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Publication list

(30th June 2025)

Papers in refereed journals

1. Henning, Th.: The Analytical Calculation of the Second Spherical Exponential Integral, *Astron. Nachr.* 303 (1982), 125-126.
2. Henning, Th.: A Model of the 10 Micrometer Silicate Feature in the Spectra of BN-like IR-Point Sources, *Astron. Nachr.* 303 (1982), 117-124.
3. Henning, Th., Gürtler, J., Dorschner, J.: Observationally-Based Infrared Efficiencies and Planck Means for Circumstellar Dust Grains, *Astr. Space Sci.* 94 (1983), 333-349.
4. Henning, Th.: The Nature of the 10 and 20 Micrometer Features in Circumstellar Dust Shells, *Astr. Space Sci.* 97 (1983), 405-419.
5. Henning, Th., Friedemann, C., Gürtler, J., Dorschner, J.: A Catalogue of Extremely Young Massive and Compact Infrared Objects, *Astron. Nachr.* 305 (1984), 67-78.
6. Henning, Th.: Parameters of Very Young and Massive Stars with Dust Shells, *Astr. Space Sci.* 114 (1985), 401-411.
7. Gürtler, J., Henning, Th., Dorschner, J., Friedemann, C.: On the Properties of Very Young Massive Infrared Sources, *Astron. Nachr.* 306 (1985), 311-327.
8. Henning, Th., Svatos, J.: Stability of Amorphous Circumstellar Silicate Grains, *Astron. Nachr.* 307 (1986), 49-52.
9. Henning, Th.: Mass Loss from Very Young Massive Stars, *Astron. Nachr.* 307 (1986), 119-127.
10. Dorschner, J., Friedemann, C., Gürtler, J., Henning, Th., Wagner, H.: Amorphous Bronzite – A Silicate of Astronomical Importance, *MNRAS* 218 (1986), 37-40.
11. Henning, Th., Gürtler, J.: BN Objects – A Class of Very Young and Massive Stars, *Astr. Space Sci.* 128 (1986), 199-216.
12. Henning, Th., Stecklum, B.: Self-Regulated Star Formation and the Evolution of Stellar Systems, *Astr. Space Sci.* 128 (1986), 237-252.
13. Dorschner, J., Henning, Th.: Experimental Investigation of Astronomically Important Interstellar Silicates, *Astr. Space Sci.* 128 (1986), 47-69.

14. Gürtler, J., Henning, Th.: Circumstellar Dust Shells around Very Young and Massive Stars, *Astr. Space Sci.* 128 (1986), 163-177.
15. Dorschner, J., Friedemann, C., Guertler, J., Henning, Th.: Optical Properties of Glassy Bronzite and the Interstellar Silicate Bands, *Astron. Astrophys.* 198 (1988), 223-232.
16. Henning, Th., Weidlich, U.: Temperature of Cometary Dust, *Earth Moon and Planets* 41 (1988), 197-200.
17. Dorschner, J., Guertler, J., Henning, Th., Wagner, H.: Pyroxene Glasses – Candidates for the Interstellar Silicate Dust Component, *Astron. Nachr.* 310 (1989), 303-309.
18. Henning, Th.: The Influence of Molecular Outflows from Young Stellar Objects on Molecular Clouds, *Astron. Nachr.* 310 (1989), 363-366.
19. Henning, Th., Pfau, W., Altenhoff, W.J.: Infrared and Radio Emission from Very Young and Massive Stellar Objects, *Astron. Astrophys.* 227 (1990), 542-552.
20. Chini, R., Henning, Th., Pfau, W.: Submillimetre/Millimetre Observations of AFGL 490, *Astron. Astrophys.* 247 (1991), 157-162.
21. Gürtler, J., Henning, Th., Krügel, E., Chini, R.: Dust Continuum Radiation from Luminous Young Stellar Objects, *Astron. Astrophys.* 252 (1991), 801-811.
22. Henning, Th., Cesaroni, R., Walmsley, M., Pfau, W.: Maser Search towards Young Stellar Objects, *Astron. Astrophys. Suppl. Ser.* 93 (1992), 525-538.
23. Henning, Th., Chini, R., Pfau, W.: Submm/mm Observations of the Monoceros R2 Cloud Core, *Astron. Astrophys.* 263 (1992), 285-291.
24. Ossenkopf, V., Henning, Th., Mathis, J.S.: Constraints on Cosmic Silicates, *Astron. Astrophys.* 261 (1992), 567-578.
25. Preibisch, Th., Ossenkopf, V., Yorke, H.W., Henning, Th.: The Influence of Ice-Coated Grains on Protostellar Spectra, *Astron. Astrophys.* 279 (1993), 577-588.
26. Henning, Th., Pfau, W., Zinnecker, H., Prusti, T.: A 1.3 mm Survey for Circumstellar Dust around Young Chamaeleon Objects, *Astron. Astrophys.* 276 (1993), 126-138.
27. Henning, Th., Stognienko, R.: Porous Grains and Polarization of Light: The Silicate Features, *Astron. Astrophys.* 280 (1993), 609-616.
28. Begemann, B., Dorschner, J., Henning, Th., Mutschke, H., Thamm, E.: A Laboratory Approach to the Interstellar Sulfide Dust Problem, *Astrophys. J.* 423 (1994), L71-L74.
29. Fischer, O., Henning, Th., Yorke, H.W.: Simulation of Polarization Maps. I. Protostellar Envelopes, *Astron. Astrophys.* 284 (1994), 187-209.

30. Henning, Th., Launhardt, R., Steinacker, J., Thamm, E.: Cold Dust around Southern Herbig Ae/Be Stars, *Astron. Astrophys.* 291 (1994), 546-556.
31. Henning, Th., Martin, K., Reimann, H.-J., Launhardt, R., Leisawitz, D., Zinnecker, H.: Multi-wavelength Study of NGC 281 A, *Astron. Astrophys.* 288 (1994), 282-292.
32. Jäger, C., Mutschke, H., Begemann, B., Dorschner, J., Henning, Th.: Steps toward Interstellar Silicate Mineralogy. I. Laboratory Results of a Silicate Glass of Mean Cosmic Composition, *Astron. Astrophys.* 292 (1994), 641-655.
33. Mutschke, H., Begemann, B., Dorschner, J., Henning, Th.: Infrared Data of Sulphides of Interstellar Dust Importance, *Infrared Physics & Technology* 35 (1994), 361-374.
34. Ossenkopf, V., Henning, Th.: Dust Opacities for Protostellar Cores, *Astron. Astrophys.* 291 (1994), 943-959.
35. Stecklum, B., Henning, Th., Eckart, A., Hoffmann, R.: NIR High-resolution Imaging of Young Stars, *Infrared Physics & Technology* 35 (1994), 487-492.
36. Thamm, E., Steinacker, J., Henning, Th.: Ambiguities of Parametrized Dust Disk Models for Young Stellar Objects, *Astron. Astrophys.* 287 (1994), 493-502.
37. Dorschner, J., Begemann, B., Henning, Th., Jäger, C., Mutschke, H.: Steps toward Interstellar Silicate Mineralogy. II. Study of Mg-Fe-Silicate Glasses of Variable Composition, *Astron. Astrophys.* 300 (1995), 503-520.
38. Henning, Th., Sablotny, R.: Coagulation of Grains and Gas-Grain Interactions, *Adv. Space Res.* 16 (1995), (2)17-(2)20.
39. Henning, Th., Begemann, B., Mutschke, H., Dorschner, J.: Optical Properties of Oxide Dust Grains, *Astron. Astrophys. Suppl. Ser.* 112 (1995), 143-149.
40. Lenzuni, P., Gail, H.-P., Henning, Th.: Dust Evaporation in Protostellar Cores, *Astrophys. J.* 447 (1995), 848-862.
41. Mutschke, H., Dorschner, J., Henning, Th., Jäger, C., Ott, U.: Facts and Artefacts in Interstellar Diamond Spectra, *Astrophys. J.* 454 (1995), L157-L160.
42. Sablotny, R., Kempf, S., Blum, J., Henning, Th.: Coagulation Simulations for Interstellar Dust Grains Using an N-particle Code, *Adv. Space Res.* 15 (1995), (10)55 - (10)58.
43. Stecklum, B., Eckart, A., Henning, Th., Löwe, M.: The Companion of HR 5999 in the Near Infrared, *Astron. Astrophys.* 296 (1995), 463-466.
44. Stecklum, B., Henning, Th., Eckart, A., Howell, R.R., Hoare, M.G.: The Discovery of a Jetlike Feature from the Massive Star Herschel 36, *Astrophys. J.* 445 (1995), L153-L156.
45. Stognienko, R., Henning, Th., Ossenkopf, V.: Optical Properties of Coagulated Particles, *Astron. Astrophys.* 296 (1995), 797-809.

46. Ageorges, N., Fischer, O., Stecklum, B., Eckart, A., Henning, Th.: The Chamaeleon Infrared Nebula: A Polarization Study with High Angular Resolution, *Astrophys. J.* 463 (1996), L101-L104.
47. Begemann, B., Dorschner, J., Henning, Th., Mutschke, H.: Optical Properties of Glassy SiS₂ and the 21- μ m Feature, *Astrophys. J.* 464 (1996), L195-L198.
48. Blum, J., Wurm, G., Kempf, S., Henning, Th.: The Brownian Motion of Dust Particles in the Solar Nebula – An Experimental Approach to the Problem of Pre-planetary Dust Aggregation, *Icarus* 124 (1996), 441-451.
49. Chan, J.S., Henning, Th., Schreyer, K.: A Catalogue of Massive Young Stellar Objects, *Astron. Astrophys. Suppl. Ser.* 115 (1996), 285-294.
50. Fischer, O., Henning, Th., Yorke, H.W.: Simulation of Polarization Maps. II. The Circumstellar Environment of Pre-main Sequence Objects, *Astron. Astrophys.* 308 (1996), 863-885.
51. Gürtler, J., Kömpe, C., Henning, Th.: Observing and Modelling Envelopes of Post-AGB Stars, *Astron. Astrophys.* 305 (1996), 878-886.
52. Gürtler, J., Henning, Th., Kömpe, C., Pfau, W., Krätschmer, W., Lemke, D.: Detection of an Absorption Feature at the Position of the 4.27- μ m Band of Solid CO₂, *Astron. Astrophys.* 315 (1996), L189-L192.
53. Henning, Th., Stognienko, R.: Dust Opacities for Protoplanetary Accretion Disks – Influence of Dust Aggregates, *Astron. Astrophys.* 311 (1996), 291-303.
54. Henning, Th., Chan, S.J., Assendorp, R.: The Nature of Objects with a 21 μ m Feature, *Astron. Astrophys.* 312 (1996), 511-520.
55. Kozasa, T., Dorschner, J., Henning, Th., Stognienko, R.: Formation of SiC Grains and the 11.3 μ m Feature in Circumstellar Envelopes of Carbon Stars, *Astron. Astrophys.* 307 (1996), 551-560.
56. Michel, B., Henning, Th., Stognienko, R., Rouleau, F.: Extinction Properties of Dust Grains: A New Computational Technique, *Astrophys. J.* 468 (1996), 834-841.
57. Schnaiter, M., Mutschke, H., Henning, Th., Lindackers, D., Strecker, M., Roth, P.: Ultraviolet Spectroscopy of Matrix-Isolated Amorphous Carbon Particles, *Astrophys. J.* 464 (1996), L187-L190.
58. Schreyer, K., Henning, Th., Kömpe, C., Harjunpää, P.: NH₃ and HCO⁺ towards Luminous IRAS Sources, *Astron. Astrophys.* 306 (1996), 267-277.
59. Begemann, B., Dorschner, J., Henning, Th., Mutschke, H., Gürtler, J., Kömpe, C., Nass, R.: Aluminum Oxide and the Opacity of Oxygen-rich Circumstellar Dust in the 12-17- μ m Range, *Astrophys. J.* 476 (1997), 199-208.
60. Menshchikov, A.B., Henning, Th.: Radiative Transfer in Circumstellar Disks, *Astron. Astrophys.* 318 (1997), 879-907.

61. Osterloh, M., Henning, Th., Launhardt, R.: Infrared Images and Millimeter Data of Cold Southern IRAS Sources, *Astrophys. J. Suppl. Ser.* 110 (1997), 71-114.
62. Rouleau, F., Henning, Th., Stognienko, R.: Constraints on the Properties of the 2175 Å Interstellar Feature Carrier, *Astron. Astrophys.* 322 (1997), 633-645.
63. Zinchenko, I., Henning, Th., Schreyer, K.: Studies of Dense Cores in Regions of Massive Star Formation. V. Structure and Kinematics of Dense Cores from Ammonia Observations, *Astron. Astrophys. Suppl. Ser.* 124 (1997), 385-395.
64. Bell, K.R., Cassen, P., Klahr, H.H., Henning, Th.: The Structure and Appearance of Protostellar Accretion Disks: Limits on Disk Flaring, *Astrophys. J.* 486 (1997), 372-387.
65. Henning, Th., Mutschke, H.: Low-temperature Infrared Properties of Cosmic Dust Analogues, *Astron. Astrophys.* 327 (1997), 743-754.
66. Klahr, H.H., Henning, Th.: Particle-Trapping Eddies in Protoplanetary Accretion Disks, *Icarus* 128 (1997), 213-229.
67. Launhardt, R., Henning, Th.: Millimetre Dust Emission from Northern Bok Globules, *Astron. Astrophys.* 326 (1997), 329-346.
68. Launhardt, R., Ward-Thompson, D., Henning, Th.: Submillimetre Photometry of Protostellar Cores in Bok Globules, *MNRAS* 288 (1997), L45-L49.
69. Poppe, T., Blum, J., Henning, Th.: Generating a Jet of De-agglomerated Small Particles in Vacuum, *Rev. Scientific Instr.* 68 (1997), 2529-2533.
70. Schmitt, W., Henning, Th., Mucha, R.: Dust Evolution in Protoplanetary Accretion Disks, *Astron. Astrophys.* 325 (1997), 569-584.
71. Schreyer, K., Helmich, F.P., van Dishoeck, E.F., Henning, Th.: A Molecular Line and Infrared Study of NGC 2264 - IRS1, *Astron. Astrophys.* 326 (1997), 347-365.
72. Yang, L., Henning, Th., Lu, Ye, Wu, S.: A Local Instability Analysis of an Isothermal Disk with Three-dimensional Magnetic Fields, *MNRAS* 288 (1997), 965-972.
73. Manske, V., Henning, Th., Menshchikov, A.: Flared Dust Disks and the IR Emission of AGN, *Astron. Astrophys.* 331 (1998), 52-60.
74. Stecklum, B., Henning, Th., Feldt, M., Hayward, T.L., Hoare, M.G., Hofner, P., Richter, St.: The Ultracompact H II Region G 5.97-1.17 – An Evaporating Circumstellar Disk in M8, *Astron. J.* 115 (1998), 767-776.
75. Jäger, C., Mutschke, H., Henning, Th.: Optical Properties of Carbonaceous Dust Analogues, *Astron. Astrophys.* 332 (1998), 291-299.
76. Mutschke, H., Begemann, B., Dorschner, J., Gürtler, J., Gustafson, B., Henning, Th., Stognienko, R.: Steps toward Interstellar Silicate Mineralogy. III. The Role of Aluminium in Circumstellar Amorphous Silicates, *Astron. Astrophys.* 333 (1998), 188-198.

77. Henning, Th., Klein, R., Launhardt, R., Pfau, W., Lemke, D.: The Molecular Cloud Core M17-North: ISO Spectroscopy and IR/MM Continuum Mapping, *Astron. Astrophys.* 332 (1998), 1035-1043.
78. Schnaiter, M., Mutschke, H., Dorschner, J., Henning, Th., Salama, F.: Matrix-isolated Nano-sized Soot Grains as an Analogue for the 217.5 nm Feature Carrier, *Astrophys. J.* 498 (1998), 486-496.
79. Feldt, M., Henning, Th., Lagage, P.O., Manske, V., Martin, K., Stecklum, B.: The Chamaeleon Infrared Nebula Revisited – Imaging and Spectroscopy of a Young Stellar Object, *Astron. Astrophys.* 332 (1998), 849-856.
80. Henning, Th., Burkert, A., Launhardt, R., Leinert, C., Stecklum, B.: Infrared imaging and millimetre continuum mapping of Herbig Ae/Be and FU Orionis stars, *Astron. Astrophys.* 336 (1998), 565-586.
81. Henning, Th., Launhardt, R.: Millimetre Study of Star Formation in Southern Globules, *Astron. Astrophys.* 338 (1998), 223-242.
82. Hoff, W., Henning, Th., Pfau, W.: The Nature of Isolated T Tauri Stars, *Astron. Astrophys.* 336 (1998), 242-250.
83. Manske, V., Henning, Th.: Two-dimensional Radiative Transfer with Transiently Heated Particles: Methods and Applications, *Astron. Astrophys.* 337 (1998), 85-95.
84. Launhardt, R., Evans II, N.J., Wang, Y., Clemens, D.P., Henning, Th., Yun, J.L.: CS Emission from Bok Globules: Survey Results, *Astrophys. J. Suppl. Ser.* 119 (1998), 59-74.
85. Willacy, K., Klahr, H., Millar, T.J., Henning, Th.: Gas and Grain Chemistry in a Protoplanetary Disk, *Astron. Astrophys.* 338 (1998), 995-1005.
86. Jäger, C., Molster, F.J., Dorschner, J., Henning, Th., Mutschke, H., Waters, L.B.F.M.: Steps toward Interstellar Silicate Mineralogy. IV. The Crystalline Revolution, *Astron. Astrophys.* 339 (1998), 904-916.
87. Feldt, M., Stecklum, B., Henning, Th., Hayward, T.L., Lehmann, Th., Klein, R.: The Ultracompact HII Region G 45.45+0.06, A Pearl Necklace in the Sky, *Astron. Astrophys.* 339 (1998), 759-772.
88. Ábrahám, P., Leinert, C., Burkert, A., Lemke, D., Henning, Th.: Search for Cool Circumstellar Matter in the Ursae Majoris Group with ISO, *Astron. Astrophys.* 338 (1998), 91-96.
89. Henning, Th., Klein, R., Chan, J., Fitzpatrick, E.L., Siebenmorgen, R., Stecklum, B.: The Nature of the LMC Protostar N 160A-IR, *Astron. Astrophys.* 338 (1998), L51-L54.
90. Klein, R., Henning, Th., Cesarsky, D.: The Molecular Cloud Core M17-North: New ISOCAM Observations, *Astron. Astrophys.* 343 (1999), L53-L56.

91. Klahr, H.H., Henning, Th., Kley, W.: On the Azimuthal Structure of Thermal Convection in Circumstellar Disks, *Astrophys. J.* 514 (1999), 325-343.
92. Wolf, S., Henning, Th.: AGN Polarization Models, *Astron. Astrophys.* 341 (1999), 675-682.
93. Menshchikov, A.B., Henning, Th., Fischer, O.: Self-consistent Model of the Dusty Torus around HL Tau, *Astrophys. J.* 519 (1999), 257-278.
94. Andersen, A.C., Jäger, C., Mutschke, H., Braatz, A., Clément, D., Henning, Th., Jørgensen, U.G.: Mid-Infrared Spectra of Meteoritic SiC Grains, *Astron. Astrophys.* 343 (1999), 933-938.
95. Mutschke, H., Andersen, A.C., Clément, D., Henning, Th., Peiter, G.: Infrared Properties of SiC Particles, *Astron. Astrophys.* 345 (1999), 187-202.
96. Feldt, M., Stecklum, B., Henning, Th., Launhardt, R., Hayward, T.L.: High-resolution Imaging of Ultracompact HII Regions. II. G5.89-0.39 Revisited, *Astron. Astrophys.* 346 (1999), 243-259.
97. Schnaiter, M., Henning, Th., Mutschke, H., Kohn, B., Ehbrecht, M., Huisken, F.: Infrared Spectroscopy of Nano-sized Carbon Grains produced by Laser Pyrolysis of Acetylene - Analogue Materials for Interstellar Grains, *Astrophys. J.* 519 (1999), 687-696.
98. Gürtler, J., Schreyer, K., Henning, Th., Lemke, D., Pfau, W.: Infrared Spectra of Young Stars in Chamaeleon, *Astron. Astrophys.* 346 (1999), 205-210.
99. Michel, B., Henning, Th., Kreibig, U., Jäger, C.: Optical Extinction by Spherical Carbonaceous Particles, *Carbon* 37 (1999), 391-400.
100. Henning, Th., Ilin, V.B., Krivova, N.A., Michel, B., Voshchinnikov, N.V.: WWW Data Base on Optical Constants for Astronomy. *Astron. Astrophys. Suppl. Ser.* 136 (1999), 405-406.
101. Farafonov, V.G., Ilin, V.B., Henning, Th.: A New Solution of the Light Scattering Problem for Axisymmetric Particles, *J. Quant. Spectr. Rad. Transf.* 63 (1999), 205-216.
102. Szczerba, R., Henning, Th., Volk, K., Cox, P.: IRAS 04296+3429: A 21 μm Source with a Very Strong 30 μm Emission Band, *Astron. Astrophys.* 345 (1999), L39-L42.
103. Molster, F.J., Waters, L.B.F.M., Trams, N., van Winckel, H., Decin, L., van Loon, Jacco Th., Jäger, C., Henning, Th., Käufl, H.-U., de Koter, A., Bouwman, J.: The Composition and Nature of the Dust Shell Surrounding the Binary AFGL 4106, *Astron. Astrophys.* 350 (1999), 163-180.
104. Morris, P.W., Waters, L.B.F.M., Barlow, M.J., Lim, T., de Koter, A., Voors, R.H.M., Cox, P., de Graauw, Th., Henning, Th., Hony, S., Lamers, H.J.G.L.M., Mutschke, H., Trams, N.R.: Discovery of a Massive Disk in Eta Carinae, *Nature* 402 (1999), 502-504.

105. Wolf, S., Henning, Th., Stecklum, B.: Multidimensional Self-consistent Radiative Transfer Calculations Based on the Monte-Carlo-Method, *Astron. Astrophys.* 349 (1999), 839-850.
106. Voshchinnikov, N.V., Semenov, D.A., Henning, Th.: The Temperature of Non-Spherical Interstellar Grains, *Astron. Astrophys.* 349 (1999), L25-L28.
107. Manske, V., Henning, Th.: 2D Radiative Transfer with Transiently Heated Particles for the Circumstellar Environment of Herbig Ae/Be Stars, *Astron. Astrophys.* 349 (1999), 907-911.
108. Jäger, C., Henning, Th., Schlögl, R., Spillecke, O.: Spectral Properties of Carbon Black, *J. Non-Cryst. Solids* 258 (1999), 161-179.
109. Kempf, S., Pfalzner, S., Henning, Th.: N-Particle Simulation of Dust Growth: I. Growth Driven by Brownian Motion, *Icarus* 141 (1999), 388-398.
110. Ábrahám, P., Leinert, C., Burkert, A., Henning, Th., Lemke, D.: Far-infrared Photometry and Mapping of Herbig Ae/Be Stars, *Astron. Astrophys.* 354 (2000), 965-982.
111. Braatz, A., Ott, U., Henning, Th., Jäger, C., Jeschke, G.: Infrared and Electron Paramagnetic Measurements of Presolar Diamonds: Implications for Optical Features and Origin, *Meteoritics and Planet. Sci.* 35 (2000), 75-84.
112. Blum, J., Wurm, G., Kempf, S., Poppe, T., Klahr, H., Kozasa, T., Rott, M., Henning, Th., Dorschner, J., Schräpler, R., Keller, H.U., Markiewicz, W.J., Mann, I., Gustafson, B.A.S., Giovane, F., Neuhaus, D., Fechtig, H., Grün, E., Feuerbacher, B., Kochan, H., Ratke, L., El Goresy, A., Morfill, G., Weidenschilling, S.J., Schwehm, G., Metzler, K., Ip, W.-H.: On Growth and Form of Planetary Seedlings, *Phys. Rev. Lett.* 85 (2000), 2426-2429.
113. Burkert, A., Stecklum, B., Henning, Th., Fischer, O.: Multi-wavelength Imaging of the Peculiar Vela Molecular Ridge Nebula BBW 192E, *Astron. Astrophys.* 353 (2000), 153-162.
114. Henning, Th., Schreyer, K., Launhardt, R., Burkert, B.: Massive Young Stellar Objects with Molecular Outflows, *Astron. Astrophys.* 353 (2000), 211-226.
115. Fabian, D., Jäger, C., Henning, Th., Dorschner, J., Mutschke, H.: Steps toward Interstellar Silicate Mineralogy V. Thermal Evolution of Amorphous Magnesium Silicates and Silica, *Astron. Astrophys.* 364 (2000), 282-292.
116. Poppe, T., Blum, J., Henning, Th.: Analogous Experiments on the Stickiness of Micron-sized Preplanetary Dust, *Astrophys. J.* 533 (2000), 454-471.
117. Poppe, T., Blum, J., Henning, Th.: Experiments on Collisional Grain Charging of Micron-sized Preplanetary Dust, *Astrophys. J.* 533 (2000), 472-480.

118. Voshchinnikov, N.V., Ilin, V.B., Henning, Th., Michel, B.: Extinction and Polarization of Radiation by Absorbing Spheroids: Shape/Size Effects and Benchmark Results, *J. Quant. Spectr. Rad. Transf.* 65 (2000), 877-893.
119. Wolf, S., Henning, Th.: Accelerated Self-consistent Radiative Transfer Based on the Monte Carlo Method, *Comp. Phys. Comm.* 132 (2000), 166-188.
120. Henning, Th., Lapinov, A., Schreyer, K., Stecklum, B., Zinchenko, I.: IRAS 12326-6245: Luminous Very Young Stellar Objects with a Massive Molecular Outflow, *Astron. Astrophys.* 364 (2000), 613-624.
121. Kley, W., D'Angelo, G., Henning, Th.: Three-dimensional Simulations of a Planet Embedded in a Protoplanetary Disk, *Astrophys. J.* 547 (2001), 457-464.
122. Hofner, P., Wiesemeyer, H., Henning, Th.: A High Velocity Outflow from the G 9.62+0.19 Star-forming Region, *Astrophys. J.* 549 (2001), 425-432.
123. Henning, Th., Feldt, M., Stecklum, B., Klein, R.: High-resolution Imaging of Ultra-compact HII Regions - III. G 11.11-0.40 and G 341.21-0.21, *Astron. Astrophys.* 370 (2001), 100-111.
124. Steinacker, A., Henning, Th.: Global 3D-MHD Simulations of Accretion Discs and the Surrounding Magnetosphere, *Astrophys. J.* 554 (2001), 514-527.
125. Fabian, D., Henning, Th., Jäger, C., Mutschke, H., Dorschner, J., Wehrhan, O.: Steps Toward Interstellar Silicate Mineralogy VI. Dependence of Crystalline Olivine IR Spectra on Iron Content and Particle Shape, *Astron. Astrophys.* 378 (2001), 228-238.
126. Palomba, E., Poppe, T., Colangeli, L., Palumbo, P., Perrin, J. M., Bussoletti, E., Henning, Th.: The Sticking Efficiency of Quartz Crystals for Cosmic Sub-Micron Grain Collection, *Planetary and Space Science* 49 (2001), 919-926.
127. Grady, C.A., Polomski, E.F., Henning, Th. et al.: The Disk and Environment of the Herbig Be Star HD 100546, *Astron. J.* 122 (2001), 3396-3406.
128. Henning, Th., Wolf, S., Launhardt, R., Waters, R.: Measurements of the Magnetic Field Geometry and Strength in Bok Globules, *Astrophys. J.* 561 (2001), 871-879.
129. Kemper, F., Jäger, C., Waters, L.B.F.M., Henning, Th., Molster, F.J., Barlow, M.J., Lim, T., de Koter, A.: Detection of Carbonates in Dust Shells around Evolved Stars, *Nature* 415 (2002), 295-297.
130. Poppe, T., Blum, J., Henning, Th.: Experiments on Dust Aggregation and their Relevance to Space Missions, *Adv. Space Res.* 29 (2002), 763-771.
131. Wolf, S., Voshchinnikov, N.V., Henning, Th.: Multiple Scattering of Polarized Radiation by Non-Spherical Grains: First Results, *Astron. Astrophys.* 385 (2002), 365-376.

132. Wolf, S., Gueth, F., Henning, Th., Kley, W.: Detecting Planets in Protoplanetary Disks: A Prospective Study, *Astrophys. J.* 566 (2002), L97-L99.
133. Markwick, A.J., Ilgner M., Millar, T.J., Henning, Th.: Molecular Distributions in the Inner Regions of Protostellar Disks, *Astron. Astrophys.* 385 (2002), 632-646.
134. D'Angelo, G., Henning, Th., Kley, W.: Nested grid Calculations of Disk-Planet Interaction, *Astron. Astrophys.* 385 (2002), 647-670.
135. Keller, L.P., Hony, S., Bradley, J.P., Molster, F.J., Waters, L.B.F.M., Bouwman, J., de Koter, A., Brownlee, D.E., Flynn, G.J., Henning, Th., Mutschke, H.: Identification of Iron Sulfide Grains in Protoplanetary Disks, *Nature*, 417 (2002), 148-150.
136. Gürtler, J., Klaas, U., Henning, Th., Ábrahám, P., Lemke, D., Schreyer, K., Lehmann, K.: Detection of Solid Ammonia, Methanol and Methane with ISOPHOT, *Astron. Astrophys.* 390 (2002), 1075-1087.
137. Apai, D., Pascucci, I., Henning, Th., Sterzik, M.F., Klein, R., Semenov, D., Günther, E., Stecklum, B.: Probing Dust around Brown Dwarfs: The Naked LP944-20 and the Disk of Chamaeleon H α 2. *Astrophys. J.* 573 (2002), L115-L117.
138. Stecklum, B., Brandl, B., Henning, Th., Pascucci, I., Hayward, T.L., Wilson, J.: High-resolution Mid-Infrared Imaging of W3(OH). *Astron. Astrophys.* 392 (2002), 1025-1029.
139. Schreyer, K., Henning, Th., van der Tak, F.F.S., Boonman, A.M.S., van Dishoek, E.F.: The Young Intermediate-mass Stellar Object AFGL 490-A Disk Surrounded by a Cold Envelope. *Astron. Astrophys.* 394 (2002), 561-583.
140. Quinten, M., Kreibig, U., Henning, Th., Mutschke, H.: Wavelength-dependent Optical Extinction of Carbonaceous Particles in Atmospheric Aerosols and Interstellar Dust, *Applied Optics* 41 (2002), 7102-7113.
141. Steinacker, J., Bacmann, A., Henning, Th.: Application of Adaptive Multi-Frequency Grids to Three-Dimensional Astrophysical Radiative Transfer, *J. Quant. Spectr. Rad. Transf.* 75 (2002), 765-786.
142. Schrempel, F., Jäger, C., Fabian, D., Dorschner, J., Henning, Th., Wesch, W.: Study of the Amorphization Process of MgSiO₂ by Ion Irradiation as a Form of Dust Processing in Astrophysical Environments. *NIM B* 191 (2002), 411-415.
143. Jäger, C., Fabian, D., Schrempel, F., Dorschner, J., Henning, Th., Wesch, W.: Structural Processing of Enstatite by Ion Bombardement, *Astron. Astrophys.* 401 (2003), 57-65.
144. Steinacker, J., Henning, Th.: Detection of Gaps in Circumstellar Disks, *Astrophys. J.* 583 (2003), L35-L38.
145. D'Angelo, G., Kley, W., Henning, Th.: Orbital Migration and Mass Accretion of Protoplanets in 3D Global Computations with Nested Grids, *Astrophys. J.* 586 (2003), 540-561.

146. Steinacker, J., Henning, Th., Bacmann, A., Semenov, D.: 3D Continuum Radiative Transfer in Complex Dust Configurations around Young Stellar Objects and Active Galactic Nuclei. I. Computational Methods and Capabilities, *Astron. Astrophys.* 401 (2003), 405-418.
147. Wiebe, D., Semenov, D., Henning, Th.: Reduction of Chemical Networks. I. The Case of Molecular Clouds, *Astron. Astrophys.* 399 (2003), 197-210.
148. Küker, M., Henning, Th., Rüdiger, G.: Magnetic Star-Disk Coupling in Classical T Tauri Systems, *Astrophys. J.* 589 (2003), 397-409.
149. Pascucci, I., Apai, D., Henning, Th., Dullemond, C.P.: The First Detailed Look at a Brown Dwarf Disk, *Astrophys. J.* 590 (2003), L111-L114.
150. Wolf, S., Launhardt, R., Henning, Th.: Magnetic Field Evolution in Bok Globules, *Astrophys. J.* 592 (2003), 233-244.
151. Jäger, C., Il'in, V., Henning, Th., Mutschke, H., Fabian, D., Semenov, D.A., Voshchinnikov, N.V.: A Database of Optical Constants of Cosmic Dust Analogs, *J. Quant. Spectr. Rad. Transf.* 79-80 (2003), 765-774.
152. Klein, R., Apai, D., Pascucci, I., Henning, Th., Waters, L.B.F.M.: First Detection of Millimeter Dust Emission from Brown Dwarf Disks, *Astrophys. J.* 593 (2003), L57-L60.
153. Clément, D., Mutschke, H., Klein, R., Henning, Th.: New Laboratory Spectra of Isolated β -SiC Nanoparticles: Comparison with ISO Observations, *Astrophys. J.* 594 (2003), 642-650.
154. Jäger, C., Dorschner, J., Mutschke, H., Posch, Th., Henning, Th.: Steps towards Interstellar Silicate Mineralogy. VII. Spectral Properties and Crystallization Behaviour of Magnesium Silicates Produced by the Sol-Gel-Method, *Astron. Astrophys.* 408 (2003), 193-204.
155. Semenov, D., Henning, Th., Helling, M.Ch., Ilgner, M., Sedlmayr, E.: Rosseland and Planck Mean Opacities for Protoplanetary Discs, *Astron. Astrophys.* 410 (2003), 611-621.
156. Posch, T., Kerschbaum, F., Fabian, D., Mutschke, H., Dorschner, J., Tamanai, A., Henning, Th.: Infrared Properties of Solid Titanium Oxides: Exploring Potential Primary Dust Condensates, *Astrophys. J. Suppl. Ser.* 149 (2003), 437-445.
157. D'Angelo, G., Henning, Th., Kley, W.: Thermohydrodynamics of Circumstellar Disks with High-mass Planets, *Astrophys. J.* 599 (2003), 548-576.
158. Schreyer, K., Stecklum, B., Linz, H., Henning, Th.: NGC 2264 IRS1: The Central Engine and its Cavity, *Astrophys. J.* 599 (2003), 335-341.
159. Feldt, M., Puga, E., Lenzen, R., Henning, Th., Brandner, W., Stecklum, B., Lagrange, A.M., Gendron, E., Rousset, G.: Discovery of a Candidate for the Central Star of the Ultracompact HII Region G5.89-0.39, *Astrophys. J.* 599 (2003), L91-L94.

160. Forbrich, J., Schreyer, K., Posselt, B., Klein, R., Henning, Th.: An Extremely Young Massive Stellar Object near IRAS 07029-1215, *Astrophys. J.* 602 (2004), 843-849.
161. Apai, D., Pascucci, I., Brandner, W., Henning, Th., Lenzen, R., Potter, D.E., Lagrange, A.-M., Rousset, G.: NACO Polarimetric Differential Imaging of TW Hya: A Sharp Look at the Closest T Tauri Disk, *Astron. Astrophys.* 415 (2004), 671-676.
162. Ilgner, M., Henning, Th., Markwick, A.J., Millar, T.J.: Transport Processes and Chemical Evolution in Steady Accretion Disk Flows, *Astron. Astrophys.* 415 (2004), 643-659.
163. Wang, H., Apai, D., Henning, Th., Pascucci, I.: FU Orionis: A Binary Star? *Astrophys. J.* 601 (2004), L83-L86.
164. Schütz, O., Nielbock, M., Wolf, S., Henning, Th., Els, S.: SIMBA's view of the ϵ Eri disk, *Astron. Astrophys.* 414 (2004), L9-L12.
165. Sukhorukov, O., Staicu, A., Diegel, E., Rouillé, G., Henning, Th., Huisken, F.: $D_2 \leftarrow D_0$ Transition of the Anthracene Cation Observed by Cavity Ring-Down Absorption Spectroscopy in a Supersonic Jet, *Chem. Phys. Letters* 386 (2004), 259-264.
166. Rouillé, G., Krasnokutski, S., Huisken, F., Henning, Th., Sukhorukov, O., Staicu, A.: UV Spectroscopy of Pyrene in a Supersonic Jet and in Liquid Helium droplets, *J. Chem. Phys.* 120 (2004), 6028-6034.
167. Semenov, D., Wiebe, D., Henning, Th.: Reduction of Chemical Networks. II. Analysis of the Fractional Ionisation of Protoplanetary Discs, *Astron. Astrophys.* 417 (2004), 93-106.
168. Pascucci, I., Wolf, S., Steinacker, J., Dullemond, C.P., Henning, Th., Niccolini, G., Woitke, P., Lopez, B.: The 2D Continuum Radiative Transfer Problem. Benchmark Results for Disk Configurations, *Astron. Astrophys.* 417 (2004), 793-805.
169. Grady, C.A., Woodgate, B., Torres, C.A.O., Henning, Th., Apai, D., Rodmann, J., Wang, H., Stecklum, B., Linz, H., Williger, G.M., Brown, A., Wilkinson, E., Harper, G.M., Herczeg, G.J., Danks, A., Vieira, G.L., Malumuth, E., Collins, N.R., Hill, R.S.: The Environment of the Optically Brightest Herbig Ae Star HD 104237, *Astrophys. J.* 608 (2004), 809-830.
170. Leinert, Ch., van Boekel, R., Waters, L.B.F.M., Chesneau, O., Malbet, F., Köhler, R., Jaffe, W., Ratzka, Th., Dutrey, A., Preibisch, Th., Graser, U., Bakker, E., Chagnon, G., Cotton, W.D., Dominik, C., Dullemond, C.P., Glazenborg-Kluttig, A.W., Glindemann, A., Henning, Th., Hofmann, K.-H., de Jong, J., Lenzen, R., Ligi, S., Lopez, B., Meisner, J., Morel, S., Paresce, F., Pel, J.-W., Percheron, I., Perrin, G., Przygodda, F., Richichi, A., Schöller, M., Schuller, P., Stecklum, B., van den Ancker, M.E., von der Lühe, O., Weigelt, G.: Mid-Infrared Sizes of Circumstellar Disks around Herbig Ae/Be Stars Measured with MIDI on the VLTI, *Astron. Astrophys.* 423 (2004), 537-548.

171. Mutschke, H., Andersen, A.C., Jäger, C., Henning, Th., Braatz, A.: Optical Data of Meteoritic Nano-Diamonds from Far-Ultraviolet to Far-Infrared Wavelengths, *Astron. Astrophys.* 423 (2004), 983-993.
172. Schütz, O., Böhnhardt, H., Pantin, E., Sterzik, M., Els, S., Hahn, J., Henning, Th.: A Search for Circumstellar Dust Disks with ADONIS, *Astron. Astrophys.* 424 (2004), 613-618.
173. Meyer, M.R., Hillenbrand, L.A., Backman, D.E., Beckwith, S.V.W., Bouwman, J., Brooke, T.Y., Carpenter, J.M., Cohen, M., Gorti, U., Henning, Th., Hines, D.C., Hollenbach, D., Kim, J.S., Lunine, J., Malhotra, R., Mamajek, E.E., Metchev, S., Moro-Martin, A., Morris, P., Najita, J., Padgett, D.L., Rodmann, J., Silverstone, M.D., Soderblom, D.R., Stauffer, J.R., Stobie, E.B., Strom, S.E., Watson, D.M., Weidenschilling, S.J., Wolf, S., Young, E., Engelbracht, C.W., Gordon, K.D., Misselt, K., Morrison, J., Muzerolle, J., Su, K.: The Formation and Evolution of Planetary Systems: First Results from a Spitzer Legacy Science Program, *Astrophys. J. Suppl. Ser.* 154 (2004), 422-427.
174. Puga, E., Alvarez, C., Feldt, M., Henning, Th., Wolf, S.: AO-assisted Observations of G61.48+0.09: Massive Star Formation at High Resolution, *Astron. Astrophys.* 425 (2004), 543-552.
175. Pascucci, I., Apai, D., Henning, Th., Stecklum, B., Brandl, B.: The Hot Core-Ultracompact HII Connection in G10.47+0.03, *Astron. Astrophys.* 426 (2004), 523-534.
176. Prieto, A.M., Meisenheimer, K., Marco, O., Reunanen, J., Contini, M., Clenet, Y., Davies, R.I., Gratadour, D., Henning, Th., Klaas, U., Kotilainen, J., Leinert, C., Lutz, D., Rouan, D., Thatte, N.: Unveiling the Central pc Region of AGN: The Circinus Nucleus in the Near-IR with the VLT, *Astrophys. J.* 614 (2004), 135-141.
177. Alvarez, C., Feldt, M., Henning, Th., Puga, E., Brandner, W., Stecklum, B.: Near-IR Sub-Arcsecond Observations of Ultra-Compact H II Regions, *Astrophys. J. Suppl. Ser.* 155 (2004), 123-148.
178. Schräpler, R., Henning, Th.: Dust Diffusion, Sedimentation, and Gravitational Instabilities in Protoplanetary Disks, *Astrophys. J.* 614 (2004), 960-978.
179. Apai, D., Pascucci, I., Sterzik, M.F., van der Blik, N., Bouwman, J., Dullemond, C.P., Henning, Th.: Grain Growth and Dust Settling in a Brown Dwarf Disk: Gemini/T-ReCs Observations of CFHT-BD-Tau4, *Astron. Astrophys.* 426 (2004), L53-L57.
180. Steinacker, J., Lang, B., Burkert, A., Bacmann, A., Henning, Th.: Three-Dimensional Continuum Radiative Transfer Images of a Molecular Cloud Core Evolution, *Astrophys. J.* 615 (2004), L157-L160.
181. Staicu, A., Rouillé, G., Sukhorukov, O., Henning, Th., Huisken, F.: Cavity Ring-Down Laser Absorption Spectroscopy of Jet-Cooled Anthracene, *Mol. Phys.* 20 (2004), 1777-1783.

182. van Boekel, R., Min, M., Leinert, Ch., Waters, L. B. F. M., Richichi, A., Chesneau, O., Dominik, C., Jaffe, W., Dutrey, A., Graser, U., Henning, Th., de Jong, J., Köhler, R., de Koter, A., Lopez, B., Malbet, F., Morel, S., Paresce, F., Perrin, G., Preibisch, Th., Przygodda, F., Schöller, M., Wittkowski, M.: The Building Blocks of Planets within the ‘Terrestrial’ Region of Protoplanetary Disks, *Nature* 432 (2004), 479-482.
183. Wang, H., Mundt, R., Henning, Th., Apai, D.: Optical Outflows in the R CrA Molecular Cloud, *Astrophys. J.* 617 (2004), 1191-1203.
184. Voshchinnikov, N.V., Il’in, V.B., Henning, Th.: Modelling the Optical Properties of Composite and Porous Interstellar Grains, *Astron. Astrophys.* 429 (2005), 371-381.
185. Linz, H., Stecklum, B., Henning, Th., Hofner, P., Brandl, B.: The G9.62+0.19-F Hot Molecular Core. The Infrared View on Very Young Massive Stars, *Astron. Astrophys.* 429 (2005), 903-921.
186. Carpenter, J.M., Wolf, S., Schreyer, K., Launhardt, R., Henning, Th.: Evolution of Cold Circumstellar Dust around Solar-Type Stars, *Astron. J.* 129 (2005), 1049-1062.
187. Semenov, D., Pavlyuchenko, Y., Schreyer, K., Henning, Th., Dullemond, C., Bacmann, A.: Millimeter Observations and Modeling of the AB Aurigae System, *Astrophys. J.* 621 (2005), 853-874.
188. Clément, D., Mutschke, H., Klein, R., Jäger, C., Dorschner, J., Sturm, E., Henning, Th.: Detection of Silicon Nitride Particles in Extreme Carbon Stars, *Astrophys. J.* 621 (2005), 985-990.
189. Apai, D., Tóth, L.V., Henning, Th., Vavrek, R., Kovács, Z., Lemke, D.: HST/NICMOS Observations of a Proto-Brown Dwarf Candidate, *Astron. Astrophys.* 433 (2005), L33-L36.
190. Steinacker, J., Bacmann, A., Henning, Th., Klessen, R., Stickel, M.: 3D Continuum Radiative Transfer in Complex Dust Configurations. II. 3D Structure of the Dense Molecular Cloud Core ρ Oph D, *Astron. Astrophys.* 434 (2005), 167-180.
191. Umbreit, S., Burkert, A., Henning, Th., Mikkola, S., Spurzem, R.: The Decay of Accreting Triple Systems as Brown Dwarf Formation Scenario, *Astrophys. J.* 623 (2005), 940-951.
192. Gouliermis, D., Brandner, W., Henning, Th.: The Initial Mass Function toward the Low-mass End in the Large Magellanic Cloud with Hubble Space Telescope WFPC2 Observations, *Astrophys. J.* 623 (2005), 846-859.
193. Apai, D., Linz, H., Henning, Th., Stecklum, B.: Infrared Portrait of the Star-forming Region IRAS 09002-4732, *Astron. Astrophys.* 434 (2005), 987-1003.
194. Masciadri, E., Mundt, R., Henning, Th., Alvarez, C., Barrado y Navascués, D.: A Search for Hot Massive Extrasolar Planets around Nearby Young Stars with the Adaptive Optics System NACO, *Astrophys. J.* 625 (2005), 1004-1018.

195. Carmona, A., van den Ancker, M.E., Thi, W.-F., Goto, M., Henning, Th.: Upper Limits on CO 4.7 μ m Emission from Disks around Five Herbig Ae/Be Stars, *Astron. Astrophys.* 436 (2005), 977-982.
196. Wang, H., Stecklum, B., Henning, Th.: New Herbig-Haro Objects in the L1617 and L1646 Dark Clouds, *Astron. Astrophys.* 437 (2005), 169-175.
197. Schartmann, M., Meisenheimer, K., Camenzind, M., Wolf, S., Henning, Th.: Towards a Physical Model of Dust Tori in Active Galactic Nuclei. Radiative Transfer Calculations for a Hydrostatic Torus Model, *Astron. Astrophys.* 437 (2005), 861-881.
198. Pfalzner, S., Umbreit, S., Henning, Th.: Disk-Disk Encounters between Low-mass Protoplanetary Accretion Discs, *Astrophys. J.* 629 (2005), 526-534.
199. Kim, J.S., Hines, D.C., Backman, D.E., Hillenbrand, L.A., Meyer, M.R., Rodmann, J., Moro-Martin, A., Carpenter, J.M., Silverstone, M.D., Bouwman, J., Mamajek, E.E., Wolf, S., Malhotra, R., Pascucci, I., Najita, J., Padgett, D.L., Henning, Th., Brooke, T.Y., Cohen, M., Strom, S.E., Stobie, E.B., Engelbracht, C.W., Gordon, K.D., Misselt, K., Morrison, J.E., Muzerolle, J., Su, K.Y.L.: Formation and Evolution of Planetary Systems: Cold Outer Disks Associated with Sun-like Stars, *Astrophys. J.* 632 (2005), 659-669.
200. Boudet, N., Mutschke, H., Nayral, C., Jäger, C., Bernard, J.-Ph., Henning, Th., Meny, C.: Temperature Dependence of the Submillimeter Absorption Coefficient of Amorphous Silicate Grains, *Astrophys. J.* 633 (2005), 272-281.
201. Apai, D., Pascucci, I., Bouwman, J., Natta, A., Henning, Th., Dullemond, C.P.: The Onset of Planet Formation in Brown Dwarf Disks, *Science* 310 (2005), 834-836.
202. Klein, R., Posselt, B., Schreyer, K., Forbrich, J., Henning, Th.: A Millimeter Continuum Survey for Massive Protoclusters in the Outer Galaxy, *Astrophys. J. Suppl. Ser.* 161 (2005), 361-393.
203. Voshchinnikov, N.V., Il'in, V.B., Henning, Th., Dubkova, D.N.: Dust Extinction and Absorption: The Challenge of Porous Grains, *Astron. Astrophys.* 445 (2006), 167-177.
204. Chen, X.P., Henning, Th., Boekel, R., Grady, C.A.: VLT/NACO Adaptive Optics Imaging of the Herbig Ae Star HD 100453, *Astron. Astrophys.* 445 (2006), 331-335.
205. Gouliermis, D., Brandner, W., Henning, Th.: The Low-mass Pre-Main-Sequence Population of the Stellar Association LH52 in the Large Magellanic Cloud Discovered with Hubble Space Telescope WFPC2 Observations, *Astrophys. J.* 636 (2006), L133-L136.
206. Johansen, A., Klahr, H., Henning, Th.: Gravoturbulent Formation of Planetesimals, *Astrophys. J.* 636 (2006), 1121-1134.
207. Rodmann, J., Henning, Th., Chandler, C.J., Mundy, L.G., Wilner, D.J.: Large Dust Particles in Disks around T Tauri Stars, *Astron. Astrophys.* 446 (2006), 211-221.

208. Schreyer, K., Semenov, D., Henning, Th., Forbrich, J.: A Rotating Disk around the Very Young Massive Star AFGL 490, *Astrophys. J.* 637 (2006), L129-L132.
209. Hines, D.C., Backman, D.E., Bouwman, J., Hillenbrand, L.A., Carpenter, J.M., Meyer, M.R., Kim, J.S., Silverstone, M.D., Rodmann, J., Wolf, S., Mamajek, E.E., Brooke, T.Y., Padgett, D.L., Henning, Th., Moro-Martin, A., Stobie, E., Gordon, K.D., Morrison, J.E., Muzerolle, J., Su, K.Y.L.: The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039, *Astrophys. J.* 638 (2006), 1070-1079.
210. Silverstone, M.D., Meyer, M.R., Mamajek, E.E., Hines, D. C., Hillenbrand, L.A., Najita, J., Pascucci, I., Bouwman, J., Kim, J.S., Carpenter, J.M., Stauffer, J.R., Backman, D.E., Moro-Martin, A., Henning, Th., Wolf, S., Brooke, T.Y., Padgett, D.L.: Formation and Evolution of Planetary Systems (FEPS): Primordial Warm Dust Evolution from 3-30 Myr around Sun-Like Stars, *Astrophys. J.* 639 (2006), 1138-1146.
211. Koike, C., Mutschke, H., Suto, H., Naoi, T., Chihara, H., Henning, Th., Jäger, C., Tsuchiyama, A., Dorschner, J., Okuda, H.: Temperature Effects on the Mid-and Far-infrared Spectra of Olivine Particles, *Astron. Astrophys.* 449 (2006), 583-596.
212. Ábrahám, P., Mosoni, L., Henning, Th., Kóspál, Á., Leinert, Ch., Quanz, S.P., Ratzka, Th.: First AU-scale Observations of V1647 Orionis with VLTI/MIDI, *Astron. Astrophys.* 449 (2006), L13-L16.
213. Gouliermis, D., Brandner, W., Henning, Th.: The Low-mass Initial Mass Function of the Field Population in the Large Magellanic Cloud with Hubble Space Telescope WFPC2 Observations, *Astrophys. J.* 641 (2006), 838-851.
214. Puga, E., Feldt, M., Alvarez, C., Henning, Th., Apai, D., Le Coarer, E., Chalabaev, A., Stecklum, B.: Outflows, Disks and Stellar Content in a Region of High-mass Star Formation: G5.89-0.39 with Adaptive Optics, *Astrophys. J.* 641 (2006), 373-382.
215. Wang, H., Henning, Th.: A Search for Optical Outflows from Brown Dwarfs in the Chamaeleon I Molecular Cloud, *Astrophys. J.* 643 (2006), 985-994.
216. Johansen, A., Henning, Th., Klahr, H.: Dust Sedimentation and Self-Sustained Kelvin-Helmholtz Turbulence in Protoplanetary Disk Mid-Planes, *Astrophys. J.* 643 (2006), 1219-1232.
217. Moór, A., Ábrahám, P., Derekas, A., Kiss, Cs., Kiss, L.L., Apai, D., Grady, C., Henning, Th.: Nearby Debris Disk Systems with High Fractional Luminosity Reconsidered, *Astrophys. J.* 644 (2006), 525-542.
218. Janson, M., Brandner, W., Henning, Th., Zinnecker, H.: Early ComeOn+ Adaptive Optics Observation of GQ Lup and its Substellar Companion, *Astron. Astrophys.* 453 (2006), 609-614.
219. Steinacker, J., Bacmann, A., Henning, Th.: Ray-Tracing for Complex Astrophysical High-Opacity Structures, *Astrophys. J.* 645 (2006), 920-927.

220. Pavlyuchenkov, Y., Wiebe, D., Launhardt, R., Henning, Th.: CB17: Inferring the Dynamical History of a Prestellar Core with Chemo-Dynamical Models, *Astrophys. J.* 645 (2006), 1212-1226.
221. Berton, A., Gratton, R.G., Feldt, M., Henning, Th., Desidera, S., Turatto, M., Schmid, H.M., Waters, R.: Detecting Extrasolar Planets with Integral Field Spectroscopy, *PASP* 118 (2006), 1144-1164.
222. Quanz, S.P., Henning, Th., Bouwman, J., Ratzka, Th., Leinert, Ch.: FU Orionis: The MIDI VLT Perspective, *Astrophys. J.* 648 (2006), 472-483.
223. Gouliermis, D.A., Dolphin, A.E., Brandner, W., Henning, Th.: The Star-forming Region NGC 346 in the Small Magellanic Cloud with Hubble Space Telescope ACS Observations. I. Photometry, *Astrophys. J. Suppl. Ser.* 166 (2006), 549-556.
224. Jäger, C., Krasnokutski, S., Staicu, A., Huiskens, F., Mutschke, H., Henning, Th., Poppitz, W., Voicu, I.: Identification and Spectral Properties of Polycyclic Aromatic Hydrocarbons in Carbonaceous Soot Produced by Laser Pyrolysis, *Astrophys. J. Suppl. Ser.* 166 (2006), 557-566.
225. Schneider, G., Silverstone, M.D., Hines, D.C., Augereau, J.-C., Pinte, C., Ménard, F., Krist, J., Clampin, M., Grady, C., Golimowski, D., Ardila, D., Henning, Th., Wolf, S., Rodmann, J.: Discovery of an 86 AU Radius Debris Ring around HD 181327, *Astrophys. J.* 650 (2006), 414-431.
226. Semenov, D., Wiebe, D., Henning, Th.: Gas-Phase CO in Protoplanetary Disks: A Challenge for Turbulent Mixing, *Astrophys. J.* 647 (2006), L57-L60.
227. Goto, M., Stecklum, B., Linz, H., Feldt, M., Henning, Th., Pascucci, I., Usuda, T.: High-resolution Infrared Imaging of Herschel 36 SE: A Showcase for the Influence of Massive Stars in Cluster Environments, *Astrophys. J.* 649 (2006), 299-305.
228. Sicilia-Aguilar, A., Hartmann, L.W., Fűrész, G., Henning, Th., Dullemond, C.P., Brandner, W.: High-resolution Spectroscopy in Tr37: Gas Accretion Evolution in Evolved Dusty Disks, *Astron. J.* 132 (2006), 2135-2155.
229. Bouwman, J., Lawson, W.A., Dominik, C., Feigelson, E.D., Henning, Th., Tielens, A.G.G.M., Waters, L.B.F.M.: Binarity as a Key Factor in Protoplanetary Disk Evolution: Spitzer Disk Census of the η Chamaeleontis Cluster, *Astrophys. J.* 653 (2006), L57-L60.
230. Goto, M., Usuda, T., Dullemond, C. P., Henning, Th., Linz, H., Stecklum, B. and Suto, H.: Inner Rim of a Molecular Disk Spatially Resolved in Infrared CO Emission Lines, *Astrophys. J.* 652 (2006), 758-762.
231. Staicu, A., Krasnokutski, S., Rouillé, G., Henning, Th., Huiskens, F.: Electronic Spectroscopy of Polycyclic Aromatic Hydrocarbons (PAHs) at Low Temperature in the Gas Phase and in Helium Droplets, *J. Mol. Structure* 786 (2006), 105-111.

232. Apai, D., Bik, A., Kaper, L., Henning, Th., Zinnecker, H.: Massive Binaries in High-mass Star-forming Regions: A Multi-Epoch Radial Velocity Survey of Embedded O-Stars, *Astrophys. J.* 655 (2006), 484-491.
233. Hippler S., Hormuth, F., Butler, D.J., Brandner, W., Henning, Th.: Atmosphere-Like Turbulence Generation with Surface-Etched Phase-Screens, *Optics Express* 14 (2006), 10139-10148.
234. Meyer, M.R., Hillenbrand, L.A., Backman, D., Beckwith, S., Bouwman, J., Brooke, T., Carpenter, J., Cohen, M., Cortes, S., Crockett, N., Gorti, U., Henning, Th. et al.: The Formation and Evolution of Planetary Systems: Placing Our Solar System in Context with Spitzer, *PASP* 118 (2006), 1690-1710.
235. Geissler, K., Kellner, S., Brandner, W., Masciadri, E., Hartung, M., Henning, Th., Lenzen, R., Close, L., Endl, M., Kürster, M.: A Direct and Differential Imaging Search for Sub-Stellar Companions to ϵ Indi A, *Astron. Astrophys.* (2007), 665-668.
236. Posch, Th., Mutschke, H., Tieloff, M., Henning, Th.: Infrared Spectroscopy of Calcium-Aluminium-Rich Inclusions – Analog Material for Protoplanetary Dust? *Astrophys. J.* 656 (2007), 615-620.
237. Quanz, S.P., Apai, D., Henning, Th.: Dust Rings and Filaments around the Isolated Young Star V1331 Cygni, *Astrophys. J.* 656 (2007), 287-292.
238. Hormuth, F., Brandner, W., Hippler, S., Janson, M., Henning, Th.: Direct Imaging of the Young Spectroscopic Binary HD 160934, *Astron. Astrophys.* 463 (2007), 707-711.
239. Janson, M., Brandner, W., Lenzen, R., Close, L., Nielson, E., Hartung, M., Henning, Th., Bouy, H.: Improved Age Constraints for the AB Doradus Quadruple System - The Binary Nature of AB Doradus B, *Astron. Astrophys.* 462 (2007), 615-620.
240. Carmona, A., van den Acker, M.E., Henning, Th.: Optical Spectroscopy of Close Companions to Nearby Herbig Ae/Be and T Tauri Stars, *Astron. Astrophys.* 464 (2007), 687-695.
241. Dutrey, A., Henning, Th., Guilloteau, S., Semenov, D., Pietu, V., Schreyer, K., Bacmann, A., Launhardt, R., Pety, J., Gueth, F.: Chemistry in Disks I. Deep Search for N_2H^+ in the Protoplanetary Disks around LkCa 15, MWC 480, and DM Tau, *Astron. Astrophys.* 464 (2007), 615-623.
242. Quanz, S.P., Henning, Th., Bouwman, J., Linz, H.: Deeply Embedded Objects and Shocked Molecular Hydrogen: The Environment of the FU Orionis Stars RNO 1B/1C, *Astrophys. J.* 658 (2007), 487-497.
243. Setiawan, J., Weise, P., Henning, Th., Launhardt, R., Müller, A., Rodmann, R.: Evidence for a Planetary Companion around a Nearby Young Star, *Astrophys. J.* 660 (2007), L145-L148.

244. Moro-Martin, A., Carpenter, J.M., Meyer, M.R., Hillenbrand, L.A., Malhotra, R., Hollenbach, D., Najita, J., Henning, Th., Kim, J.S., Bouwman, J., Silverstone, M.D., Hines, D.C., Wolf, S., Pascucci, I., Mamajek, E.E., Lunine, J.: Are Debris Disks and Massive Planets Correlated? *Astrophys. J.* 658 (2007), 1312-1321.
245. Sicilia-Aguilar, A., Hartmann, L.W., Watson, D., Bohac, C., Henning, Th., Bouwman, J.: Silicate Dust in Evolved Protoplanetary Disks: Growth, Sedimentation, and Accretion, *Astrophys. J.* 659 (2007), 1637-1660.
246. Goto, M., Kwok, S., Takami, H., Hayashi, M., Gaessler, W., Hayano, Y., Iye, M., Kamata, Y., Kanzawa, T., Kobayashi, N., Minowa, Y., Nedachi, K., Oya, S., Pyo, T.-S., Saint-Jacques, D., Takato, N., Terada, H., Henning, Th.: Diffraction-limited $3\mu\text{m}$ Spectroscopy of IRAS 04296+3429 and IRAS 05341+0852: Spatial Extent of Hydrocarbon Dust Emission and Dust Evolutionary Sequence, *Astrophys. J.* 662 (2007), 389-394.
247. Janson, M., Brandner, W., Henning, Th., Lenzen, R., McArthur, B., Benedict, G.F., Reffert, S., Nielsen, E., Close, L., Biller, B., Kellner, S., Guenther, E., Hatzes, A., Masciadri, E., Geissler, K., Hartung, M.: NACO-SDI Direct Imaging Search for the Exoplanet Eps Eri b, *Astrophys. J.* 133 (2007), 2442-2456.
248. Voshchinnikov, N.V., Videen, G., Henning, Th.: Effective Medium Theories for Irregular Fluffy Structures: Aggregation of Small Particles, *Applied Optics* 46 (2007), 4065-4072.
249. Llamas-Jansa, I., Jäger, C., Mutschke, H., Henning, Th.: Far-ultraviolet to Near-infrared Optical Properties of Carbon Nanoparticles Produced by Pulsed-laser Pyrolysis of Hydrocarbons and their Relation with Structural Variations, *Carbon* 45 (2007), 1542-1557.
250. Rochau, B., Gouliermis, D., Brandner, W., Dolphin, A.E., Henning, Th.: The Star-forming Region NGC 346 in the Small Magellanic Cloud with Hubble Space Telescope ACS Observations, II. Photometric Study of the Intermediate-Age Star Cluster BS 90, *Astrophys. J.* 664 (2007), 322-331.
251. Brauer, F., Dullemond, C.P., Johansen, A., Henning, Th., Klahr, H., Natta, A.: Survival of the mm-cm Size Grain Population Observed in Protoplanetary Disks, *Astron. Astrophys.* 469 (2007), 1169-1182.
252. Gouliermis, D., Quanz, S., Henning, Th.: Clustered Star Formation in the Small Magellanic Cloud. A Spitzer/IRAC View of the Star-forming Region NGC 602/N 90, *Astrophys. J.* 665 (2007) 306-314.
253. Rouillé, G., Arold, M., Staicu, A., Krasnokutski, S., Huisken, F., Henning, Th., Tan, X., Salama, F.: $S_1(^1A_1) \leftarrow S_0(^1A_1)$ Transition of Benzo[g,h,i]perylene in Supersonic Jets and Rare Gas Matrices. *J. Chem. Phys.* 126 (2007), 174311-174311-11.
254. Meisenheimer, K., Tristram, K.R.W., Jaffe, W., Israel, F., Neumeyer, N., Raban, D., Röttgering, H., Cotton, W.D., Graser, U., Henning, Th., Leinert, Ch., Lopez,

- B., Perrin, G., Prieto, A.: Resolving the Innermost Parsec of Centaurus A at Mid-infrared Wavelengths, *Astron. Astrophys.* 471 (2007), 453-465.
255. Grady, C.A., Schneider, G., , K., Sitko, M. L., Carpenter, W. J., Hines, D., Collins, K. A., Williger, G. M., Woodgate, B. E., Henning, Th., Ménard, F., Wilner, D., Petre, R., Palunas, P., Quirrenbach, A., Nuth, J.A., III, Silverstone, M.D., Kim, J.S.: The Disk and Environment of a Young Vega Analog: HD 169142, *Astrophys. J.* 665 (2007), 1391-1406.
 256. Ratzka, Th., Leinert, Ch., Henning, Th., Bouwman, J., Dullemond, C. P., Jaffe, W.: High Spatial Resolution Mid-infrared Observations of the Low-mass Young Star TW Hya, *Astron. Astrophys.* 471 (2007), 173-185.
 257. Dullemond, C.P., Henning, Th., Visser, R., Geers, V.C., van Dishoeck, E.F., Pontoppidan, K.M.: Dust Sedimentation in Protoplanetary Disks with Polycyclic Aromatic Hydrocarbons, *Astron. Astrophys.* 473 (2007), 457-466.
 258. Gouliermis, D., Henning, Th., Brandner, W., Dolphin, A.E., Rosa, M., Brandl, B.: Discovery of the Pre-Main Sequence Population of the Stellar Association LH 95 in the Large Magellanic Cloud with Hubble Space Telescope ACS Observations, *Astrophys. J.* 665 (2007), L27-L30.
 259. Quanz, S. P., Henning, Th., Bouwman, J., van Boekel, R., Juhász, A., Linz, H., Pontoppidan, K. M., Lahuis, F.: Evolution of Dust and Ice Features around FU Orionis Objects, *Astrophys. J.* 668 (2007), 359-383.
 260. Johansen, A., Oishi, J.O., Mac Low, M.-M., Klahr, H., Henning, Th., Youdin, A.: Rapid Planetesimal Formation in Turbulent Circumstellar Discs, *Nature* 448 (2007), 1022-1025.
 261. Biller, B.A., Close, L.M., Masciadri, E., Nielsen, E., Lenzen, R., Brandner, W., McCarthy, D., Hartung, M., Kellner, S., Mamajek, E., Henning, Th., Miller, D., Kenworthy, M., Kulesa, C.: An Imaging Survey for Extrasolar Planets around 45 Close, Young Stars with the Simultaneous Differential Imager at the Very Large Telescope and MMT, *Astrophys. J. Suppl. Ser.* 173 (2007), 143-165.
 262. Pavlyuchenkov, Ya., Semenov, D., Henning, Th., Guilloteau, St., Pietu, V., Launhardt, R., Dutrey, A.: Molecular Line Radiative Transfer in Protoplanetary Disks: Monte Carlo Simulations Versus Approximate Methods, *Astrophys. J.* 669 (2007), 1262-1278.
 263. Pavlyuchenkov, Ya., Henning, Th., Wiebe, D.: Do We Need to Know the Temperature in Prestellar Cores? *Astrophys. J.* 669 (2007), L101-L104.
 264. Chen, X., Launhardt, R., Henning, Th.: VLT/NACO Adaptive Optics Imaging of GSS 30 IRS1: a Protostellar Binary System? *Astron. Astrophys.* 475 (2007), 277-280.

265. Chen, X., Launhardt, R., Henning, Th.: OVRO N_2H^+ Observations of Class 0 Protostars: Constraints on the Formation of Binary Stars, *Astrophys. J.* 669 (2007), 1058-1071.
266. Tristram, K.R.W., Meisenheimer, K., Jaffe, W., Schartmann, M., Rix, H.-W., Leinert, Ch., Morel, S., Wittkowski, M., Röttgering, H., Perrin, G., Lopez, B., Raban, D., Cotton, W.D., Graser, U., Paresce, F., Henning, Th.: Resolving the Complex Structure of the Dust Torus in the Active Nucleus of the Circinus Galaxy, *Astron. Astrophys.* 474 (2007), 837-850.
267. Birkmann, S.M., Krause, O., Hennemann, M., Henning, Th., Steinacker, J., Lemke, D.: A Massive Protostellar Core with an Infalling Envelope, *Astron. Astrophys.* 474 (2007), 883-890.
268. Hines, D.C., Schneider, G., Hollenbach, D., Mamajek, E.E., Hillenbrand, L.A., Metchev, S.A., Meyer, M.R., Carpenter, J.M., Moro-Martin, A., Silverstone, M.D., Kim, J.S., Henning, Th., Bouwman, J., Wolf, S.: The Moth: An Unusual Circumstellar Structure Associated with HD 61005, *Astrophys. J.* 671 (2007), L165-L168.
269. Carmona, A., van den Ancker, M.E., Henning, Th., Goto, M., Fedele, D., Stecklum, B.: A Search for Near-infrared Molecular Hydrogen Emission in the CTTS LkH α 264 and the debris disk 49 Ceti, *Astron. Astrophys.* 476 (2007), 853-862.
270. Posch, Th., Baier, A., Mutschke, H., Henning, Th.: Carbonates in Space – The Challenge of Low Temperature Data, *Astrophys. J.* 668 (2007), 993-1000.
271. Jäger, C., Huysen, F., Mutschke, H., Henning, Th., Poppitz, W., Voicu, I.: Identification and Spectral Properties of PAHs in Carbonaceous Material Produced by Laser Pyrolysis, *Carbon* 45 (2007), 2981-2994.
272. Moro-Martin, A., Malhotra, R., Carpenter, J. M., Hillenbrand, L.A., Wolf, S., Meyer, M. R., Hollenbach, D., Najita, J., Henning, Th.: The Dust, Planetesimals and Planets of HD 38529, *Astrophys. J.* 668 (2007), 1165-1173.
273. Semenov, D., Pavlyuchenkov, Ya., Henning, Th., Wolf, S., Launhardt, R.: Chemical and Thermal Structure of Protoplanetary Disks as Observed with ALMA, *Astrophys. J.* 673 (2008), L195-L198.
274. Janson, M., Brandner, W., Henning, Th.: Integral Field Spectroscopy of L449-1. A Test Case for Spectral Differential Imaging with SINFONI, *Astron. Astrophys.* 478 (2008), 597-603.
275. Carmona, A., van den Ancker, M. E., Henning, Th., Pavlyuchenkov, Ya., Dullemond, C. P., Goto, M., Thi, W.-F., Bouwman, J., Waters, L. B. F. M.: A Search for Mid-Infrared Molecular Hydrogen Emission from Protoplanetary Disks, *Astron. Astrophys.* 477 (2008), 839-852.
276. Zapatero Osorio, M.R., Béjar, V.J.S., Bihain, G., Martín, E.L., Rebolo, R., Villó-Pérez, Díaz-Sánchez, A., Pérez Garrido, A., Caballero, J.A., Henning, Th., Mundt,

- R., Barrado y Navascués, D., Bailer-Jones, C.A.L.: New Constraints on the Membership of the T Dwarf S Ori 70 in the σ Orionis Cluster, *Astron. Astrophys.* 477 (2008), 895-900.
277. Hennekemper, E., Gouliermis, D.A., Henning, Th., Brandner, W., Dolphin, A.E.: NGC 346 in the Small Magellanic Cloud. III. Recent Star Formation and Stellar Clustering Properties in the Bright H II Region N 66, *Astrophys. J.* 672 (2008), 914-929.
278. Siciliar-Aguilar, A., Merín, B., Hormuth, F., Ábrahám, P., Henning, Th., Kun, M., Patel, N., Juhász, A., Brandner, W., Hartmann, L.W., Csizmadia, S., Moór, A.: The Rapid Outbursting Star GM Cep: An EX-or in Tr 37? *Astrophys. J.* 673 (2008), 382-399.
279. Vasyunin, A.I., Semenov, D., Henning, Th., Wakelam, V., Herbst, E., Sobolev, A. M.: Chemistry in Protoplanetary Disks: A Sensitivity Analysis, *Astrophys. J.* 672 (2008), 629-641.
280. Apai, D., Janson, M., Moro-Martin, A., Meyer, M. R., Mamajek, E. E., Masciadri, E., Henning, Th., Pascucci, I., Kim, J. S., Hillenbrand, L. A., Kasper, M., Biller, B.: A Survey for Massive Giant Planets in Debris Disks with Evacuated Inner Cavities, *Astrophys. J.* 672 (2008), 1196-1201.
281. Rouillé, G., Jäger, C., Steglich, M., Huisken, F., Henning, Th., Theumer, G., Bauer, I., Knölker, H.-J.: IR, Raman, and UV/Vis Spectra of Corannulene for Use in Possible Interstellar Identification, *ChemPhysChem* 9 (2008), 2085-2091.
282. Setiawan, J., Henning, Th., Launhardt, R., Müller, A., Weise, P., Kürster, M.: A Young Massive Planet in a Star-disk System, *Nature* 451 (2008), L38-L41.
283. Beuther, H., Semenov, D., Henning, Th., Linz, H.: Ethynyl (C_2H) in Massive Star Formation: Tracing the Initial Conditions? *Astrophys. J.* 675 (2008), L33-L36.
284. Brauer, F., Dullemond, C. P., Henning, Th.: Coagulation, Fragmentation and Radial Motion of Solid Particles in Protoplanetary Disks, *Astron. Astrophys.* 480 (2008), 859-877.
285. Kóspál, Á., Ábrahám, P., Apai, D., Ardila, D.R., Grady, C.A., Henning, Th., Juhász, A., Miller, D.W., Moór, A.: High-resolution Polarimetry of Parsamian 21: Revealing the Structure of an Edge-on FU Ori Disc, *Month. Not. Roy. Astron. Soc.* 383 (2008), 1015-1028.
286. Schartmann, M., Meisenheimer, K., Camenzind, M., Wolf, S., Tristram, K.R.W., Henning, Th.: Three-dimensional Radiative Transfer Models of Clumpy Tori in Seyfert Galaxies, *Astron. Astrophys.* 482 (2008), 67-80.
287. Raban, D., Heijligers, B., Rottgering, H., Meisenheimer, K., Jaffe, W., Käfl, H.U., Henning, Th.: The Core Flux of the Brightest 10 μm Galaxies in the Southern Sky, *Astron. Astrophys.* 484 (2008), 341-345.

288. Boersma, C., Bouwman, J., Lahuis, F., van Kerckhoven, C., Tielens, A.G.G.M., Waters, L.B.F.M., Henning, Th.: The Characteristics of the IR Emission Features in the Spectra of Herbig Ae Stars: Evidence for Chemical Evolution., *Astrophys. J.* 484 (2008), 241-249.
289. Voshchinnikov, N.V., Henning, Th.: Is the Silicate Emission Feature only Influenced by Grain Size? *Astron. Astrophys.* 483 (2008), L9-L12.
290. Bouwman, J., Henning, Th., Hillenbrand, L.A., Meyer, M.R., Pascucci, I., Carpenter, J., Hines, D., Kim, J.S., Silverstone, M.D., Hollenbach, D., Wolf, S.: The Formation and Evolution of Planetary Systems: Grain Growth and Chemical Processing of Dust in T Tauri Systems, *Astrophys. J.* 683 (2008), 479-498.
291. Johansen, A., Brauer, F., Dullemond, C., Klahr, H., Henning, Th.: A Coagulation-Fragmentation Model for the Turbulent Growth and Destruction of Preplanetesimals, *Astron. Astrophys.* 486 (2008), 597-611.
292. Dullemond, C.P., Brauer, F., Henning, Th., Natta, A.: Dust Coagulation and Processing in an Evolving Disk, *Physica Scripta* 130, (2008), 014015.
293. Schmalzl, M., Gouliermis, D.A., Dolphin, A.E., Henning, Th.: The Initial Mass Function of the Stellar Association NGC 602 in the Small Magellanic Cloud with Hubble Space Telescope ACS Observations, *Astrophys. J.* 681 (2008), 290-302.
294. Chen, X., Launhardt, R., Bourke, T.L., Henning, Th., Barnes, P.J.: ATCA and Spitzer Observations of the Binary Protostellar Systems CG 30 and BHR 71, *Astrophys. J.* 683 (2008), 862-875.
295. Brauer, F., Henning, Th., Dullemond, C.P.: Planetesimal Formation around the Snow Line in MRI-driven Turbulent Protoplanetary Disks, *Astron. Astrophys.* 487 (2008), L1-L4.
296. Peter, D., Feldt, M., Dorner, B., Henning, Th., Hippler, S., Aceituno, J.: PYRAMIR: Calibration and Operation of a Pyramid Near-infrared Wavefront Sensor, *PASP* 120 (2008), 872-886.
297. Rodler, F., Kürster, M., Henning, Th.: HD 75289Ab Revisited - Searching for Starlight Reflected from a Hot Jupiter, *Astron. Astrophys.* 485 (2008), 859-864.
298. Janson, M., Reffert, S., Brandner, W., Henning, Th., Lenzen, R., Hippler, S.: A Comprehensive Examination of the ϵ Eridani System. Verification of a 4 Micron Narrow-Band High-contrast Imaging Approach for Planet Searches, *Astron. Astrophys.* 488 (2008), 771-780.
299. Chen, X., Bourke, T.L., Launhardt, R., Henning, Th.: SMA CO (2-1) Observations of CG 30: A Protostellar Binary System with a High-Velocity Quadrupolar Molecular Outflow, *Astrophys. J.* 686 (2008), L107-L110.
300. Pinte, C., Padgett, D., L., Ménard, F., Stapelfeldt, K.R., Schneider, G., Olofsson, J., Panic', O., Augereau, J.C., Duchêne, G., Krist, J., Pontoppidan, K., Perrin, M.

- D., Grady, C. A., Kessler-Silacci, J., van Dishoeck, E. F., Lommen, D., Silverstone, M., Hines, D. C., Wolf, S., Blake, G. A., Henning, Th., Stecklum, B.: Probing Dust Grain Evolution in IM Lupi's Circumstellar Disc. Multi-wavelength Observations and Modelling of the Dust Disc, *Astron. Astrophys.* 489 (2008), 633-650.
301. Gouliermis, D., Chu, Y.-H., Henning, Th., Brandner, W., Gruendl, R.A., Hennekemper, E., Hormuth, F.: NGC346 in the Small Magellanic Cloud. IV. Triggered Star Formation in the HII Region N66, *Astrophys. J.* 688 (2008), 1050-1059.
302. Goto, M., Usuda, T., Nagata, T., Geballe, T.R., McCall, B.J., Indriolo, N., Suto, H., Henning, Th., Morong, C.P., Oka, Takeshi: Absorption Line Survey of H_3^+ toward the Galactic Center Sources II. Eight Infrared Sources within 30 pc of the Galactic Center, *Astrophys. J.* 688 (2008), 306-319.
303. Sicilia-Aguilar, A., Henning, Th., Juhász, A., Bouwman, J., Garmire, G., Garmire, A.: Very Low-mass Objects in the Coronet Cluster: The Realm of the Transition Disks, *Astrophys. J.* 687 (2008), 1145-1167.
304. Dutrey, A., Guilloteau, S., Piétu, V., Chapillon, E., Gueth, F., Henning, Th., Launhardt, R., Pavlyuchenkov, Y., Schreyer, K., Semenov, D., Cavities in Inner Disks: The GM Aurigae Case, *Astron. Astrophys.* 490 (2008), L15-L18.
305. Goldman, B., Bouy, H., Zapatero Osorio, M. R., Stumpf, M. B., Brandner, W., Henning, Th.: Binarity at the L/T Brown Dwarf Transition. Adaptive Optics Search for Companions, *Astron. Astrophys.* 490 (2008), 763-768.
306. Jäger, C., Mutschke, H., Henning, Th., Huisken, F.: Spectral Properties of Gas-phase Condensed Fullerene-like Carbon Nanoparticles from Far-ultraviolet to Infrared Wavelengths, *Astrophys. J.* 689 (2008), 249-259.
307. Pavlyuchenkov, Ya., Wiebe, D., Shustov, B., Henning, Th., Launhardt, R., Semenov, D.: Molecular Emission Line Formation in Prestellar Cores, *Astrophys. J.* 689 (2008), 335-350.
308. Mutschke, H., Zeidler, S., Posch, Th., Kerschbaum, F., Baier, A., Henning, Th.: Far-Infrared Spectra of Hydrous Silicates at Low Temperatures - Providing Laboratory Data for Herschel and ALMA, *Astron. Astrophys.* 492 (2008), 117-125.
309. Schreyer, K., Guilloteau, S., Semenov, D., Bacmann, A., Chapillon, E., Dutrey, A., Gueth, F., Henning, Th., Hersant, F., Launhardt, R., Pety, J., Pietu, V.: Chemistry in Disks. II. – Poor Molecular Content of the AB Aur Disk, *Astron. Astrophys.* 491 (2008), 821-827.
310. Fedele, D., van den Ancker, M.E., Acke, B., van der Plas, G., van Boekel, R., Witkowski, M., Henning, Th., Bouwman, J., Meeus, G., Rafanelli, P.: The Structure of the Protoplanetary Disk Surrounding Three Young Intermediate Mass Stars. II. Spatially Resolved Dust and Gas Distribution, *Astron. Astrophys.* 491 (2008), 809-820.

311. Staicu, A., Rouillé, G., Henning, Th., Huisken, F., Pouladsaz, D., Scholz, R.: $S_1 \leftarrow S_0$ Transition of 2,3-Benzofluorene at Low Temperature in the Gas Phase, *J. Chem. Phys.* 129 (2008), 074302.
312. Forbrich, J., Stanke, T., Klein, R., Henning, Th., Menten, K.M., Schreyer, K., Poselt, B.: A Multi-wavelength Study of a Double Intermediate-mass Protostar - from Large-scale Structure to Collimated Jets, *Astron. Astrophys.* 493 (2009), 547-556.
313. Vasyunin, A.I., Semenov, D.A., Wiebe, D.S., Henning, Th.: A Unified Monte Carlo Treatment of Gas-Grain Chemistry for Large Reaction Networks. I. Testing Validity of Rate Equations in Molecular Clouds, *Astrophys. J.* 691 (2009), 1459-1469.
314. Launhardt, R., Pavlyuchenkov, Ya., Gueth, F., Chen, X., Dutrey, A., Guilloteau, S., Henning, Th., Pietu, V., Schreyer, K., Semenov, D.: Rotating Molecular Outflows: The Young T Tauri Star in CB26, *Astron. Astrophys.* 494 (2009), 147-156.
315. Koppenhoefer, J., Afonso, C., Saglia, R. P., Henning, Th.: Investigating the Potential of the Pan-Planets Project Using Monte Carlo Simulations, *Astron. Astrophys.* 494 (2009), 707-717.
316. Cockell, C.S., Herbst, T., Léger, A., Absil, O., Beichman, C., Benz, W., Brack, A., Chazelas, B., Chelli, A., Cottin, H., Coudé Du Foresto, V., Danchi, W., Defrére, D., den Herder, J.-W., Eiroa, C., Fridlund, M., Henning, Th., Johnston, K., Kaltenegger, L. et al.: Darwin – An Experimental Astronomy Mission to Search for Extrasolar Planets, *Exp. Astron.* 23 (2009), 435-461.
317. Boulanger, F., Maillard, J. P., Appleton, P., Falgarone, E., Lagache, G., Schulz, B., Wakker, B. P., Bressan, A., Cernicharo, J., Charmandaris, V., Drissen, L., Helou, G., Henning, Th., Lim, T. L., Valentijn, E. A. et al.: The Molecular Hydrogen Explorer H2EX, *Experimental Astronomy* 23 (2009), 277-302.
318. Carpenter, J.M., Bouwman, J., Mamajek, E.E., Meyer, M.R., Hillenbrand, L.A., Backman, D.E., Henning, Th., Hines, D.C., Hollenbach, D., Kim, J.S., Moro-Martin, A., Pascucci, I., Silverstone, M.D., Stauffer, J.R., Wolf, S.: Formation and Evolution of Planetary Systems (FEPS): Properties of Debris Dust around Solar-type Stars, *Astrophys. J. Suppl. Ser.* 181 (2009), 197-226.
319. Schartmann, M., Meisenheimer, K., Klahr, H., Camenzind, M., Wolf, S., Henning, Th.: The Effect of Stellar Feedback on the Formation and Evolution of Gas and Dust Tori in AGN, *MNRAS* 393 (2009), 759-773.
320. Goto, M., Henning, Th., Kouchi, A., Takami, H., Hayano, Y., Usuda, T., Takato, N., Terada, H., Oya, S., Jäger, C., Andersen, A. C.: Spatially Resolved 3 micron Spectroscopy of Elias 1: Origin of Diamonds in Protoplanetary Disks, *Astrophys. J.* 693 (2009), 610-616.
321. Hennemann, M., Birkmann, S.M., Krause, O., Lemke, D., Pavlyuchenkov, Ya., More, S., Henning, Th.: Star-forming Cores Embedded in a Massive Cold Clump: Fragmentation, Collapse and Energetic Outflows, *Astrophys. J.* 693 (2009), 1379-1391.

322. Chen, X., Launhardt, R., Henning, Th.: IRAM-PdBI Observations of Binary Protostars I: The Hierarchical System SVS13 in NGC1333, *Astrophys. J.* 691 (2009), 1729-1737.
323. , K.A., Grady, C.A., Hamaguchi, K., Wisniewski, J.P., Brittain, S., Sitko, M., Carpenter, W.J., Williams, J.P., Mathews, G.S., Williger, G.M., van Boekel, R., Carmona, A., Henning, Th., van den Ancker, M.E., Meeus, G., Chen, X.P., Petre, R., Woodgate, B.E.: HD 100453: A Link between Gas-Rich Protoplanetary Disks and Gas-Poor Debris Disks, *Astrophys. J.* 697 (2009), 557-572.
324. Pascucci, I., Apai, D., Luhmann, K., Henning, Th., Bouwman, J., Meyer, M.R., Lahuis, F., Natta, A. The Different Evolution of Gas and Dust in Disks around Sun-like and Cool Stars. *Astrophys. J.* 696 (2009), 143-159.
325. Meeus, G., Juhász, A., Henning, Th., Bouwman, J., Chen, C., Lawson, W., Apai, D., Pascucci, I., Sicilia-Aguilar, A.: MBM 12: Young Protoplanetary Discs at High Galactic Latitude. *Astron. Astrophys.* 497 (2009), 379-392.
326. Roccatagliata, V., Henning, Th., Wolf, S., Rodmann, J., Corder, S., Carpenter, J.M., Meyer, M., Dowell, D.: Long-wavelength Observations of Debris Disks around Sun-like Stars, *Astron. Astrophys.* 497 (2009), 409-421.
327. Juhász, A., Henning, Th., Bouwman, J., Dullemond, C., Pascucci, I., Apai, D.: Do we Really Know the Dust? Systematics and Uncertainties of the Mid-infrared Spectral Analysis Methods, *Astrophys. J.* 695 (2009), 1024-1041.
328. Jäger, C., Mutschke, H., Huisken, F., Llamas Jansa, I., Th. Henning, Th.: Formation of PAHs and Carbonaceous Solids in Gas-phase Condensation Experiments, *Astrophys. J.* 696 (2009), 706-712.
329. Da Rio, N., Gouliermis, D., Henning, Th.: The Complete Initial Mass Function Down to the Sub-Solar Regime in the Large Magellanic Cloud with Hubble Space Telescope ACS Observations *Astrophys. J.* 696 (2009), 528-545.
330. van Boekel, R., Guedel, M., Henning, Th., Lahuis, F., Pantin, E.: An Outflow Origin of the [NeII] Emission in the T Tau Triplet, *Astron. Astrophys.* 497 (2009), 137-144.
331. Daemgen, S., Hormuth, F., Brandner, W., Bergfors, C., Janson, M., Hippler, S., Henning, Th.: Binarity of Transit Host Stars - Implications on Planetary Parameters, *Astron. Astrophys.* 498 (2009), 567-574.
332. Ábrahám, P., Juhász, A., Dullemond, C.P., Kóspál, Á., van Boekel, R., Bouwman, J., Henning, Th., Moór, A., Mosoni, L., Sicilia-Aguilar, A., Sipos, N.: Episodic Formation of Cometary Material in the Outburst of a Young Sun-like Star, *Nature* 459 (2009), 224-226.
333. Vasyunina, T., Linz, H., Henning, Th., Stecklum, B., Klose, S., Nyman, L.A.: Physical Properties of Southern Infrared Dark Clouds, *Astron. Astrophys.* 499 (2009), 149-161.

334. Garrod, R.T., Vasyunin, A.I., Semenov, D.A., Wiebe, D.S., Henning, Th.: A New Modified-Rate Approach For Gas-Grain Chemistry: Comparison with a Unified Large-scale Monte Carlo Astrophys. J. 700, (2009), L43-L46.
335. Moór, A., Apai, D., Pascucci, I., Ábrahám, P., Grady, C., Henning, Th., Juhász, A., Kiss, Cs., Kóspál, Á.: The Discovery of New Warm Debris Disks around F-type Stars, Astrophys. J. 700 (2009), L25-L29.
336. Grady, C.A., Schneider, G., Sitko, M.L., Williger, G.M., Hamaguchi, K., Brittain, S.D., Ablordeppey, K., Apai, D., Beerman, L., Carpenter, W.J., Collins, K.A., Fukagawa, M., Hammel, H.B., Henning, Th., Hines, D., Kimes, R., Lynch, D.K., Ménard, F., Pearson, R., Russell, R.W., Silverstone, M. Smith, P.S., Troutman, M., Wilner, D., Woodgate, B., Clampin, M.: Revealing the Structure of a Pre-transitional Disk: The Case of the Herbig F Star SAO 206462 (HD 135344B), Astrophys. J., 699 (2009), 1822-1842.
337. Wang, H., Henning, Th.: Herbig-Haro Objects in the Lupus I and III Molecular Clouds, Astron. J. 138 (2009), 1072-1081.
338. Schuller, F., Menten, K.M., Contreras, Y., Wyrowski, F., Schilke, P., Bronfman, L., Henning, Th., Walmsley, C.M., Beuther, H., Bontemps, S., Cesaroni, R., Deharveng, L., Garay, G., Herpin, F. et al.: ATLASGAL - The APEX Telescope Large Area Survey of the Galaxy at 870 microns, Astron. Astrophys. 504 (2009), 415-427.
339. Goldman, B., Pitann, J., Zapatero Osorio, M.R., Bailer-Jones, C.A.L., Béjar, V.J.S., Caballero, J.A., Henning, Th.: Polarisation of Very-low-mass Stars and Brown Dwarfs. I. VLT/FORSI Optical Observations of Field Ultra-cool Dwarfs. Astron. Astrophys. 502 (2009), 929-936.
340. Tristram, K.R.W., Raban, D., Meisenheimer, K., Jaffe, W., Röttgering, H., Burtscher, L., Cotton, W.D., Graser, U., Henning, Th., Leinert, Ch., Lopez, B., Morel, S., Perrin, G., Wittkowski, M.: Parsec-scale Dust Distributions in Seyfert Galaxies. Results of the MIDI AGN Snapshot Survey, Astron. Astrophys. 502 (2009), 67-84.
341. Ratzka, Th., Schegerer, A.A., Leinert, Ch., Ábrahám, P., Henning, Th., Herbst, T.M., Köhler, R., Wolf, S., Zinnecker, H.: Spatially Resolved Mid-infrared Observations of the Tripe System T Tauri, Astron. Astrophys. 502 (2009), 623-646.
342. Sicilia-Aguilar, A., Bouwman, J., Juhász, A., Henning, Th., Roccatagliata, V., Lawson, W.A., Acke, B., Feigelson, E.D., Tielens, A.G.G.M., Decin, L., Meeus, G.: The Long-lived Disks in the Eta Chamaeleontis Cluster, Astrophys. J. 701 (2009), 1188-1203.
343. Janson, M., Apai, D., Zechmeister, M., Brandner, W., Kürster, M., Kasper, M., Reffert, S., Endl, M., Lafrenière, D., Geißler, K., Hippler, S., Henning, Th.: Imaging Search for the Unseen Companion to ϵ Ind A - Improving the Detection Limits with 4 μ m Observations, Month. Not. Roy. Astron. Soc. 399 (2009), 377-384.

344. Fang, M., van Boekel, R., Wang, W., Carmona, A. Sicilia-Aguilar, A., Henning, Th.: Star and Protoplanetary Disk Properties in Orion's Suburbs, *Astron. Astrophys.* 504 (2009), 461-489.
345. Beuther, H., Henning, Th.: Multiple Low-turbulence Starless Cores Associated with Intermediate- to High-mass Star Formation, *Astron. Astrophys.* 503 (2009), 859-867.
346. Boley, B., Sobolev, A., Krushinski, V., van Boekel, R., Henning, Th.: S 235 B Explained: an Accreting Herbig Be Star Surrounded by Reflection Nebulosity, *Month. Not. Roy. Astron. Soc.* 399 (2009), 778-782.
347. Cockell, C.S., A. Léger, A., Fridlund, M., Herbst, T.M., Kaltenegger, L., Absil, O., Beichman, C., Benz, W., Blanc, M., Brack, A., Chelli, A., Colangeli, L., Cottin, H., Coudé du Foresto, F., Danchi, W.C., Defrère, D., den Herder, J.W., Eiroa, C., Greaves, J., Henning, Th., Johnston, K.J., Jones, H., Labadie, L., Lammer, H., Launhardt, R. et al.: Darwin - A Mission to Detect and Search for Life on Extrasolar Planets. *Astrobiology* 9, (2009), 1-22.
348. Linz, H., Henning, Th., Feldt, M., Pascucci, I., van Boekel, R., Men'shchikov, A., Stecklum, B., Chesneau, O., Ratzka, Th., Quanz, S.P., Leinert, Ch., Waters, R., Zinnecker, H.: Mid-infrared Interferometry of Massive Young Stellar Objects. I. VLTI and Subaru Observations of the Enigmatic Object M8E-IR, *Astron. Astrophys.* 505 (2009), 655-661.
349. Bihain, G., Rebolo, R., Zapatero Osorio, M.R., Béjar, V. J.S., Villó-Pérez, I., Díaz-Sánchez, A., Pérez-Garrido, A., Caballero, J.A., Bailer-Jones, C.A.L., Barrado y Navascués, D., Eisloffel, J., Forveille, T., Goldman, B., Henning, Th., Martín, E.L., Mundt, R.: Candidate Free-floating Super-jupiters in the Young Sigma Orionis Open Cluster, *Astron. Astrophys.* 506 (2009), 1169-1182.
350. Glauser, A.M., Guedel, M., Watson, D.M., Henning, Th., Schegerer, A.A., Wolf, S., Audard, M., Baldovin-Saavedra, C.: Dust Amorphization in Protoplanetary Disks, *Astron. Astrophys.* 508 (2009), 247-257.
351. Kainulainen, J., Beuther, H., Henning, Th., Plume, R.: Probing the Evolution of Molecular Cloud Structure. From Quiescence to Birth, *Astron. Astrophys.* 508 (2009), L35-L38.
352. Thalmann, C., Carson, J., Janson, M., Goto, M., McElwain, M., Egner, S., Feldt, M., Hashimoto, J., Hayano, Y., Henning, Th., Hodapp, K.W., Kandori, R., Klahr, H., Kudo, T., Kusakabe, N., Mordasini, C., Morino, J.-I., Suto, H., Suzuki, R., Tamura, M.: Discovery of the Coldest Imaged Companion of a Sun-Like Star, *Astrophys. J.* 707 (2009), L123-L127.
353. Peter, D., Feldt, M., Henning, Th., Hippler, S., Aceituno, J., Montoya, L., Costa, J., Dorner, B.: PYRAMIR: Exploring the On-Sky Performance of the World's First Near-infrared Pyramid Wavefront Sensor, *PASP* 122 (2009), 63-70.

354. Rouillé, G., Steglich, M., Huisken, F., Henning, Th., Müllen, K.: UV/visible Spectroscopy of Matrix-isolated Hexa-peri-hexabenzocoronene: Interacting Electronic States and Astrophysical Context, *J. Chem. Phys.* 131 (2009), 204311-1-204311-7.
355. Rouillé, G., Arold, M., Staicu, A., Henning, Th., Huisken, F.: Cavity Ring-down Laser Absorption Spectroscopy of Jet-cooled L-Tryptophan, *J. Phys. Chem. A* 113 (2009), 8187-8194.
356. Kuiper, R., Klahr, H., Dullemond, C., Kley, W., Henning, Th.: Radiation Hydrodynamics Simulations in Massive Star Formation I - Fast and Accurate Frequency Dependent Radiation Transport, *Astron. Astrophys.* 511 (2010), id.A81.
357. Quanz, S.P., Goldman, B., Henning, Th., Brandner, W., Burrows, A., Hofstetter, L.W.: Search for Very Low-mass Brown Dwarfs and Free-Floating Planetary-Mass Objects in Taurus, *Astrophys. J.* 708 (2010), 770-784.
358. Sicilia-Aguilar, A., Henning, Th., Hartmann, L.W.: Accretion in Evolved and Transitional Disks in CEP OB2: Looking for the Origin of the Inner Holes, *Astrophys. J.* 710 (2010), 597-612.
359. Kaltenegger, L., Selsis, F., Fridlund, M., Lammer, H., Beichman, Ch., Danchi, W., Eiroa, C., Henning, Th., Herbst, T., Leger, A., Liseau, R., Lunine, J., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Schneider, J., Stam, D., Tinetti, G., White, G.J. Deciphering Spectral Fingerprints of Habitable Extrasolar Planets, *Astrobiology* 10 (2010), 89-102.
360. Schneider, J., Léger, A., Fridlund, M., White, G.J., Eiroa, C., Henning, Th., Herbst, T., Lammer, H. et al.: The Far Future of Exoplanet Direct Characterisation, *Astrobiology* 10 (2010), 121-126.
361. Boudreault, S., Bailer-Jones, C.A.L., Goldman, B., Henning, Th., Caballero, J.A.: Brown Dwarfs and Very Low Mass Stars in the Praesepe Open Cluster: a Dynamically Unevolved Mass Function? *Astron. Astrophys.* 510 (2010), id.A27.
362. Fedele, D., van den Ancker, M.E., Henning, Th., Jayawardhana, R., Oliveira, J.M.: Timescale of Mass Accretion in Pre-Main-Sequence Stars, *Astron. Astrophys.* 510 (2010), id.A72.
363. Beuther, H., Linz, H., Bik, A., Goto, M., Henning, Th.: Disk and Outflow Signatures in Orion-KL: The Power of High-resolution Thermal Infrared Spectroscopy, *Astron. Astrophys.* 512 (2010), id.A29.
364. Steglich, M., Jäger, C., Rouillé, G., Huisken, F., Mutschke, H., Henning, Th.: Electronic Spectroscopy of Medium-sized Polycyclic Aromatic Hydrocarbons: Implications for the Carriers of the 2175 Å UV Bump, *Astrophys. J.* 712 (2010), L16-L20.
365. Dzyurkevich, N., Flock, M., Turner, N.J., Klahr, H. and Henning, Th.: Trapping of Solids at the Inner Edge of the Dead Zone: 3D Global MHD Simulations, *Astron. Astrophys.* 515 (2010), id.A70.

366. Rodler, F., Kürster, M., Henning, Th.: Tau Boo b: Hunting for Reflected Starlight, *Astron. Astrophys.* 514 (2010), id.A23.
367. Bik, A., Puga, E., Waters, L.B.F.M., Horrobin, M., Henning, Th., Vasyunina, T., Beuther, H., Linz, H., Kaper, L., van den Ancker, M., Lenorzer, A., Churchwell, E., Kurtz, S., Kouwenhoven, M.B.N., Stolte, A., de Koter, A., Thi, W.-F., Comeron, F., Waelkens, Ch.: Sequential Star Formation in RCW 34: A Spectroscopic Census of the Stellar Content of High-mass Star-forming Regions, *Astrophys. J.* 713 (2010), 883-899.
368. Henning, Th., Semenov, D., Guilloteau, St., Dutrey, A., Hersant, F., Wakelam, V., Chapillon, E., Launhardt, R., Pietu, V., Schreyer, K.: Chemistry in Disks. III. – Photochemistry and X-ray Driven Chemistry Probed by the Ethynyl Radical (CCH) in DM Tau, LkCa 15, and MWC 480, *Astrophys. J.* 714 (2010), 1511-1520.
369. Launhardt, R., Nutter, D., Ward-Thompson, D., Bourke, T.L., Henning, Th., Khanzadyan, T., Schmalzl, M., Wolf, S., Zylka, R.: Looking into the Hearts of Bok Globules: MM and Submm Continuum Images of Isolated Star-forming Cores, *Astron. Astrophys. Suppl. Ser.* 188 (2010), 139-177.
370. Chen, X., Arce, H.G., Zhang, Q., Bourke, T.L., Launhardt, R., Schmalzl, M., Henning, Th.: L1448 IRS2E: A Candidate First Hydrostatic Core, *Astrophys. J.* 715, (2010), 1344-1351.
371. Rochau, B., Brandner, W., Stolte, A., Gennaro, M., Gouliermis, D., Da Rio, N., Dzyurkevich, N., Henning, Th.: Internal Dynamics and Membership of the NGC 3603 Young Cluster from Microarcsecond Astrometry, *Astrophys. J.* 716 (2010), L90-L94.
372. Goldman, B., Marsat, S., Henning, Th., Clemens, C., Greiner, J.: A New Benchmark T8-9 Brown Dwarf and a Couple of New Mid-T Dwarfs from the UKIDSS DR5+ LAS, *Month. Not. Roy. Astron. Soc.* 405 (2010), 1140-1152.
373. Gouliermis, D.A., Bestenlehner, J.M., Brandner, W., Henning, Th.: Recent Star Formation at Low Metallicities. The Star-forming Region NGC 346/N66 in the Small Magellanic Cloud from Near-infrared VLT/ISAAC Observations, *Astron. Astrophys.* 515 (2010), id.A56.
374. Stumpf, M.B., Brandner, W., Bouy, H., Henning, Th., Hippler, S. 2MASS J03105986+1648155AB - A New Binary at the L/T Transition, *Astron. Astrophys.* 516 (2010), id.A37.
375. Schnupp, C., Bergfors, C., Brandner, W., Daemgen, S., Fischer, D., Marcy, G., Henning, Th., Hippler, S., Janson, M.: Discovery of a Stellar Companion to the Nearby Solar-analogue HD 104304, *Astron. Astrophys.* 516 (2010), id.A21.
376. Voshchinnikov, N.V., Henning, Th.: From Interstellar Abundances to Grain Composition: the Major Dust Constituents Mg, Si and Fe, *Astron. Astrophys.* 517 (2010), id.A45.

377. Carmona, A., van den Ancker, M.E., Audard, M., Henning, Th., Setiawan, J., Rodmann, J.: New Herbig Ae/Be Stars Confirmed via High-resolution Optical Spectroscopy, *Astron. Astrophys.* 517 (2010), id.A67.
378. van Boekel, R., Juhász, A., Henning, Th., Koehler, R., Ratzka, T., Herbst, T., Bouwman, J., Kley, W.: Variable Accretion as a Mechanism for Brightness Variations in T Tau S, *Astron. Astrophys.* 517 (2010), id.A16.
379. Weise, P., Launhardt, R., Setiawan, J., Henning, Th.: Rotational Velocities of Nearby Young Stars, *Astron. Astrophys.* 517 (2010), id.A88.
380. Quanz, S.P., Beuther, H., Steinacker, J., Linz, H., Birkmann, S.M., Krause, O., Henning, Th., Zhang, Q.: A Large, Massive, Rotating Disk around an Isolated Young Stellar Object, *Astrophys. J.* 717 (2010), 693-707.
381. Poglitsch, A., Waelkens, C., Geis, N., Feuchtgruber, H., Vandenbussche, B., Rodríguez, L., Krause, O., et al.: The Photodetector Array Camera and Spectrometer (PACS) on the Herschel Space Observatory, *Astron. Astrophys.* 518 (2010), id.L2.
382. Codella, C., Lefloch, B., Ceccarelli, C., Cernicharo, J., Caux, E., Lorenzani, A., Viti, S., Hily-Blant, P., Parise, B., Maret, S., Nisini, B., Caselli, P., Cabrit, S., Pagani, L., Benedettini, M., Boogert, A., Gueth, F., Melnick, G. et al.: The CHESSE Spectral Survey of Star Forming Regions: Peering into the Protostellar Shock L1157-B1. I. Shock Chemical Complexity, *Astron. Astrophys.* 518 (2010), id.L112.
383. Sturm, B., Bouwman, J., Henning, Th., Evans, N.J., II, Acke, B., Mulders, G.D., Waters, L.B.F.M. et al.: First results of the Herschel Key Program 'Dust, Ice and Gas in Time': Dust and Gas Spectroscopy of HD 100546, *Astron. Astrophys.* 518 (2010), id.L129.
384. Linz, H., Krause, O., Beuther, H., Henning, Th., Klein, R., Nielbock, M., Stecklum, B., Steinacker, J., Stutz, A.: The Structured Environments of Embedded Star-forming Cores. PACS and SPIRE Mapping of the Enigmatic Outflow Source UYSO 1, *Astron. Astrophys.* 518 (2010), id.L123.
385. Henning, Th., Linz, H., Krause, O., Ragan, S., Beuther, H., Launhardt, R., Nielbock, M., Vasyunina, T.: The Seeds of Star Formation in the Filamentary Infrared-dark Cloud G011.11-0.12, *Astron. Astrophys.* 518 (2010), id.L95.
386. Stutz, A., Launhardt, R., Linz, H., Krause, O., Henning, Th., Kainulainen, J., Nielbock, M., Steinacker, J., Andre, P.: Dust-temperature of an Isolated Star-forming Cloud: Herschel Observations of the Bok Globule CB244, *Astron. Astrophys.* 518 (2010), id.L78.
387. Beuther, H., Henning, Th., Linz, H., Krause, O., Nielbock, M., Steinacker, J.: From High-mass Starless Cores to High-mass Protostellar Objects, *Astron. Astrophys.* 518 (2010), id.L78.

388. Fischer, W.J., Megeath, S.T., Ali, B., Tobin, J.J., Osorio, M., Allen, L.E., Kryukova, E., Stanke, T., Stutz, A.M., Bergin, E., Calvet, N., Di Francesco, J., Furlan, E., Hartmann, L., Henning, Th., Krause, O., Manoj, P., Maret, S., Muzerolle, J., Myers, P., Neufeld, D., Pontoppidan, K., Poteet, C.A., Watson, D.M., Wilson, T.: Herschel/PACS Imaging of Protostars in the HH 1-2 Outflow Complex, *Astron. Astrophys.* 518 (2010), id.L122.
389. Stanke, T., Stutz, A.M., Tobin, J.J., Ali, B., Megeath, S.T., Krause, O., Linz, H., Allen, L., Bergin, E., Calvet, N., Di Francesco, J., Fischer, W.J., Furlan, E., Hartmann, L., Henning, Th., Manoj, P., Maret, S., Muzerolle, J., Myers, P.C., Neufeld, D., Osorio, M., Pontoppidan, K., Poteet, C.A., Watson, D.M., Wilson, T.: Hier ist wahrhaftig ein Loch im Himmel - The NGC 1999 dark globule is not a globule, *Astron. Astrophys.* 518 (2010), id.L94.
390. van Kempen, T.A., Green, J.D., Evans, N.J., van Dishoeck, E.F., Kristensen, L.E., Herczeg, G.J., Merin, B., Lee, J.-E., Joergensen, J.K.J., Bouwman, J. et al.: Dust, Ice and Gas in Time (DIGIT) Herschel Program First Results: A Full PACS-SED Scan of the Gas Line Emission in Protostar DK Cha, *Astron. Astrophys.* 518 (2010), id.L128.
391. André, Ph., Men'shchikov, A., Bontemps, S., Könyves, V., Motte, F., Schneider, N., Didelon, P., Minier, V., Saraceno, P., Ward-Thompson, D., Di Francesco, J., White, G., Molinari, S., Testi, L., Abergel, A., Griffin, M., Henning, Th. et al.: From Filamentary Clouds to Prestellar Cores to the Stellar IMF: Initial Highlights from the Herschel Gould Belt Survey, *Astron. Astrophys.* 518 (2010), id.L102.
392. Barlow, M.J., Krause, O., Swinyard, B.M., Sibthorpe, B., Besel, M.-A., Wesson, R., Ivison, R.J., Dunne, L., Gear, W.K., Gomez, H.L., Hargrave, P.C., Henning, Th., Leeks, S.J., Lim, T. L., Olofsson, G., Polehampton, E.T.: A Herschel PACS and SPIRE Study of the Dust Content of the Cassiopeia A Supernova Remnant, *Astron. Astrophys.* 518 (2010), id.L138.
393. Sibthorpe, B., Vandenbussche, B., Greaves, J.S., Pantin, E., Olofsson, G., Acke, B., Barlow, M.J., Blommaert, J.A.D.L., Bouwman, J., Brandeker, A. et al.: The Vega Debris Disc: A view from Herschel, *Astron. Astrophys.* 518 (2010), id.L130.
394. Vandenbussche, B., Sibthorpe, B., Acke, B., Pantin, E., Olofsson, G., Waelkens, C., Dominik, C., Barlow, M.J., Blommaert, J.A.D.L., Bouwman, J. et al.: The β Pictoris disk imaged by Herschel PACS and SPIRE, *Astron. Astrophys.* 518 (2010), id.L133.
395. Lefloch, B., Cabrit, S., Codella, C., Melnick, G., Cernicharo, J., Caux, E., Benedettini, M., Boogert, A., Caselli, P., Ceccarelli, C., Gueth, F., Hily-Blant, P., Lorenzani, A., Neufeld, D., Nisini, B., Pacheco, S., Pagani, L., Pardo, J.R., Parise, B., Salez, M., Schuster, K. et al.: CHESS, Chemical Herschel Surveys of Star Forming Regions: Peering into the Protostellar Shock L1157-B1, *Astron. Astrophys.* 518 (2010), id.L113.

396. Acke, B., Bouwman, J., Juhász, A., Henning, Th., van den Ancker, M.E., Meeus, G., Tielens, A.G.G.M., Waters, L.B.F.M.: Spitzer's View on Aromatic and Aliphatic Hydrocarbon Emission in Herbig Ae Stars, *Astrophys. J.* 718 (2010), 558-574.
397. Thalmann, C., Grady, C.A., Goto, M., Wisniewski, J.P., Janson, M., Henning, Th., Fukagawa, M., Honda, M. et al.: Imaging of a Transitional Disk Gap in Reflected Light: Indications of Planet Formation around the Young Solar Analog LkCa 15, *Astron. Astrophys.* 718 (2010), id.L87-L91.
398. Bergfors, C., Brandner, W., Janson, M., Daemgen, S., Geissler, K., Henning, Th., Hippler, S., Hormuth, F., Joergens, V., Koehler, R.: Lucky Imaging Survey for Southern M-Dwarf Binaries, *Astron. Astrophys.* 520 (2010), id.A54.
399. Guedel, M., Lahuis, F., Briggs, K.R., Carr, J., Glassgold, A.E., Henning, Th., Najita, J.R., van Boekel, R., van Dishoeck, E.: On the Origin of [NeII] 12.81 micron Emission from Pre-main Sequence Stars: Disks, Jets, and Accretion, *Astron. Astrophys.* 519 (2010), id.A113.
400. Grady, C.A., Hamaguchi, K., Schneider, G., Stecklum, B., Woodgate, B.E., McCleary, J.E., Williger, G.M., Sitko, M.L., Ménard, F., Henning, Th., Brittain, S., Troutmann, M., Donehew, B., Hines, D., Wisniewski, J.P., Lynch, D.K., Russell, R.W., Rudy, R.J., Day, A.N., Shenoy, A., Wilner, D., Silverstone, M., Bouret, J.-C., Meusinger, H., Clampin, M., Kim, S., Petre, R., Sahu, M., Endres, M., Collins, K.A.: Locating the Accretion Footprint on a Herbig Ae Star: MWC 480, *Astrophys. J.* 719 (2010), 1565-1581.
401. Miller, V.R., Albrow, M.D., Afonso, C., Henning, Th.: 1318 New Variable Stars in a 0.25 square Degree Region of the Galactic Plane, *Astron. Astrophys.* 519 (2010), id.A12.
402. Hughes, A.M., Andrews, S.M., Wilner, D.J., Meyer, M.R., Carpenter, J.M., Qi, C., Hales, A.S., Casassus, S., Hogerheijde, M.R., Mamajek, E.E., Wolf, S., Henning, Th., Silverstone, M.D.: Structure and Composition of Two Transitional Circumstellar Disks in Corona Australis, *Astron. J.* 140 (2010), 887-896.
403. Juhász, A., Bouwman, J., Henning, Th., Acke, B., van den Ancker, M.E., Meeus, G., Dominik, C., Min, M., Tielens, A.G.G.M., Waters, L.B.F.M.: Dust Evolution in Protoplanetary Disks around Herbig Ae/Be Stars - the Spitzer View, *Astrophys. J.* 721 (2010), 431-455.
404. Pagani, L., Steinacker, J., Bacmann, A., Stutz, A., Henning, Th.: The Ubiquity of Micrometer-Sized Dust Grains in the Dense Interstellar Medium, *Science*, 329 (2010), 1622-1624.
405. Lis, D.C., Pearson, J.C., Neufeld, D.A., Schilke, P., Müller, H. S.P., Gupta, H., Bell, T.A., Comito, C., Phillips, T.G., Bergin, E.A. et al.: Herschel/HIFI Discovery of Interstellar Chloronium (H₂Cl⁺), *Astron. Astrophys.* 521 (2010), id.L9.

406. Ceccarelli, C., Bacmann, A., Boogert, A., Caux, E., Dominik, C., Lefloch, B., Lis, D., Schilke, P. et al.: Herschel Spectral Surveys of Star-forming Regions. Overview of the 555-636 GHz range, *Astron. Astrophys.* 521 (2010), id.L22.
407. Emprechtinger, M., Lis, D.C., Bell, T., Phillips, T.G., Schilke, P., Comito, C., Rolffs, R., van der Tak, F., Ceccarelli, C. et al.: The Distribution of Water in the High-mass Star-forming Region NGC 6334 I, *Astron. Astrophys.* 521 (2010), id.L28.
408. Vastel, C., Ceccarelli, C., Caux, E., Coutens, A., Cernicharo, J., Bottinelli, S., Demyck, K., Faure, A. et al.: Ortho-to-para Ratio of Interstellar Heavy Water, *Astron. Astrophys.* 521 (2010), id.L31.
409. Kama, M., Dominik, C., Maret, S., van der Tak, F., Caux, E., Ceccarelli, C., Fuente, A., Crimier, N., Lord, S., Bacmann, A. et al.: The Methanol Lines and Hot Core of OMC2-FIR4, an Intermediate-mass Protostar, with Herschel/HIFI, *Astron. Astrophys.* 521 (2010), id.L39.
410. Bacmann, A., Caux, E., Hily-Blant, P., Parise, B., Pagani, L., Bottinelli, S., Maret, S., Vastel, C., Ceccarelli, C., Cernicharo, J. et al.: First Detection of ND in the Solar-mass Protostar IRAS16293-2422, *Astron. Astrophys.* 521 (2010), id.L42.
411. van der Wiel, M.H.D., van der Tak, F.F.S., Lis, D.C., Bell, T., Bergin, E.A., Comito, C., Emprechtinger, M., Schilke, P., Caux, E., Ceccarelli, C. et al.: Herschel/HIFI Observations of Spectrally Resolved Methylidyne Signatures toward the High-mass Star-forming Core NGC 6334I, *Astron. Astrophys.* 521 (2010), id.L43.
412. Hily-Blant, P., Maret, S., Bacmann, A., Bottinelli, S., Parise, B., Caux, E., Faure, A., Bergin, E.A., Blake, G.A., Castets, A. et al.: Nitrogen Hydrides in the Cold Envelope of IRAS 16293-2422, *Astron. Astrophys.* 521 (2010), id.L52.
413. Kuiper, R., Klahr, H., Beuther, H., Henning, Th.: Circumventing the Radiation Pressure Barrier in the Formation of Massive Stars via Disk Accretion, *Astrophys. J.* 722 (2010), 1556-1576.
414. Follert, R., Linz, H., Stecklum, B., van Boekel, R., Henning, Th., Feldt, M., Herbst, T. M., Leinert, Ch.: Mid-infrared interferometry of massive young stellar objects. II. Evidence for a circumstellar disk surrounding the Kleinmann-Wright object, *Astron. Astrophys.* 522 (2010), id.A17.
415. Lendl, M., Afonso, C., Koppenhoefer, J., Nikolov, N., Henning, Th., Swain, M., Greiner, J.: New parameters and Transit Timing Studies for OGLE2-TR-L9 b, *Astron. Astrophys.* 522 (2010), id.A29.
416. Semenov, D., Hersant, F., Wakelam, V., Dutrey, A., Chapillon, E., Guilloteau, St., Henning, Th., Launhardt, R., Piétu, V., Schreyer, K.: Chemistry in Disks. IV. Benchmarking Gas-grain Chemical Models with Surface Reactions, *Astron. Astrophys.* 522 (2010), id.A42.

417. Bouwman, J., Lawson, W.A., Juhász, A., Dominik, C., Feigelson, E.D., Henning, Th., Tielens, A.G.G.M., Waters, L.B.F.M.: The Protoplanetary Disk around the M4 Star RECX 5: Witnessing the Influence of Planet Formation? *Astrophys. J.* 723 (2010), L243-L247.
418. Stumpf, M.B., Brandner, W., Joergens, V., Henning, Th., Bouy, H., Köhler, R., Kasper, M.: The Search for Planetary Mass Companions to Field Brown Dwarfs with HST/NICMOS, *Astrophys. J.* 724, (2010), 1-11.
419. Buenzli, E., Thalmann, C., Vigan, A., Boccaletti, A., Chauvin, G., Augereau, J.C., Meyer, M.R., Ménard, F., Desidera, S., Messina, S., Henning, Th., Carson, J., Montagnier, G., Beuzit, J.L., Bonavita, M., Eggenberger, A., Lagrange, A.M., Mesa, D., Mouillet, D., Quanz, S.P.: Dissecting the Moth: Discovery of an Off-centered Ring in the HD 61005 Debris Disk with High-resolution Imaging, *Astron. Astrophys.* 524 (2010), id.L1.
420. Schmalzl, M., Kainulainen, J., Quanz, S.P., Alves, J., Goodman, Alyssa A., Henning, Th., Launhardt, R., Pineda, J.E., Román-Zúñiga, Carlos G.: Star Formation in the Taurus Filament L1495: From Dense Cores to Stars, *Astrophys. J.* 725 (2010), 1327-1336.
421. Setiawan, J., Klement, R.J., Henning, Th., Rix, H.-W., Rochau, B., Rodmann, J., Schulz-Hartung, T.: A Giant Planet around a Metal-poor Star of Extragalactic Origin, *Science Express* 330 (2010), 1642-2010.
422. Birnstiel, T., Ricci, L., Trotta, F., Dullemond, C.P., Natta, A., Testi, L., Dominik, C., Henning, Th., Ormel, C.W., Zsom, A.: Testing the Theory of Grain Growth and Fragmentation by Millimeter Observations of Protoplanetary Disks, *Astron. Astrophys.* 516 (2010), id.L14.
423. Brack, A. Horneck, G. Cockell, C.S., Bérces, A., Belisheva, N.K., Eiroa, C., Henning, Th., Herbst, T., Kaltenegger, L., Léger, A. et al.: Origin and Evolution of Life on Terrestrial Planets, *Astrobiology* 10 (2010), 69-76.
424. Dvorak, R., Pilat-Lohinger, E., Bois, E., Schwarz, R., Funk, B., Beichman, C., Danchi, W., Eiroa, C., Fridlund, M., Henning, Th., Herbst, T., Kaltenegger, L. et al.: Dynamical Habitability of Planetary Systems, *Astrobiology* 10 (2010), 33-43.
425. Fridlund, M., Eiroa, C., Henning, Th., Herbst, T., Kaltenegger, L., Léger, A., Liseau, R., Lammer, H., Selsis, F., Beichmann, C. et al.: A Roadmap for the Detection and Characterization of other Earths, *Astrobiology* 10 (2010), 113-119.
426. Fridlund, M., Eiroa, C., Henning, Th., Herbst, T., Lammer, H., Léger, A., Liseau, R. Paresce, F., Penny, A., Quirrenbach, A. et al.: The Search for Worlds Like our own, *Astrobiology* 10 (2010), 5-17.
427. Grenfell, J.L., Rauer, H., Selsis, F., Kaltenegger, L., Beichman, C., Danchi, W., Eiroa, C., Fridlund, M., Henning, Th., Herbst, T. et al.: Co-evolution of Atmospheres, Life and Climate, *Astrobiology* 10 (2010), 77-88.

428. Kaltenegger, L., Eiroa, C., Ribas, I., Paresce, F., Leitzinger, M., Odert, P., Hanslmeier, A., Fridlund, M., Lammer, H., Beichman, C., Danchi, W., Henning, Th., Herbst, T. et al.: Stellar Aspects of Habitability - Characterizing Target Stars for Terrestrial Planet-finding Missions, *Astrobiology* 10, (2010) 103-112.
429. Lammer, H., Selsis, F., Chassefiere, E., Breuer, D., Grießmeier, J.-M., Kulikov, Y.N., Erkaev, N.V., Khodachenko, M.L., Biernat, H.K., Leblanc, F. et al.: Geophysical and Atmospheric Evolution of Habitable Planets, *Astrobiology* 10 (2010), 45-68.
430. Narita, N., Kudo, T., Bergfors, C., Nagasawa, M., Thalmann, C., Sato, B., Suzuki, R., Kandori, R., Janson, M., Goto, M., Brandner, W., Ida, S., Abe, L., Carson, J., Egner, S.E., Feldt, M., Golota, T., Guyon, O., Hashimoto, J., Hayano, Y., Hayashi, M., Hayashi, S.S., Henning, Th., Hodapp, K. et al.: Search for Outer Massive Bodies around Transiting Planetary Systems: Candidates of Faint Stellar Companions around HAT-P-7, *PASJ* 62 (2010), 779-786.
431. Swain, M.R., Deroo, P., Griffith, C.A., Tinetti, G., Thatte, A., Vasisht, G., Chen, P., Bouwman, J., Crossfield, I.J., Angerhausen, D., Afonso, C., Henning, Th.: A Ground-based Near-infrared Emission Spectrum of the Exoplanet HD189733b, *Nature* 463 (2010), 637-639.
432. Stumpf, M.B., Geißler, K., Bouy, H., Brandner, W., Goldman, B., Henning, Th.: Resolving the L/T Transition Binary SDSS J2052-1609 AB, *Astron. Astrophys.* 525 (2011), id.A123.
433. Groenewegen, M.A.T. Waelkens, C., Barlow, M. J., Kerschbaum, F., Garcia-Lario, P., Cernicharo, J., Blommaert, J. A. D. L. et al.: MESS (Mass-loss of Evolved StarS), a Herschel Key Program, *Astron. Astrophys.* 526 (2011), id.A162.
434. Goto, M., Regály, Zs., Dullemond, C.P., van den Ancker, M., Brown, J.M., Carmona, A., Pontoppidan, K., Ábrahám, P., Blake, G.A., Fedele, D., Henning, Th., Juhász, A., Kóspál, Á., Mosoni, L., Sicilia-Aguilar, A., Terada, H., van Boekel, R., van Dishoeck, E.F., Usuda, T.: Fundamental Vibrational Transition of CO During the Outburst of EX Lupi in 2008, *Astrophys. J.* 728 (2011), id.5.
435. Janson, M., Carson, J., Thalmann, C., McElwain, M.W., Goto, M., Crepp, J., Wisniewski, J., Abe, L., Brandner, W., Burrows, A. et al.: Near-infrared Multi-Band Photometry of the Substellar Companion GJ 758 B, *Astrophys. J.* 728 (2011), id.85.
436. Moór, A., Pascucci, I., Kóspál, Á., Ábrahám, P., Csengeri, T., Kiss, L. L., Apai, D., Grady, C., Henning, Th., Kiss, Cs., Bayliss, D., Juhász, A., Kovács, J., Szalai, T.: Structure and Evolution of Debris Disks around F-type Stars: I. Observations, Database and Basic Evolutionary Aspects, *Astrophys. J.* 193 (2011), id.4.
437. Wang, Y., Beuther, H., Bik, A., Vasyunina, T., Jiang, Z., Puga, E., Linz, H., Rodon, J.A., Henning, Th., Tamura, T.: Different Evolutionary Stages in the Massive Star Forming Region S255 Complex, *Astron. Astrophys.* 527 (2011), id.A32.

438. Vasyunin, A.I., Wiebe, D.S., Birnstiel, T., Zhukovska, S., Henning, Th., Dullemond, C.P.: Impact of Grain Evolution on the Chemical Structure of Protoplanetary Disks, *Astrophys. J.* 727 (2011), id.A76.
439. Hashimoto, J., Tamura, M., Muto, T., Kudo, T., Fukagawa, M., Fukue, T., Goto, M., Grady, C.A., Henning, Th., Hodapp, K. et al.: Direct Imaging of Fine Structures in Giant Planet-forming Regions of the Protoplanetary Disk around AB Aurigae, *Astrophys. J.* 729 (2011), id.L17.
440. Johansen, A., Klahr, H., Henning, Th.: High-resolution Simulations of Planetesimal Formation in Turbulent Protoplanetary Discs, *Astron. Astrophys.* 529 (2011), id.A62.
441. Gennaro, M., Brandner, W., Stolte, A., Henning, Th.: Mass Segregation and Elongation of the Starburst Cluster Westerlund 1, *MNRAS* 412 (2011), 2469-2488.
442. Vasyunina, T., Linz, H., Henning, Th., Zinchenko, I., Beuther, H., Voronkov, M.: Chemistry in Infrared Dark Clouds, *Astron. Astrophys.* 527 (2011), id.A88.
443. Nguyễn Lu'O'Ng, Q., Motte, F., Schuller, F., Schneider, N., Bontemps, S., Schilke, P., Menten, K.M., Heitsch, F., Wyrowski, F., Carlhoff, P., Bronfman, L., Henning, Th.: W43: The Closest Molecular Complex of the Galactic Bar? *Astron. Astrophys.* 529 (2011), id.A41.
444. Steglich, M., Huisken, F., Dahl, J.E., Carlson, R.M.K., Henning, Th.: Electronic Spectroscopy of FUV-irradiated Diamondoids: A Combined Experimental and Theoretical Study, *Astrophys. J.* 729 (2011), id.91.
445. Kuiper, R., Klahr, H., Beuther, H., Henning, Th.: Three-dimensional Simulation of Massive Star Formation in the Disk Accretion Scenario, *Astrophys. J.* 732 (2011), id.20.
446. Bergfors, C., Brandner, W., Janson, M., Köhler, R., Henning, Th.: VLT/NACO Astrometry of the HR8799 Planetary System: L'-band Observations of the Three Outer Planets, *Astron. Astrophys.* 528 (2011), id.A134.
447. Green, J.D., Evans, N.J., II, Kóspál, Á., van Kempen, T.A., Herczeg, G., Quanz, S.P., Henning, Th., Lee, J.-E., Dunham, M.M. et al.: Disentangling the Environment of the FU Orionis Candidate HBC 722 with Herschel, *Astrophys. J.* 731 (2011), id.L25.
448. Thalmann, C., Usuda, T., Kenworthy, M., Janson, M., Mamajek, E.E., Brandner, W., Dominik, C., Goto, M., Hayano, Y., Henning, Th., Hinz, P.M., Minowa, Y., Tamura, M.: Piercing the Glare: A Direct Imaging Search for Planets in the Sirius System, *Astrophys. J.* 732 (2011), id.L34.
449. Gredel, R., Carpentier, Y., Rouillé, G., Steglich, M., Huisken, F., Henning, Th.: Abundances of PAHs in the ISM: Confronting Observations with Experimental Results, *Astron. Astrophys.* 530 (2011), id.A26.

450. Kainulainen, J., Beuther, H., Banerjee, R., Federrath, C., Henning, Th.: Probing the Evolution of Molecular Cloud Structure II: From Chaos to Confinement, *Astron. Astrophys.* 530 (2011), id.A64.
451. Müller, A., van den Ancker, M., Launhardt, R., Pott, J.-U., Fedele, D., Henning, Th.: HD 135344B: a Young Star has Reached its Rotational Limit, *Astron. Astrophys.* 530 (2011), id.A85.
452. Flock, M., Dzyurkevich, N., Klahr, H., Turner, N. J., Henning, Th.: Turbulence and Steady Flows in Three-dimensional Global Stratified Magnetohydrodynamic Simulations of Accretion Disks, *Astrophys. J.* 735 (2011), id.122.
453. Maaskant, K.M., Bik, A., Waters, L.B.F.M., Kaper, L., Henning, Th., Puga, E., Horrobin, M., Kainulainen, J.: Sequential Star Formation in IRAS 06084-0611 (GGD 12-15). From Intermediate-mass to High-mass Stars, *Astron. Astrophys.* 531 (2011), id.A27.
454. Mulders, G.D., Waters, L.B.F.M., Dominik, C., Sturm, B., Bouwman, J., Min, M., Verhoeff, A.P., Acke, B., Augereau, J.C., Evans, N.J., Henning, Th., Meeus, G., Olofsson, J.: Low Abundance, Strong Features: Window-dressing Crystalline Forsterite in the Disk Wall of HD 100546, *Astron. Astrophys.* 531 (2011), id.A93.
455. Wang, W., Boudreault, S., Goldman, B., Henning, Th., Caballero, J.A., Bailer-Jones, C.A.L.: The Substellar Mass Function in the Central Region of the Open Cluster Praesepe from Deep LBT Observations, *Astron. Astrophys.* 531 (2011), id.A164.
456. Roccatagliata, V., Bouwman, J., Henning, Th., Gennaro, Mario, Feigelson, E., Kim, J.S., Sicilia-Aguilar, A., Lawson, W.A.: Disk Evolution in OB Associations - Deep Spitzer/IRAC Observations of IC 1795, *Astrophys. J.* 733 (2011), id.113.
457. Teske, J.K., Najita, J.R., Carr, John S., Pascucci, I., Apai, D., Henning, Th.: Measuring Organic Molecular Emission in Disks with Low Resolution Spitzer Spectroscopy, *Astrophys. J.* 734 (2011), id.27.
458. Akimkin, V.V., Pavlyuchenkov, Y.N., Vasyunin, A.I., Wiebe, D.S., Kirsanova, M.S., Henning, Th.: UV-controlled Physical and Chemical Structure of Protoplanetary Disks. *Astrophysics and Space Science* 335, (2011) 33-38.
459. Beuther, H., Linz, H., Henning, Th., Bik, A., Wyrowski, F., Schuller, F., Schilke, P., Thorwirth, S., Kim, K.-T.: High-mass Star Formation at High Luminosities: W31 at $> 10^6 L_{sun}$, *Astron. Astrophys.* 531 (2011), id.A26.
460. Kóspál, Á., Ábrahám, P., Goto, M., Regály, Zs., Dullemond, C. P., Henning, Th., Juhász, A., Sicilia-Aguilar, A., van den Ancker, M.: Near-infrared Spectroscopy of EX Lupi in Outburst, *Astrophys. J.* 736 (2011), id.72.
461. Uribe, A.L., Klahr, H., Flock, M., Henning, Th.: Three-dimensional Magnetohydrodynamic Simulations of Planet Migration in Turbulent Stratified Disks, *Astrophys. J.* 736 (2011), id.85.

462. Rouillé, G., Steglich, M. Cornelia Jäger, C., Huisken, F., Henning, Th., Theumer, G., Bauer, I., Knölker, H.-J.: Spectroscopy of Dibenzorubicene: Experimental Data for a Search in Interstellar Spectra, *Chem. Phys. Chem.* 12 (2011), 2131-2137.
463. Olczak, C., Spurzem, R., Henning, Th.: A Highly Efficient Measure of Mass Segregation in Star Clusters, *Astron. Astrophys.* 532 (2011), id.A119.
464. Müller, A., Carmona, A., van den Ancker, M.E., van Boekel, R., Henning, Th., Launhardt, R.: HD 144432: A Young Triple System, *Astron. Astrophys.*, 535 (2011), id.L3.
465. Cieza, L.A., Olofsson, J., Harvey, P.M., Pinte, C., Merín B., Augereau, J.-J., Evans, N.J. II, Najita, J., Henning, Th., Ménard, F.: Herschel Observations of the T Cha Transition Disk: Constraining the Outer Disk Properties, *Astrophys. J.* 741 (2011), id.L25.
466. Steglich, M., Bouwman, J., Huisken, F., Henning, Th.: Can Neutral and Ionized Polycyclic Aromatic Hydrocarbons be Carriers of the Ultraviolet Extinction Bump and the Diffuse Interstellar Bands? *Astrophys. J.* 742 (2011), id2.
467. Sicilia-Aguilar, A., Henning, Th., Kainulainen, J., Roccatagliata, V.: Protostars and Stars in the Coronet Cluster: Age, Evolution, and Cluster Structure, *Astrophys. J.* 736 (2011), id.137.
468. Quanz, S.P., Schmid, H.M., Geissler, K., Meyer, M.R., Henning, Th., Brandner, W., Wolf, S.: Very Large Telescope/NACO Polarimetric Differential Imaging of HD100546 - Disk Structure and Dust Grain Properties between 10-140 AU, *Astrophys. J.* 738 (2011), id.23.
469. Gouliermis, D.A., Dolphin, A.E., Robberto, M., Gruendl, R.A., Chu, Y.-H., Gennaro, M., Henning, Th., Rosa, M., Da Rio, N., Brandner, W., Romaniello, M., De Marchi, G., Panagia, N., Zinnecker, H.: Pre-Main-Sequence Stellar Populations across Shapley Constellation III. I. Photometric Analysis and Identification, *Astrophys. J.* 738 (2011), id.137.
470. Beuther, H., Kainulainen, J., Henning, Th., Plume, R., Heitsch, F.: The Coalsack Near and Far, *Astron. Astrophys.* 533 (2011), id.A17.
471. Roccatagliata, V., Ratzka, Th., Henning, Th., Wolf, S., Leinert, Ch., Bouwman, J.: Multi-wavelength Observations of the Young Binary System Haro 6-10: The Case of Misaligned Discs, *Astron. Astrophys.* 534 (2011), id.A33.
472. Zsom, A., Ormel, C.W., Dullemond, C.P., Henning, Th.: The Outcome of Protoplanetary Dust Growth: Pebbles, Boulders, or Planetesimals?. III. Sedimentation Driven Coagulation Inside the Snowline, *Astron. Astrophys.* 534 (2011), id.A73.
473. Moór, A., Ábrahám, P., Juhász, A., Kiss, Cs., Pascucci, I., Kóspál, Á., Apai, D., Henning, Th., Csengeri, T., Grady, C.: Molecular Gas in Young Debris Disks, *Astrophys. J.* 740 (2011), id.L7.

474. Goto, M., Usuda, T., Geballe, T.R., Indriolo, N., McCall, B.J., Henning, Th., Oka, T.: Absorption Line Survey of H_3^+ toward the Galactic Center Sources III. Extent of the Warm and Diffuse Clouds. *PASJ* 63 (2011), L13-L17.
475. Rochau, B., Brandner, W., Stolte, A., Henning, Th., Da Rio, N., Gennaro, M., Hormuth, F., Marchetti, E., Amico, P.: A Benchmark for Multi-conjugated AO: VLT-MAD Observations of the Young Massive Cluster Trumpler 14, *MNRAS* 418 (2011), 949-959.
476. Sicilia-Aguilar, A., Henning, Th., Dullemond, C.P., Patel, N., Juhász, A., Bouwman, J., Sturm, B.: Dust Properties and Disk Structure of Evolved Protoplanetary Disks in Cep OB2: Grain Growth, Settling, Gas and Dust Mass, and Inside-out Evolution, *Astrophys. J.* 742 (2011), id.39.
477. Li, H.-B., Henning, Th.: The Alignment of Molecular Cloud Magnetic Fields with the Spiral Arms in M33, *Nature* 479 (2011), 499-501.
478. Dutrey, A., Wakelam, V., Boehler, Y., Guilloteau, S., Hersant, F., Semenov, D., Chapillon, E., Henning, Th., Piétu, V., Launhardt, R., Gueth, F., Schreyer, K.: CID: Chemistry in Disks VI. sulfur-bearing Molecules in the Protoplanetary Disks Surrounding LkCa15, MWC480, DM Tauri, and GO Tauri, *Astron. Astrophys.* 535 (2011), id.A104.
479. Kainulainen, J., Alves, J., Beuther, H., Henning, Th., Schuller, F.: Mass Reservoirs Surrounding Massive Infrared Dark Clouds: A View by Near-infrared Dust Extinction, *Astron. Astrophys.* 536 (2011), id.A48.
480. Umbreit, S., Spurzem, R., Henning, Th., Klahr, H., Mikkola, S.: Disks around Brown Dwarfs in the Ejection Scenario. I. Disk Collisions in Triple Systems, *Astrophys. J.* 743 (2011), id.106.
481. Thalmann, C., Janson, M., Buenzli, E., Brandt, T.D., Wisniewski, J.P., Moro-Martín, A., Usuda, T., Schneider, G., Carson, J., McElwain, M.W., Grady, C.A., Goto, M., Abe, L., Brandner, W., Dominik, C., Egner, S., Feldt, M., Fukue, T., Golota, T., Guyon, O., Hashimoto, J., Hayano, Y., Hayashi, M., Hayashi, S., Henning, Th., Hodapp, K.W. et al.: Images of the Extended Outer Regions of the Debris Ring around HR 4796 A, *Astrophys. J.* 743 (2011), id.L6.
482. Commerçon, B., Hennebelle, P., Henning, Th.: Collapse of Massive Magnetized Dense Cores Using Radiation-magneto-hydrodynamics: Early Fragmentation Inhibition, *Astrophys. J.* 742 (2011), id.L9.
483. Pitann, J., Hennemann, M., Birkmann, S., Bouwman, J., Krause, O., Henning, Th.: Infrared Spectroscopy of Intermediate Mass Young Stellar Objects, *Astrophys. J.* 743 (2011), id.93.
484. Bik, A., Henning, Th., Stolte, A., Brandner, W., Gouliermis, D.A., Gennaro, M., Pasquali, A., Rochau, B., Beuther, H., Ageorges, N., Seifert, W., Wang, Y., Kudryavtseva, N.: Age Spread in W3 Main: LBT/LUCI Near-infrared Spectroscopy of the Massive Stellar Content, *Astrophys. J.* 744 (2012), id.87.

485. Flock, M., Dzyurkevich, N., Klahr, H., Turner, N., Henning, Th.: Large Scale Azimuthal Structures of Turbulence in Accretion Disks - Dynamo Triggered Variability of Accretion, *Astrophys. J.* 744 (2012), id.144.
486. Juhász, A., Dullemond, C.P., van Boekel, R., Bouwman, J., Ábrahám, P., Acosta-Pulido, J., Henning, Th., Kóspál, Á., Sicilia-Aguilar, A., Jones, A., Moór, A., Mosoni, L., Regály, Z., Szokoly, G., Sipos, N.: The 2008 Outburst of EX Lup - Silicate Crystals in Motion, *Astrophys. J.* 744 (2012), id.118.
487. Marka, C., Schreyer, K., Launhardt, R., Semenov, D.A., Henning, Th.: Tracing the Evolutionary Stage of Bok Globules: CCS and NH₃, *Astron. Astrophys.* 537 (2012), id.A4.
488. Kuiper, R., Klahr, H., Beuther, H., Henning, Th.: On the Stability of Radiation-pressure-dominated Cavities, *Astron. Astrophys.* 537 (2012), id.A122.
489. Harvey, P.M., Henning, Th., Ménard, F., Wolf, S., Liu, Y., Cieza, L.A., Evans, N.J. II., Pascucci, I., Merin, B., Pinte, C.: A Herschel Search For Cold Dust in Brown Dwarf Disks: First Results, *Astron. Astrophys.* 744 (2012), id.L1.
490. Banzatti, A., Meyer, M.R., Bruderer, S., Geers, V., Pascucci, I., Lahuis, F., Juhász, A., Henning, Th., Ábrahám, P.: EX Lupi from Quiescence to Outburst: Exploring the LTE Approach in Modeling Blended H₂O and OH Mid-infrared Emission, *Astrophys. J.* 745 (2012), id.90.
491. Beuther, H., Tackenberg, J., Linz, H., Henning, Th., Krause, O., Ragan, S., Nielbock, M., Launhardt, R., Schmiedeke, A., Schuller, F., Carlhoff, P., Nguyen-Luong, Q., Sakai, T.: The Onset of High-mass Star Formation in the Direct Vicinity of the Galactic Mini-starburst W43, *Astron. Astrophys.* 538 (2012), id.A11.
492. Peter, D., Feldt, M., Henning, Th., Hormuth, F.: Massive Binaries in the Cepheus OB2/3 Region. Constraining the Formation Mechanism of Massive Stars, *Astron. Astrophys.* 538 (2012), id.A74.
493. Quanz, S.P., Birkmann, S.M., Apai, D., Wolf, S., Henning, Th.: Resolving the Inner Regions of the HD 97048 Circumstellar Disk with VLT/NACO Polarimetric Differential Imaging, *Astron. Astrophys.* 538 (2012), id.A92.
494. Goto, M., van der Plas, G., van den Ancker, M., Dullemond, C.P., Carmona, A., Henning, Th., Meeus, G., Linz, H., Stecklum, B.: Warm Gas at 50 AU in the Disk around Herbig Be Star HD 100546, *Astron. Astrophys.* 539 (2012), id.A81.
495. Fang, M., van Boekel, R., King, R.R., Henning, Th., Bouwman, J., Doi, Y., Okamoto, Y.K., Roccatagliata, V., Sicilia-Aguilar, A.: Star Formation and Disk Properties in Pismis 24, *Astron. Astrophys.* 539 (2012), id.A119.
496. Nikolov, N., Henning, Th., Koppenhoefer, J., Lendl, M., Maciejewski, G., Greiner, J.: WASP-4b Transit Observations with GROND, *Astron. Astrophys.* 539 (2012), id.A159.

497. Da Rio, N., Robberto, M., Hillenbrand, L.A., Henning, Th., Stassun, K.G.: The Initial Mass Function of the Orion Nebula Cluster across the H-burning Limit, *Astrophys. J.* 748 (2012), id.14.
498. Beuther, H., Tackenberg, J., Linz, H., Henning, Th., Schuller, F., Wyrowski, F., Schilke, P., Menten, K., Robitaille, T.P., Walmsley, C.M., Bronfman, L., Motte, F., Nguyen-Luong, Q., Bontemps, S.: Galactic Structure Based on the ATLASGAL 870 μ m Survey, *Astrophys. J.* 747 (2012), id.43.
499. Goto, M., Carmona, A., Linz, H., Stecklum, B., Henning, Th., Meeus, G., Usuda, T.: Kinematics of Ionized Gas at 0.01 AU of TW Hya, *Astrophys. J.* 748 (2012), id.6.
500. Gomez, H.L., Clark, C.J.R., Nozawa, T., Krause, O., Gomez, E.L., Matsuura, M., Barlow, M.J., Besel, M.-A., Dunne, L., Gear, W.K., Hargrave, P., Henning, Th., Ivison, R.J., Sibthorpe, B., Swinyard, B.M., Wesson, R.: Dust in Historical Galactic Type Ia Supernova Remnants with Herschel, *MNRAS* 420 (2012), 3557-3573.
501. Acke, B., Min, M., Dominik, C., Vandenbussche, B., Sibthorpe, B., Waelkens, C. et al.: Herschel Images of Fomalhaut. An Extrasolar Kuiper Belt at the Height of its Dynamical Activity, *Astron. Astrophys.* 540 (2012), id.A125.
502. Muto, T., Grady, C.A., Hashimoto, J., Fukagawa, M., Hornbeck, J.B., Sitko, M. et al.: Discovery of Small-scale Spiral Structures in the Disk of SAO 206462 (HD 135344B): Implications for the Physical State of the Disk from Spiral Density Wave Theory, *Astrophys. J.* 748 (2012), id.L22.
503. Windmark, F., Birnstiel, T., Güttler, C., Blum, J., Dullemond, C.P., Henning, Th.: Planetesimal Formation by Sweep-up: How the Bouncing Barrier can be Beneficial to Growth, *Astron. Astrophys.* 540 (2012), id.A73.
504. Tackenberg, J., Beuther, H., Henning, Th., Schuller, F., Wienen, M., Motte, F., Wyrowski, F., Bontemps, S., Bronfman, L., Menten, K., Testi, L., Lefloch, B.: Search for Starless Clumps in the ATLASGAL Survey, *Astron. Astrophys.* 540 (2012), id.A113.
505. Steglich, M., Carpentier, Y., Jäger, C., Huisken, F., Räder, H.-J., Henning, Th.: The Smoothness of the Interstellar Extinction Curve in the UV. Comparison with Recent Laboratory Measurements of PAH Mixtures, *Astron. Astrophys.* 540 (2012), id.A110.
506. Pavlyuchenkov, Ya.N., Wiebe, D.S., Akimkin, V.V., Khramtsova, M.S., Henning, Th.: Stochastic Grain Heating and Mid-infrared Emission in Protostellar Cores, *MNRAS* 421 (2012), 2430-2441.
507. Setiawan, J., Roccatagliata, V., Fedele, D., Henning, Th., Pasquali, A., Rodriguez-Ledesma, M.V., Caffau, E., Seemann, U., Klement, R.J.: Planetary Companions around the Metal-poor Star HIP 11952, *Astron. Astrophys.* 540 (2012), id.A141.

508. Mordasini, C., Alibert, Y., Benz, W., Klahr, H., Henning, T.: Extrasolar Planet Population Synthesis IV. Correlations with Disk Metallicity, Mass and Lifetime, *Astron. Astrophys.* 541 (2012), id.A97.
509. Voshchinnikov, N.V., Henning, Th., Prokopjeva, M.S., Das, H.K.: Interstellar Polarization and Grain Alignment: The Role of Iron and Silicon, *Astron. Astrophys.* 541 (2012), id.A52.
510. Dong, R., Rafikov, R., Zhu, Z., Hartmann, L., Whitney, B., Brandt, T., Muto, T., Hashimoto, J. et al.: The Missing Cavities in the SEEDS Polarized Scattered Light Images of Transitional Protoplanetary Disks: A Generic Disk Model, *Astrophys. J.* 750 (2012), id.161.
511. Kudryavtseva, N., Brandner, W., Gennaro, M., Rochau, B., Stolte, A., Andersen, M., Da Rio, N., Henning, Th., Tognelli, E., Hogg, D., Clark, S., Waters, R.: Instantaneous Starburst of the Massive Clusters Westerlund 1 and NGC 3603 YC, *Astrophys. J.* 750 (2012), id.L44.
512. Rouillé, G., Steglich, M., Carpentier, Y., Jäger, C., Huisken, F., Henning, Th., Czerwonka, R., Theumer, G., Börger, C., Bauer, I., Knölker, H.-J.: On the Relevance of Polyynyl-substituted PAHs to Astrophysics, *Astrophys. J.* 752 (2012), id.25.
513. Chen, X., Arce, H.G., Dunham, M.M., Zhang, Q., Bourke, T.L., Launhardt, R., Schmalzl, M., Henning, Th.: Submillimeter Array and Spitzer Observations of Bok Globule CB 17: A Candidate First Hydrostatic Core? *Astrophys. J.* 751 (2012), id.89.
514. Olofsson, J., Juhász, A., Henning, Th., Mutschke, H., Tamanai, A., Moór, A., Ábrahám, P.: Transient Dust in Warm Debris Disks. Detection of Fe-rich Olivine Grains, *Astron. Astrophys.* 542 (2012), id.A90.
515. Kusakabe, N., Grady, C.A., Sitko, M.L., Hashimoto, J., Kudo, T., Fukagawa, M., Muto, T., Wisniewski, J.P., Min, M., Mayama, S. et al.: High-contrast NIR Polarization Imaging of MWC480, *Astrophys. J.* 753 (2012), id. 153.
516. Biller, B., Lacour, S., Juhász, A., Benisty, M., Chauvin, G., Olofsson, J., Pott, J.-U., Müller, A., Sicilia-Aguilar, A., Bonnefoy, M., Tuthill, P., Thebault, P., Henning, Th., Crida, A.: A Likely Close-in Low-mass Stellar Companion to the Transitional Disk Star HD 142527, *Astrophys. J.* 753 (2012), id. L38.
517. Harvey, P.M., Henning, Th., Liu, Y., Ménard, F., Pinte, C., Wolf, S., Cieza, L.A., Evans, N.J., II, Pascucci, I.: A Herschel Survey of Cold Dust in Disks around Brown Dwarfs and Low-mass Stars, *Astrophys. J.* 755 (2012), id.67.
518. Gennaro, M., Bik, A., Brandner, W., Stolte, A., Rochau, B., Beuther, H., Gouliermis, D., Tackenberg, J., Kudryavtseva, N., Hussmann, B., Schuller, F., Henning, Th.: Multiple Episodes of Star Formation in the CN15/16/17 Molecular Complex, *Astron. Astrophys.* 542 (2012), id.A74.

519. Kóspál, Á., Ábrahám, P., Acosta-Pulido, J.A., Dullemond, C.P., Henning, Th., Kun, M., Leinert, Ch., Moór, A., Turner, N.J.: Mid-Infrared Spectral Variability Atlas of Young Stellar Objects, *Astrophys. J. Suppl. Ser.* 201 (2012), id.11.
520. Joergens, V., Pohl, A., Sicilia-Aguilar, A., Henning, Th.: The Bipolar Outflow and Disk of the Brown Dwarf ISO217, *Astron. Astrophys.* 543 (2012) id.A151.
521. Janson, M., Hormuth, F., Bergfors, C., Brandner, W., Hippler, S., Daemgen, S., Kudryavtseva, N., Schmalzl, E., Schnupp, C., Henning, Th.: The AstraLux Large M-Dwarf Multiplicity Survey, *Astrophys. J.* 754 (2012), id.44.
522. Beuther, H., Linz, H., Henning, Th.: The High-mass Disk Candidates NGC7538IRS1 and NGC7538S, *Astron. Astrophys.* 543 (2012), id.A88.
523. Sicilia-Aguilar, A., Kóspál, Á., Setiawan, J., Ábrahám, P., Dullemond, C.P., Eiroa, C., Goto, M., Henning, Th., Juhász, A.: Optical Spectroscopy of EX Lupi During Quiescence and Outburst: Infall, Wind, and Dynamics in the Accretion Flow, *Astron. Astrophys.* 544 (2012), id.A93.
524. Fedele, D., Bruderer, S., van Dishoeck, E.F., Herczeg, G.J., Evans, N.J., Bouwman, J., Henning, Th., Green, J.: Warm H₂O and OH in the Disk around the Herbig Star HD 163296, *Astron. Astrophys.* 544 (2012), id.L9.
525. Maurya, A., Rastogi, S., Rouillé, G., Huisken, F., Henning, Th.: Experimental and Theoretical Study on the Infrared Spectroscopy of Astrophysically Relevant PAH Derivatives 2- and 9-vinyanthracene, *Astrophys. J.* 755 (2012), id.120.
526. Schulze-Hartung, T., Launhardt, R., Henning, Th.: Bayesian Analysis of Exoplanet and Binary Orbits, Demonstrated Using Astrometric and Radial-velocity Data of Mizar A, *Astron. Astrophys.* 545 (2012), id.A79.
527. Commerçon, B., Launhardt, R., Dullemond, C.P., Henning, Th.: Synthetic Observations of First Hydrostatic Cores in Collapsing Low-mass Dense Cores. I. Spectral Energy Distributions and Evolutionary Sequence, *Astron. Astrophys.* 545 (2012), id.A98.
528. Chapillon, E., Dutrey, A., Guilloteau, S., Pietu, V., Wakelam, V., Hersant, F., Gueth, F., Henning, Th., Launhardt, R., Schreyer, K., Semenov, D.: CID: Chemistry In Disks VII. First Detection of HC₃N in Protoplanetary Disks, *Astrophys. J.* 756 (2012), id.58.
529. Fischer, W., Megeath, S.T., Tobin, J.J., Stutz, A.M., Ali, B., Remming, I., Kounkel, M., Stanke, T., Osorio, M., Henning, Th., Manoj, P., Wilson, T.L.: Multi-Wavelength Observations of V2775 Ori, an Outbursting Protostar in L 1641: Exploring the Edge of the FU Orionis Regime, *Astrophys. J.* 756 (2012), id.99.
530. Tinetti, G., Beaulieu, J.P., Henning, Th., Meyer, M., Micela, G., Ribas, I., Stam, D., Swain, M., Krause, O., Ollivier, M. et al.: EChO - Exoplanet Characterisation Observatory, *Exp. Astron.* 34 (2012) 311-353.

531. Nielbock, M., Launhardt, R., Steinacker, J., Stutz, A.M., Balog, Z., Beuther, H., Bouwman, J., Henning, Th., Hily-Blant, P., Kainulainen, J., Krause, O., Linz, H., Lippok, N., Ragan, S., Risacher, C., Schmiedeke, A.: The Earliest Phases of Star Formation (EPoS) Observed with Herschel: The Dust Temperature and Density Distributions of B68, *Astron. Astrophys.* 547 (2012), id.A11.
532. Ragan, S., Henning, Th., Krause, O., Pitann, J., Beuther, H., Linz, H., Tackenberg, J., Balog, Z., Hennemann, M., Launhardt, R., Lippok, N., Nielbock, M., Schmiedeke, A., Schuller, F., Steinacker, J., Stutz, A., Vasyunina, T.: The Earliest Phases of Star Formation (EPoS): A Herschel Key Program - The Precursors to High-mass Stars and Clusters, *Astron. Astrophys.* 547 (2012), id.A49.
533. Boley, P., Linz, H., van Boekel, R., Bouwman, J., Henning, Th., Sobolev, A.: On the Massive Young Stellar Object AFGL4176: High-spatial-resolution Multi-wavelength Observations and Modeling, *Astron. Astrophys.* 547 (2012), id.A88.
534. Mordasini, C., Alibert, Y., Klahr, H., Henning, Th.: Characterization of Exoplanets from their Formation. I. Models of Combined Planet Formation and Evolution, *Astron. Astrophys.* 547 (2012), id.A111.
535. Mordasini, C., Alibert, Y., Georgy, C., Dittkrist, K.-M., Klahr, H., Henning, Th.: Characterization of Exoplanets from their Formation. II. The Planetary Mass-radius Relationship, *Astron. Astrophys.* 547 (2012), id.A112.
536. Gómez, H.L., Krause, O., Barlow, M.J., Swinyard, B.M., Owen, P.J., Clark, C.J.R., Matsuura, M., Gomez, E.L., Rho, J., Besel, M.-A., Bouwman, J., Gear, W.K., Henning, Th., Ivison, R.J., Polehampton, E.T., Sibthorpe, B.: A Cool Dust Factory in the Crab Nebula: A Herschel Study of the Filaments, *Astrophys. J.* 760 (2012), id.96.
537. Pérez, L., Carpenter, J.M., Chandler, C.J., Isella, A., Andrews, S.M., Ricci, L., Calvet, N., Corder, S.A., Deller, A.T., Dullemond, C.P., Greaves, J.S., Harris, R.J., Henning, Th., Kwon, W., Lazio, J., Linz, H., Mundy, L.G., Sargent, A.I., Storm, S., Testi, L., Wilner, D.J.: Constraints on the Radial Variation of Grain Growth in the AS 209 Circumstellar Disk, *Astrophys. J.* 760 (2012), L17.
538. Guilloteau, S., Dutrey, A., Wakelam, V., Hersant, F., Semenov, D., Chapillon, E., Henning, Th., Piétu, V.: Chemistry in Disks. VIII. The CS Molecule as an Analytic Tracer of Turbulence in Disks. *Astron. Astrophys.* 547 (2012), id.A112.
539. Dong, R., Hashimoto, J., Rafikov, R., Zhu, Z., Whitney, B., Kudo, T., Muto, T., Brandt, T., McClure, M.K., Wisniewski, J. et al.: The Structure of Pre-transitional Protoplanetary Disks I: Radiative Transfer Modeling of the Disk+Cavity in the PDS 70 system, *Astrophys. J.* 760 (2012), id.111.
540. Mayama, S., Hashimoto, J., Muto, T., Tsukagoshi, T., Kusakabe, N., Kuzuhara, M., Takahashi, Y., Kudo, T., Dong, R., Fukagawa, M. et al.: Subaru Imaging of Asymmetric Features in a Transitional Disk in Upper Scorpius, *Astrophys. J.* 760 (2012), id.L26.

541. Commerçon, B., Levrier, F., Maury, A.J., Henning, Th., Launhardt, R.: Synthetic Observations of First Hydrostatic Cores in Collapsing Low-mass Dense Cores II. Simulated ALMA Dust Emission Maps, *Astron. Astrophys.* 548 (2012), id.A39.
542. Flock, M., Henning, Th., Klahr, H.: Turbulence in Weakly-ionized Proto-planetary Disks, *Astron. Astrophys.* 761 (2012), id.95.
543. Cieza, L.A., Olofsson, J., Harvey, P.M., Evans, N.J., II, Najita, J., Henning, Th., Merin, B., Liebhart, A., Gudel, M., Augereau, J.-C., Pinte, C.: The Herschel DIGIT Survey of Weak-line T Tauri Stars: Implications for Disk Evolution and Dissipation, *Astrophys. J.* 760 (2012), id.96.
544. Narita, N., Takahashi, Y.H., Kuzuhara, M., Hirano, T., Suenaga, T., Kandori, R., Kudo, T., Sato, B., Suzuki, R., Ida, S. et al.: A Common Proper Motion Stellar Companion to HAT-P-7, *PASJ.* 64 (2012), id.L7.
545. Bergin, E.-A., Cleeves, L. I., Gorti, U., Zhang, K., Blake, G.-A., Green, J.-D., Andrews, S.-M., Evans, N.-J., II, Henning, Th., Öberg, K. et al.: An Old Disk still Capable of Forming a Planetary System. *Nature* 493 (2013) 644-646.
546. Tanii, R., Itoh, Y., Kudo, T., H., Kioki, T., Oasa, Y., Gupta, R., Sen, A.K., Wisniewski, J.P., Muto, T., Grady, C.A. et al.: High-resolution Near-infrared Polarimetry of a Circumstellar Disk around UX Tau A. *PASJ* 64 (2013), 124.
547. Bakos, G.-Á., Csubry, Z., Penev, K., Bayliss, D., Jordán, A., Afonso, C., Hartman, J. D., Henning, Th., Kovács, G., Noyes, R. W. et al.: HATSouth: A Global Network of Fully Automated Identical Wide-Field Telescopes. *PASP* 25 (2013) 154-182.
548. Albertsson, T., Semenov, D.A., Vasyunin, A.I., Henning, Th., Herbst, E.: New Extended Deuterium Fractionation Model: Assessment at Dense ISM Conditions and Sensitivity Analysis. *Astrophys. J. Sup.* 207 (2013), id.27.
549. Grady, C.A., Muto, T., Hashimoto, J., Fukagawa, M., Currie, T., Biller, B., Thalmann, C., Sitko, M.L., Russell, R., Wisniewski, J. et al.: Spiral Arms in the Asymmetrically Illuminated Disk of MWC 758 and Constraints on Giant Planets. *Astrophys. J.* 762 (2013) id.48.
550. Joergens, V., Herczeg, G., Liu, Y., Pascucci, I., Whelan, E., Alcalá, J., Biazzo, K., Costigan, G., Gully-Santiago, M., Henning, Th., Natta, A., Rigliaco, E., Rodríguez-Ledesma, M. V., Sicilia-Aguilar, A., Tottle, J., Wolf, S.: Disks, Accretion and Outflows of Brown Dwarfs. *Astron. Nach.* 334 (2013), 159-163.
551. Penev, K., Bakos, G.-Á., Bayliss, D., Jordán, A., Mohler, M., Zhou, G., Suc, V., Rabus, M., Hartman, J. D., Mancini, L. et al.: HATS-1b: The First Transiting Planet Discovered by the HATSouth Survey, *Astron. J.* 145 (2013), id.11.
552. Carson, J., Henning, Th., Thalmann, C., Janson, M., Kozakis, T., Bonnefoy, M., Biller, B., Schlieder, J., Currie, T., McElwain, M., Goto, M. et al.: Direct Imaging Discovery of a "Super-Jupiter" around the Late B-type Star κ -And, *Astrophys. J.* 763 (2013), id.L32.

553. Contreras, Y., Schuller, F., Urquhart, J. S., Csengeri, T., Wyrowski, F., Beuther, H., Bontemps, S., Bronfman, L., Henning, Th., Menten, K.M., Schilke, P., Walmsley, C.M., Wienen, M., Tackenberg, J., Linz, H. et al.: ATLASGAL - Compact Source Catalog. *Astron. Astrophys.* 549 (2013), id.A45.
554. Thalmann, C., Janson, M., Buenzli, E., Brandt, T. D., Wisniewski, J. P., Dominik, C., Carson, J., McElwain, M.W., Currie, T., Knapp, G.R. et al.: Imaging Discovery of the Debris Disk around HIP 79977, *Astrophys. J.* 763 (2013), id.L29.
555. Bergfors, C., Brandner, W., Daemgen, S., Biller, B., Hippler, S., Janson, M., Kudryavtseva, N., Geißler, K., Henning, Th., Köhler, R.: Stellar Companions to Exoplanet Host Stars: Lucky Imaging of Transiting Planet Hosts, *MNRAS* 428 (2013), 182-189.
556. Dzyurkevich, N., Turner, N.J., Henning, Th., Kley, W.: Magnetized Accretion and Dead Zones in Protostellar Disks, *Astrophys. J.* 765 (2013), id.114.
557. Launhardt, R., Stutz, A.M., Schmiedeke, A., Henning, Th., Krause, O., Balog, Z., Beuther, H., Birkmann, S., Hennemann, M., Kainulainen, J. et al.: The Earliest Phases of Star Formation - A Herschel Key Project. The Thermal Structure of Low-mass Molecular Cloud Cores, *Astron. Astrophys.* 551 (2013), id.A98.
558. Kóspál, Á., Ábrahám, P., Acosta-Pulido, J. A., Arévalo Morales, M. J., Balog, Z., Carnerero, M. I., Szegedi-Elek, E., Farkas, A., Henning, Th., Kelemen, J., Kovács, T., Kun, M., Marton, G., Mészáros, Sz., Moór, A., Pál, A., Sárneczky, K., Szakáts, R., Szalai, N., Szing, A., Tóth, I., Turner, N. J., Vida, K.: Exploring the Circumstellar Environment of the Young Eruptive Star V2492 Cygni, *Astron. Astrophys.* 551 (2013), id.A62.
559. Sahlmann, J., Henning, Th., Queloz, D., Quirrenbach, A. et al.: The ESPRI project: Astrometric Exoplanet search with PRIMA I. Instrument Description and Performance of First Light Observations, *Astron. Astrophys.* 551 (2013), id.A52.
560. Olofsson, J., Henning, Th., Nielbock, M., Augereau, J.-C., Juhaasz, A., Oliveira, I., Absil, O., Tamanai, Ak.: The Twofold Debris Disk around HD 113766 A - A Warm and Cold Dust as seen with VLTI/Midi and Herschel/Pacs, *Astron. Astrophys.* 551 (2013), id.A134.
561. Tackenberg, J., Beuther, H., Plume, R., Henning, Th., Stil, J., Walmsley, F., Schmiedeke, A.: Triggered/Sequential Star Formation? A Multi-phase ISM Study around the Prominent IRDC G18.93-0.03, *Astron. Astrophys.* 550 (2013), id.A116.
562. Brandt, T.D., McElwain, M.W., Turner, E.L., Abe, L., Brandner, W., Carson, J., Egner, S., Feldt, M., Golota, T., Goto, M. et al.: New Techniques for High-contrast Imaging with ADI: the ACORNS-ADI SEEDS Data Reduction Pipeline, *Astrophys. J.* 764 (2013), id.183.
563. Stutz, A.M., Tobin, J.J., Stanke, T., Megeath, S.T., Fischer, W.J., Robitaille, T., Henning, Th., Ali, B., di Francesco, J., Furlan, E. et al.: A Herschel and APEX Census of the Reddest Sources in Orion: Searching for the Youngest Protostars, *Astrophys. J.* 767 (2013), id.32,36.

564. Follette, K.B., Tamura, M., Hashimoto, J., Whitney, B., Grady, C., Close, L., Andrews, Sean M., Kwon, J., Wisniewski, J., Brandt, T.D. et al.: Mapping H-band Scattered Light Emission in the Mysterious SR21 Transitional Disk, *Astrophys. J.* 767 (2013), id.26.
565. Pitann, J., Linz, H., Ragan, S., Stutz, A.M., Beuther, H., Henning, Th., Karuse, O., Launhardt, R., Schmiedeke, A., Schuller, F. et al.: G048.66-0-29: Physical State of an Isolated Site of Massive Star Formation (2013), *Astrophys. J.* 766 (2013), id.68.
566. Zechmeister, M., Kuerster, M., Endl, M., Lo Curto, G., Hartman, H., Nilsson, H., Henning, Th., Hatzes, A.P., Cochran, W. D.: The planet search programme at the ESO CES and HARPS. IV. The search for Jupiter analogues around solar-like stars. *Astron. Astrophys.* 552 (2013), id.A78.
567. Sicilia-Aguilar, A., Henning, Th., Linz, H., Andre, P., Stutz, A., Eiroa, C., White, G.J.: Protostars, Multiplicity, and Disk Evolution in the Corona Australis Region: A Herschel Gould Belt Study, *Astron. Astrophys.* 551 (2013), id.A34.
568. Cieza, L.A., Olofsson, J., Harvey, P.M., Evans, N.J.II, Najita, J., Henning, Th., Merní, B., Liebhart, A., Güdel, M., Augereau, J.C., Pinte, C.: The Herschel DIGIT Survey of Weak-line T Tauri Stars: Implications for Disk Evolution and Dissipation, *Astrophys. J.* 762 (2013), id.100.
569. Olofsson, J., Benisty, M., Le Bouquin, J.B., Berger, J.P., Lacour, S., Ménard, F., Henning, Th., Crida, A., Burtscher, L., Meeus, G. et al.: Sculpting the Disk around T Chamaeleontis: An Interferometric View, *Astron. Astrophys.* 145 (2013), id.5.
570. Chen, X., Arce, H.G., Zhang, Q., Bourke, T.L., Launhardt, R., Jorgensen, J.K., Lee, C., Foster, J.B., Dunham, M.M., Pineda, J.E., Henning, Th.: SMA Observations of Class 0 Protostars: A High-Angular Resolution Survey of Protostellar Binary Systems, *Astrophys. J.* 768 (2013), id.110.
571. Kainulainen, J., Federrath, C., Henning, Th.: Connection between Dense Gas Mass Fraction, Turbulence Driving, and Star Formation Efficiency of Molecular Clouds, *Astron. Astrophys.* 553 (2013), id.L8.
572. Beuther, H., Linz, H., Tackenberg, J., Henning, Th., Krause, O., Ragan, S., Nielbock, M., Launhardt, R., Bühr, S., Schmiedeke, A., Smith, R., Sakai, T.: Fragmentation and Dynamical Collapse of the Starless High-mass Star-forming Region IRDC 18310-4, *Astron. Astrophys.* 553 (2013) id.A115.
573. Zhang, M., Brandner, W., Wang, H., Gennaro, M., Bik, A., Henning, Th., Gredel, R., Smith, M., Stanke, Th.: Proper Motions of Molecular Hydrogen Outflows in the Ro-Ophiuchi Molecular Cloud, *Astron. Astrophys.* 553 (2013) id.A41.
574. Nikolov, N., Chen, G., Fortney, J.J., Mancini, L., Southworth, J., van Boekel, R., Henning, Th.: Refined Physical Properties and g' , r' , i' , z' , J, H, K Transmission Spectrum of WASP-23b from the Ground, *Astron. Astrophys.* 553 (2013) id.A26.

575. Sturm, B., Bouwman, J., Henning, Th., Evans, N. J., Waters, L.B.F.M., van Dishoeck, E.F., Green, J.D., Olofsson, J., Meeus, G., Maaskant, K., Dominik, C., Augereau, J.C., Mulders, G.D., Acke, B., Merin, B., Herczeg, G.J.: The 69 m Forsterite Band in Spectra of Protoplanetary Disks. Results from the Herschel DIGIT Programme, *Astron. Astrophys.* 553 (2013) id.A5.
576. Mosoni, L., Sipos, N., Ábrahám, P., Moór, A., Kóspál, Á., Henning, Th., Juhász, A., Kun, M., Leinert, Ch., Quanz, S.P., Ratzka, Th., Schegerer, A.A., van Boekel, R., Wolf, S.: Dynamics during Outburst. VLT/IRIS Observations of the Young Eruptive Star V1647 Orionis during its 2003-2006 Outburst, *Astron. Astrophys.* 552 (2013) id.A62.
577. Akimkin, V., Zhukovska, S., Wiebe, D., Semenov, D., Pavlyuchenkov, Ya., Vasyunin, A., Birnstiel, T., Henning, Th.: Protoplanetary Disk Structure with Grain Evolution: The ANDES Model, *Astrophys. J.* 766 (2013), id.8.
578. Mancini, L., Southworth, J., Ciceri, S., Fortney, J.J., Morley, C.V., Dittmann, J.A., Tregloan-Reed, J., Bruni, I., Barbieri, M., Evans, D.F., D'Ago, G., Nikolov, N., Henning, Th.: A Lower Radius and Mass for the Transiting Extrasolar Planet HAT-P-8 b, *Astron. Astrophys.* 551 (2013) id.A11.
579. Wang, W., van Boekel, R., Madhusudhan, N., Chen, G., Zhao, G., Henning, Th.: Ground-based Detections of Thermal Emission from the Dense Hot Jupiter WASP-43b in H and Ks-bands, *Astron. Astrophys.* 770 (2013) id.70.
580. Fang, M., van Boekel, R., Bouwman, J., Henning, Th., Lawson, W.A., Sicilia-Aguilar, A.: Young Stars in Epsilon Cha and their Disks: Disk Evolution in Sparse Associations, *Astron. Astrophys.* 549 (2013), id.A15.
581. Zhukovska, S., Henning, Th.: Dust Input from AGB stars in the Large Magellanic Cloud, *Astron. Astrophys.* 555 (2013), id.A99.
582. Mancini, L., Nikolov, N., Southworth, J., Chen, G., Fortney, J.J., Tregloan-Reed, J., Ciceri, S., van Boekel, R., Henning, Th.: Physical Properties of the WASP-44 Planetary System from Simultaneous Multi-colour Photometry. *MNRAS* 430 (2013), 2932-2942l.
583. Southworth, J., Mancini, L., Browne, P., Burgdorf, M., Calchi Novati, S., Dominik, M., Gerner, T., Hinse, T.C., Jorgensen, U.G., Kains, N. et al.: High-precision Photometry by Telescope Defocussing. V. WASP-15 and WASP-16, *MNRAS*.434 (2013), 1366-1368.
584. Deacon, N.R., Schlieder, J.E., Olofsson, J., Johnston, K.G, Henning, Th.: A Young Hierarchical Triple System Harbours a Candidate Debris Disc, *MNRAS*.434 (2013), 1117-1128.
585. Takami, M., Karr, J.L., Hashimoto, J., Kim, H., Wisniewski, J., Henning, Th., Grady, C.A., Kandori, R., Hodapp, K.W., Kudo, T. et al.: High-contrast Near-infrared Imaging Polarimetry of the Protoplanetary Disk around RY Tau, *Astrophys. J.* 772 (2013), id.145.

586. Green, J.D., Evans, N.J.II, Kóspál, Á., Herczeg, G., Quanz, S.P., Henning, Th., van Kempen, T.A., Lee, J-E., Dunham, M.M., Meeus, G. et al.: An Analysis of the Environments of FU Orionis Objects with Herschel, *Astrophys. J.* 772 (2013), id.117.
587. Janson, M., Brandt, T.D., Moro-Martin, A., Usuda, T., Thalmann, C., Carson, J.C., Goto, M., Currie, T., McElwain, M.W., Itoh, Y. et al.: The SEEDS Direct Imaging Survey for Planets and Scattered Dust Emission in Debris Disk Systems, *Astrophys. J.* 773 (2013), id.73.
588. Albertsson, T., Semenov, D.A., Vasyunin, A.I., Henning, Th., Herbst, E.: New Extended Deuterium Fractionation Model: Assessment at Dense ISM Conditions and Sensitivity Analysis. *Astrophys. J.* 207 (2013), id.27.
589. Fang, M., Kim, J-S., van Boekel, R., Sicilia-Aguilar, A., Henning, Th., Flaherty, K.: Young Stellar Objects in Lynds 1641: Disks, Accretion, and Star Formation History. *Astrophys. J.* 207 (2013), id.5.
590. Uribe, A. L., Klahr, H., Henning, Th.: Accretion of Gas onto Gap-opening Planets and Circumplanetary Flow Structure in Magnetized Turbulent Disks. *Astrophys. J.* 769 (2013), id.97.
591. Kóspál, Á., Moór, A., Juhász, A., Ábrahám, P., Apai, D., Csengeri, T., Grady, C. A., Henning, Th., Hughes, A.M., Kiss, Cs. et al.: ALMA Observations of the Molecular Gas in the Debris Disk of the 30 Myr Old Star HD 21997. *Astrophys. J.* 776 (2013), id.77.
592. Bayliss, D., Zhou, G., Penev, K., Bakos, G., Hartman, J., Jordán, A., Mancini, L., Mohler, M., Suc, V., Rabus, M. et al.: HATS-3b: An Inflated Hot Jupiter Transiting an F-type Star. *Astron. J.* 146 (2013), id. 113.
593. Beuther, H., Linz, H., Henning, Th.: Fragmentation, Infall, and Outflow around the Showcase Massive Protostar NGC 7538 IRS1 at 500 AU Resolution. *Astron. Astrophys.* 558 (2013), id.A81.
594. Boley, Paul A., Linz, H., van Boekel, R., Henning, Th., Feldt, M., Kaper, L., Leinert, C., Müller, A., Pascucci, I., Robberto, M. et al.: The VLTI/MIDI Survey of Massive Young Stellar Objects. Sounding the Inner Regions around Intermediate- and High-mass Young Stars using Mid-infrared Interferometry. *Astron. Astrophys.* 558 (2013), id.A24.
595. Ciceri, S., Mancini, L., Southworth, J., Nikolov, N., Bozza, V., Bruni, I., Calchi Novati, S., D'Ago, G., Henning, Th.: Simultaneous Follow-up of Planetary Transits: Revised Physical Properties for the Planetary Systems HAT-P-16 and WASP-21. *Astron. Astrophys.* 557 (2013), id.A30.
596. Fedele, D., Bruderer, S., van Dishoeck, E.F., Hogerheijde, M.R., Panic, O., Brown, J.M., Henning, Th.: Probing the Radial Temperature Structure of Protoplanetary Disks with Herschel/HIFI. *Astrophys. J.* 776 (2013), id.L3.

597. Kainulainen, J., Ragan, S.E., Henning, Th., Stutz, A.: High-fidelity view of the structure and fragmentation of the High-mass, filamentary IRDC G11.11-0.12, *Astron. Astrophys.* 557 (2013), id. A120.
598. Kuzuhara, M., Tamura, M., Kudo, T., Janson, M., Kandori, R., Brandt, T.D., Thalmann, C., Spiegel, D., Biller, B., Carson, J. et al.: Direct Imaging of a Cold Jovian Exoplanet in Orbit around the Sun-like Star GJ 504. *Astron. J.* 774 (2013), id.11.
599. Müller, A., Roccatagliata, V., Henning, Th., Fedele, D., Pasquali, A., Caffau, E., Rodríguez-Ledesma, M. V., Mohler-Fischer, M., Seemann, U., Klement, R.J.: Re-analysis of the FEROS Observations of HIP 11952. *Astron. Astrophys.* 556 (2013), id.A3.
600. Mancini, L., Ciceri, S., Chen, G., Tregloan-Reed, J., Fortney, J.J., Southworth, J., Tan, T.G., Burgdorf, M., Calchi Novati, S., Dominik, M. et al.: Physical Properties, Transmission and Emission Spectra of the WASP-19 Planetary System from Multi-colour Photometry. *MNRAS*.436 (2013), 2-18.
601. Moór, A., Ábrahám, P., Kóspál, Á., Szabó, Gy. M., Apai, D., Balog, Z., Csengeri, T., Grady, C., Henning, Th., Juhász, A. et al.: A Resolved Debris Disk around the Candidate Planet-hosting Star HD 95086. *Astrophys. J.* 754 (2013), id.L51.
602. Moór, A., Juhász, A., Kóspál, Á., Ábrahám, P., Apai, D., Csengeri, T., Grady, C., Henning, Th., Hughes, A.M., Kiss, Cs. et al.: ALMA Continuum Observations of a 30 Myr Old Gaseous Debris Disk around HD 21997. *Astrophys. J. Letters* 777 (2013), id.L25.
603. Mohler-Fischer, M., Mancini, L., Hartman, J.D., Bakos, G.Ä., Penev, K., Bayliss, D., Jordán, A., Csubry, Z., Zhou, G., Rabus, M. et al.: HATS-2b: A Transiting Extrasolar Planet orbiting a K-type Star showing Starspot Activity. *Astron. Astrophys.* 558 (2013), id.A55.
604. Nguyen-Luong, Q., Motte, F., Carlhoff, P., Louvet, F., Lesaffre, P., Schilke, P., Hill, T., Hennemann, M., Gusdorf, A., Didelon, P. et al.: Low-velocity Shocks Traced by Extended SiO Emission along the W43 Ridges: Witnessing the Formation of Young Massive Clusters. *Astro. J.* 775 (2013), id.88.
605. Sicilia-Aguilar, A., Kim, J.S., Sobolev, A., Getman, K., Henning, Th., Fang, M.: The Low-mass Stellar Population in the Young Cluster Tr 37. Disk Evolution, Accretion, and Environment. *Astron. Astrophys.* 559 (2013), id.A3.
606. Steglich, M., Jäger, C., Huisken, F., Friedrich, M., Plass, W., Räder, H.-J., Müllen, K., Henning, Th.: The Abundances of Hydrocarbon Functional Groups in the Interstellar Medium Inferred from Laboratory Spectra of Hydrogenated and Methylated Polycyclic Aromatic Hydrocarbons. *Astrophys. J. Suppl. Ser.* 208 (2013), id.26.
607. Yamamoto, K., Matsuo, T., Shibai, H., Itoh, Y., Konishi, M., Sudo, J., Tanii, R., Fukagawa, M., Sumi, T., Kudo, T. et al.: Direct Imaging Search for Extrasolar Planets in the Pleiades, *PASJ* 65 (2013), 19.

608. Li, H.B., Fang, M., Henning, Th., Kainulainen, J.: The Link between Magnetic Fields and Filamentary Clouds: Bimodal Cloud Orientations in the Gould Belt. *MNRAS* 436 (2013), 3707-3719.
609. Ninan, J.P., Ojha, D.K., Bhatt, B.C., Ghosh, S.K., Mohan, V., Mallick, K.K., Tamura, M., Henning, Th.: Re-appearance of McNeil's Nebula (V1647 Orionis) and its Outburst Environment. *Astron. J.* 778 (2013), id.116.
610. Manjavacas, E., Goldman, B., Reffert, S., Henning, Th.: Parallax Measurements of Cool Brown Dwarfs. *Astron. Astrophys.* 560 (2013), id.A52.
611. Lippok, N., Launhardt, R., Semenov, D., Stutz, A. M., Balog, Z., Henning, Th., Krause, O., Linz, H., Nielbock, M., Pavlyuchenkov, Ya. N. et al.: Gas-phase CO Depletion and N₂H⁺ Abundances in Starless Cores. *Astron. Astrophys.* 560 (2013), id.A41.
612. Koppenhoefer, J., Saglia, R.P., Fossati, L., Lyubchik, Y., Mugrauer, M., Bender, R., Lee, C.-H., Riffeser, A., Afonso, P., Greiner, J. et al.: A Hot Jupiter Transiting a Mid-K Dwarf found in the Pre-OmegaCam Transit Survey. *MNRAS* 435 (2013), 3133-3147.
613. Biller, B., Crossfield, I., Mancini, L., Ciceri, S., Southworth, J., Kopytova, T., Bonnefoy, M., Deacon, Niall R., Schlieder, J.E., Buenzli, E. et al.: Weather on the Nearest Brown Dwarfs: Resolved Simultaneous Multi-wavelength Variability Monitoring of WISE J104915.57-531906.1AB. *Astrophys. J. Letters.* 778 (2013), id.L10.
614. Janson, M., Brandt, T., Kuzuhara, M., Spiegel, D., Thalmann, C., Currie, T., Bonnefoy, M., Zimmerman, N., Sorahana, S., Kotani, T. et al.: Direct Imaging Detection of Methane in the Atmosphere of GJ 504 b. *Astrophys. J.* 778 (2013), id.L4.
615. Meeus, G., Salyk, C., Bruderer, S., Fedele, D., Maaskant, K., Evans, N.J., van Dishoeck, E.F., Montesinos, B., Herczeg, G., Bouwman, J. et al.: DIGIT Survey of Far-infrared Lines from Protoplanetary Discs. II. CO. *Astron. Astrophys.* 559 (2013), id.A84.
616. Ragan, S.E., Henning, Th., Beuther, H.: APEX/SABOCA Observations of Small-scale Structure of Infrared-dark Clouds. I. Early Evolutionary Stages of Star-forming Cores. *Astron. Astrophys.* 559 (2013), id.A79.
617. Fedele, D., Bruderer, S., van Dishoeck, E.F., Carr, J., Herczeg, G.J., Salyk, C., Evans, N.J., Bouwman, J., Meeus, G., Henning, Th. et al.: DIGIT Survey of Far-infrared Lines from Protoplanetary Disks. I. [O I], [C II], OH, H₂O, and CH⁺. *Astron. Astrophys.* 559 (2013), id.A77.
618. Goldman, B., Röser, S., Schilbach, E., Magnier, E. A., Olczak, C., Henning, Th., Juric, M., Schlafly, E., Chen, W.P., Platais, I. et al.: Towards a Complete Stellar Mass Function of the Hyades. I. Pan-STARRS1 Optical Observations of the Low-mass Stellar Content. *Astron. Astrophys.* 559 (2013), id.A43.

619. Glauser, A.M., van Boekel, R., Krause, O., Henning, Th., Benneke, B., Bouwman, J., Cubillos, P.E., Crossfield, I.J.M., Detre, Ö.H., Ebert, M., Grözing, U. Guedel, M., Harrington, J., Justtanont, K., Klaas, U., Lenzen, R., Madhusudhan, N., Meyer, M.R., Mordasini, C., Mueller, F., Ottensamer, R., Plessier, J.-Y., Quanz, S.P., Reiners, A., Renotte, E., Rohloff, R.-R., Scheithauer, S., Schmid, H.M., Schrader, J.-R., Seemann, U., Stam, D., Vandenbussche, B., Wehmeier, U.: Characterizing Exoplanets in the Visible and Infrared: A Spectrometer Concept for the EChO Space Mission. *J. Astron. Instrumentation*. Vol. 2 (2013), id.1350004.
620. Olofsson, J., Szűcs, L., Henning, Th., Linz, H., Pascucci, I., Joergens, V: The Herschel/PACS View of Disks around Low-mass Stars in Chamaleon-I. *Astron. Astrophys.* 560 (2013), id.A100.
621. Krasnokutski, S. A., Rouillé, G., Jäger, C., Huisken, F., Zhukovska, S., Henning, Th.: Formation of Silicon Oxide Grains at Low Temperature. *Astrophys. J.* 782 (2014), id.15.
622. Crossfield, I.J.M., Biller, B., Schlieder, J.E., Deacon, N.R., Bonnefoy, M., Homeier, D., Allard, F., Buenzli, E., Henning, Th., Brandner, W. et al.: A Global Cloud Map of the Nearest Known Brown Dwarf. *Nature* 505 (2014), 654-656.
623. Zhou, G., Bayliss, D., Hartman, J.D., Bakos, G.A., Penev, K., Csabry, Z., Tan, T.G., Jordán, A., Mancini, L., Rabus, M. et al.: The Mass-Radius Relationship for Very Low Mass Stars: Four New Discoveries from the HATSouth Survey. *MNRAS* 437 (2014), 2831-2844.
624. Sabri, T., Gavilan, L., Jäger, C., Lemaire, J.L, Vidali, G., Mutschke, H., Henning, Th.: Interstellar Silicate Analogs for Grain-surface Reaction Experiments: Gas-phase Condensation and Characterization of the Silicate Dust Grains. *Astrophys. J.* 780 (2014), id.180.
625. Kóspál, Á., Mohler-Fischer, M., Sicilia-Aguilar, A., Ábrahám, P., Curé, M., Henning, Th., Kiss, Cs., Launhardt, R., Moór, A., Müller, A.: Radial Velocity Variations in the Young Eruptive Star EX Lupi. *Astron. Astrophys.* 561 (2014), id.A61.
626. Bik, A., Stolte, A., Gennaro, M., Brandner, W., Gouliermis, D., Hussmann, B., Tognelli, E., Rochau, B., Henning, Th., Adamo, A. et al.: Deep Near-infrared Imaging of W3 Main: Constraints on Stellar Cluster Formation. *Astron. Astrophys.* 561 (2014), id.A12.
627. Panic, O., Ratzka, T., Mulders, G. D., Dominik, C., van Boekel, R., Henning, Th., Jaffe, W. and Min, M.: Resolving HD 100546 Disc in the Mid-infrared: Small Inner Disc and Asymmetry Near the Gap. *Astron. Astrophys.* 562 (2014), id.A101.
628. Bonnefoy, M., Currie, T., Marleau, G-D., Schlieder, J-E., Wisniewski, J., Carson, J., Covey, K-R., Henning, Th., Biller, B., Hinz, P. et al.: Characterization of the Gaseous Companion κ Andromedae b: New Keck and LBTI High-contrast Observations. *Astron. Astrophys.* 562 (2014), id.A111.

629. Lillo-Box, J., Barrado, D., Moya, A., Montesinos, B., Montalbán, J., Bayo, A., Barbieri, M., Régulo, C., Mancini, L., Bouy, H., Henning, Th.: Kepler-91b: A Planet at the End of its Life. Planet and Giant Host Star Properties via Light-curve Variations. *Astron. Astrophys.* 562 (2014), id.A109.
630. Mancini, L., Southworth, J., Ciceri S., Dominik, M., Henning, Th., Jørgensen, U. G., Lanza, A. F., Rabus, M., Snodgrass, C., Vilela, C., Alsubai, K. A., Bozza, V.: Physical Properties and Transmission Spectrum of the WASP-80 Planetary System from Multi-Colour Photometry. *Astron. Astrophys.* 562 (2014), id.A126.
631. Sicilia-Aguilar, A., Roccatagliata, V., Getman, K., Henning, Th., Merin, B., Eiroa, C., Riviere-Marichalar, P., Currie, T.: A Herschel View of IC 1396 A: Unveiling the Different Sequences of Star Formation. *Astron. Astrophys.* 562 (2014), id.A131.
632. Gerner, T., Beuther, H., Semenov, D., Linz, H., Vasyunina, T., Bihl, S., Shirley, Y. L., Henning, Th.: The Chemical Evolution in the Early Phases of Massive Star Formation I. *Astron. Astrophys.* 563 (2014), id.A97.
633. Wang, K., Zhang, Q., Testi, L., Tak van der, F., Wu, Y., Zhang, H., Pillai, T., Wyrowski, F., Carey, S., Ragan, S.E., Henning, Th.: Hierarchical Fragmentation and Differential Star Formation in the Galactic Snake: Infrared Dark Cloud G11.11-0.12. *MNRAS* 439 (2014), 3275-3293.
634. Chen, G., van Boekel, R., Wang, H., Nikolov, N., Fortney, J.-J., Seemann, U., Wang, W., Mancini, L., Henning, Th.: Broad-band Transmission Spectrum and K-band Thermal Emission of WASP-43b as Observed from the Ground. *Astron. Astrophys.* 563 (2014), id.A40.
635. Tsukagoshi, T., Momose, M., Hashimoto, J., Kudo, T., Andrews, S., Saito, M., Kitamura, Y., Ohashi, N., Wilner, D., Kawabe, R. et al.: High-resolution Submillimeter and Near-infrared Studies of the Transition Disk around Sz 91. *Astrophys. J.* 783 (2014), id.90.
636. Wöllert, M., Brandner, W., Reffert, S., Schlieder, J.E., Mohler-Fischer, M., Köhler, R., Henning, Th.: The Young Binary HD 102077: Orbit, Spectral Type, Kinematics, and Moving Group Membership. *Astron. Astrophys.* 564 (2014), id.A10.
637. Chen, G., van Boekel, R., Madhusudhan, N., Wang, H., Nikolov, N., Seemann, U., Henning, Th.: Ground-based Detection of the Near-infrared Emission from the Dayside of WASP-5b. *Astron. Astrophys.* 564 (2014), id.A6.
638. Schlieder, J.E., Bonnefoy, M., Herbst, T.M., Lépine, S., Berger, E., Henning, Th., Skemer, A., Chauvin, G., Rice, E., Biller, B. et al.: Characterization of the Benchmark Binary NLTT 33370. *Astrophys. J.* 783 (2014), id.27.
639. Goto, M., Geballe, T.R., Indriolo, N., Yusef-Zadeh, F., Usuda, T., Henning, Th., Oka, T.: Infrared H_3^+ and CO Studies of the Galactic Core: GCIRS 3 and GCIRS 1W. *Astrophys. J.* 786 (2014), id.96.

640. Andrews, S.M., Chandler, C.J., Isella, A., Birnstiel, T., Rosenfeld, K.A., Wilner, D.J., Pérez, L.M., Ricci, L., Carpenter, J.M., Calvet, N. et al.: Resolved Multifrequency Radio Observations of GG Tau. *Astrophys. J.* 787 (2014), id.148.
641. Albertsson, T., Indriolo, N., Kreckel, H., Semenov, D., Crabtree, K.N., Henning, Th.: First Time-dependent Study of H₂ and H₃⁺ Ortho-Para Chemistry in the Diffuse Interstellar Medium: Observations Meet Theoretical Predictions. *Astrophys. J.* 787 (2014), id.44.
642. Menu, J., van Boekel, R., Henning, Th., Chandler, C.J., Linz, H., Benisty, M., Lacour, S., Min, M., Waelkens, C., Andrews, S.M., Calvet, N., Carpenter, J. M., Corder, S.A., Deller, A.T., Greaves, J.S., Harris, R.J., Isella, A., Kwon, W., Lazio, J., Le Bouquin, J.-B., Ménard, F., Mundy, L.G., Pérez, L.M., Ricci, L., Sargent, A.I., Storm, S., Testi, L., Wilner, D.J.: On the Structure of the Transition Disk around TW Hya. *Astron. Astrophys.* 564 (2014), id.A93.
643. Tackenberg, J., Beuther, H., Henning, Th., Linz, H., Sakai, T., Ragan, S. E., Krause, O., Nielbock, M., Hennemann, M., Pitann, J., Schmiedeke, A.: Kinematic Structure of Massive Star-forming Regions - I. Accretion along Filaments. *Astron. Astrophys.* 565 (2014), id.A101.
644. Zhou, G., Bayliss, D., Penev, K., Bakos, G. Á., Hartman, J.D., Jordán, A., Mancini, L., Mohler-Fischer, M., Csubry, Z., Ciceri, S. et al.: HATS-5b: A Transiting Hot-Saturn from the HATSouth Survey. *Astron. J.* 147 (2014), id.144.
645. Brandt, T.D., Kuzuhara, M., McElwain, M.W., Schlieder, J.E., Wisniewski, J.P., Turner, E.L., Carson, J., Matsuo, T., Biller, B., Bonnefoy, M. et al.: The Moving Group Targets of the SEEDS High-contrast Imaging Survey of Exoplanets and Disks: Results and Observations from the First Three Years. *Astrophys. J.* 786 (2014), id.1.
646. Csengeri, T., Urquhart, J. S., Schuller, F., Motte, F., Bontemps, S., Wyrowski, F., Menten, K. M., Bronfman, L., Beuther, H., Henning, Th., Testi, L., Zavagno, A., Walmsley, M. The ATLASGAL survey: A Catalog of Dust Condensations in the Galactic Plane. *Astron. Astrophys.* 565 (2014), id.A75.
647. Manjavacas, E., Bonnefoy, M., Schlieder, J.E., Allard, F., Rojo, P., Goldman, B., Chauvin, G., Homeier, D., Lodieu, N., Henning, Th.: New Constraints on the Formation and Settling of Dust in the Atmospheres of Young M and L Dwarfs. *Astron. Astrophys.* 564 (2014), id.A65.
648. Kainulainen, J., Federrath, C., Henning, Th.: Unfolding the Laws of Star Formation: The Density Distribution of Molecular Clouds. *Science* 344 (2014), 183-185.
649. Chauvin, G., Vigan, A., Bonnefoy, M., Desidera, S., Bonavita, M., Mesa, D., Boccaletti, A., Buenzli, E., Carson, J., Delorme, P. et al.: The VLT/NaCo Large Program to Probe the Occurrence of Exoplanets and Brown Dwarfs at Wide Orbits: II- Survey Description, Results and Performances. *Astron. Astrophys.* 573 (2014), id.A127.

650. Desidera, S., Covino, E., Messina, S., Carson, J., Hagelberg, J., Schlieder, J. E., Biazzo, K., Alcalá, J. M., Chauvin, G., Vigan, A. et al.: The VLT/NaCo Large Program to Probe the Occurrence of Exoplanets and Brown Dwarfs in Wide Orbits: I- Sample Definition and Characterization. *Astron. Astrophys.* 573 (2014). id.A126.
651. Mordasini, C., Klahr, H., Alibert, Y., Miller, N., Henning, Th.: Grain Opacity and the Bulk Composition of Extrasolar Planets. I. Results from Scaling the ISM Opacity. *Astron. Astrophys.* 566 (2014). id.A141.
652. Pinilla, P., Benisty, M., Birnstiel, T., Ricci, L., Isella, A., Natta, A., Dullemond, C.P., Quiroga-Nuñez, L.H., Henning, Th., Testi, L.: Millimetre Spectral Indices of Transition Disks and their Relation to the Cavity Radius. *Astron. Astrophys.* 564 (2014), id.A51.
653. Thalmann, C., Mulders, G. D., Hodapp, K., Janson, M., Grady, C. A., Min, M., de Juan Ovelar, M., Carson, J., Brandt, T., Bonnefoy, M., McElwain, M. W., Leisenring, J., Dominik, C., Henning, Th., Tamura, M.: The Architecture of the LkCa 15 Transitional Disk Revealed by High-contrast Imaging. *Astron. Astrophys.* 566 (2014), id.A51.
654. Ragan, S.E., Henning, Th., Tackenberg, J., Beuther, H., Johnston, K.G., Kainulainen, J., Linz, H.: Giant Molecular Filaments in the Milky Way. *Astron. Astrophys.* 568 (2014), id.A73.
655. Jordán, A., Brahm, R., Bakos, G. Á., Bayliss, D., Penev, K., Hartman, J. D., Zhou, G., Mancini, L., Mohler-Fischer, M., Ciceri, S. et al.: HATS-4b: A Dense Hot-Jupiter Transiting a Super Metal-Rich G Star. *Astrophys. J.* 148 (2014), id.29.
656. Dittkrist, K.-M., Mordasini, C., Klahr, H., Alibert, Y., Henning, Th.: Impacts of Planet Migration Models on Planetary Populations. Effects of Saturation, Cooling and Stellar Irradiation. *Astron. Astrophys.* 567 (2014), id.A121.
657. Müller, A., Pott, J.-U., Mérand, A., Abuter, R., Delplancke-Ströbele, F., Henning, Th., Köhler, R., Leinert, C., Morel, S., Phan Duc, T., Pozna, E., Ramirez A., Sahlmann, J. and Schmid, C.: Mid-infrared Interferometry with K Band Fringe-tracking. I. The VLTI MIDI+FSU experiment. *Astron. Astrophys.* 567 (2014), id.A98.
658. Balog, Z., Muzerolle, J., Flaherty, K., Detre, Ö. H., Bouwmann, J., Furlan, E., Gutermuth, R., Juhasz, A., Bally, J., Nielbock, M., Klaas, U., Krause, O., Henning, Th., and Marton, G.: The Extraordinary Far-infrared Variation of a Protostar: Herschel/PACS Observations of LRL54361. *Astrophys. J.* 789 (2014), id.L38.
659. Janson, M., Bergfors, C., Brandner, W., Kudryavtseva, N., Hormuth, F., Hippler, S., Henning, Th.: The AstraLux Multiplicity Survey: Extension to Late M-Dwarfs. *Astrophys. J.* 789 (2014), id.102.
660. Biller, B. A., Males, J., Rodigas, T., Morzinski, K., Close, L. M., Juhasz, A., Follette, K. B., Lacour, S., Benisty, M., Sicilia-Aguilar, A., Hinz, P. M., Weinberger, A.,

- Henning, Th., Pott J.-U., Bonnefoy, M. and Köhler, R.: An Enigmatic Point-like Feature within the HD 169142 Transitional Disk. *Astrophys. J.* 792 (2014), id.L22.
661. Brandt, T. D., McElwain, M.W., Turner, E.L., Mede, K., Spiegel, D.S., Kuzuhara, M., Schlieder, J.E., Wisniewski, J.P., Abe, L., Biller, B., Brandner, W. et al.: An Statistical Analysis of SEEDS and other High-contrast Exoplanet Surveys: Massive Planets or Low-mass Brown Dwarfs? *Astrophys. J.* 794 (2014), id.159.
662. Harvey, P. M., Henning, Th., Liu, Y. and Wolf, S.: Herschel Photometry of Disks around Low-mass Stars in the R CrA Cloud. *Astrophys. J.* 795 (2014), id.21.
663. Jin, S., Mordasini, C., Parmentier, V., van Boekel, R., Henning, Th., and Ji, J.: Planetary Population Synthesis Coupled with Atmospheric Escape: A Statistical View of Evaporation. *Astrophys. J.* 795 (2014), id.65.
664. Takami, M., Hasegawa, Y., Muto, T., Gu, P.-G., Dong, R., Karr, J. L., Hashimoto, J., Kusakabe, N., Chapillon, E., Tang, Y.-W. et al.: Surface Geometry of Protoplanetary Disks Inferred from Near-infrared Imaging Polarimetry. *Astrophys. J.* 795 (2014), id.71.
665. Chen, G., van Boekel, R., Wang, H., Nikolov, N., Seemann, U., Henning, Th.: Observed Spectral Energy Distribution of the Thermal Emission from the Dayside of WASP-46b. *Astron. Astrophys.* 567 (2014), id.A8.
666. Johnston, K.G., Beuther, H., Linz, H., Schmiedeke, A., Ragan, S.E., Henning, Th.: The Dynamics and Star-forming Potential of the Massive Galactic Centre Cloud G0.253+0.016. *Astron. Astrophys.* 568 (2014), id.A56.
667. Zapatero Osorio, M. R., Gálvez Ortiz, M. C., Bihain, G., Bailer-Jones, C. A. L., Rebolo, R., Henning, Th., Boudreault, S., Béjar, V. J. S., Goldman, B., Mundt, R. and Caballero, J. A.: Search for Free-floating Planetary-mass Objects in the Pleiades. *Astron. Astrophys.* 568 (2014), id.A77.
668. Malygin, M. G., Kuiper, R., Klahr, H., Dullemond, C. P., Henning, Th.: Mean Gas Opacity for Circumstellar Environments and Equilibrium Temperature Degeneracy. *Astron. Astrophys.* 568 (2014), id.A91.
669. Mancini, L., Southworth, J., Ciceri, S., Calchi Novati, S., Dominik, M., Henning, Th., Jørgensen, U. G., Korhonen, H., Nikolov, N., Alsubai, K. A. et al.: Physical Properties of the WASP-67 Planetary System from Multi-colour Photometry. *Astron. Astrophys.* 568 (2014), id.A127.
670. Lillo-Box, J., Barrado, D., Henning, Th., Mancini, L., Ciceri, S., Figueira, P., Santos, N.C., Aceituno, J. and Sánchez, S.: Radial Velocity Confirmation of Kepler-91 b. Additional Evidence of its Planetary Nature using the Calar Alto/CAFE Instrument. *Astron. Astrophys.* 568 (2014), id.L1.
671. Wu, S.-W., Bik, A., Henning, Th., Pasquali, A., Brandner, W. and Stolte, A.: The Discovery of a Very Massive Star in W49. *Astron. Astrophys.* 568 (2014), id.L13.

672. Schmalzl, M., Launhardt, R., Stutz, A.M., Linz, H., Bourke, T. L., Beuther, H., Henning, Th., Krause, O., Nielbock, M. and Schmiedeke, A.: The Earliest Phases of Star formation (EPoS). Temperature, Density, and Kinematic Structure of the Star-forming Core CB 17. *Astron. Astrophys.* 569 (2014), id.A7.
673. Fang, M., Sicilia-Aguilar, A., Roccatagliata, V., Fedele, D., Henning, Th., Eiroa, C. and Mü, A.: GW Orionis: Inner Disk Readjustments in a Triple System. *Astron. Astrophys.* 570 (2014), id.A118.
674. Beuther, H., Ragan, S. E., Ossenkopf, V., Glover, S., Henning, Th., Linz H., Nielbock M., Krause, O., Stutzki, J., Schilke, P. and Güsten, R.: Carbon in Different Phases ([CII], [CI], and CO) in Infrared Dark Clouds: Cloud Formation Signatures and Carbon Gas Fractions. *Astron. Astrophys.* 571 (2014), id.A53.
675. Zapatero Osorio, M. R., Béjar, V. J. B., Martín, E. L., Gálvez Ortiz, M. C., Rebolo, R., Bihain, G., Henning, Th., Boudreault, S., Goldman, B., Mundt, R., Caballero, J. A. and Miles-Páez, P. A.: Spectroscopic Follow-up of L- and T-type Proper-motion Member Candidates in the Pleiades. *Astron. Astrophys.* 572 (2014), id.A67.
676. Zurlo, A., Vigan, A., Mesa, D., Gratton, R., Moutou, C., Langlois, M., Claudi, R. U., Pueyo, L., Boccaletti, A., Baruffolo, A. et al.: Performance of the VLT Planet Finder SPHERE. I. Photometry and Astrometry Precision with IRDIS and IFS in Laboratory. *Astron. Astrophys.* 572 (2014), id.A85.
677. Thalmann, C., Desidera, S., Bonavita, M., Janson, M., Usuda, T., Henning, Th., Köhler, R., Carson, J., Boccaletti, A., Bergfors, C., Brandner, W., Feldt, M., Goto, M., Klahr, H., Marzari, F. and Mordasini, C.: SPOTS: The Search for Planets Orbiting Two Stars. I. Survey Description and First Observations. *Astron. Astrophys.* 572 (2014), id.A91.
678. Currie, T., Muto, T., Kudo, T., Honda, M., Brandt, T. D., Grady, C., Fukagawa, M., Burrows, A., Janson, M., Kuzuhara, M. et al.: Recovery of the Candidate Protoplanet HD 100546 b with Gemini/NICI and Detection of Additional (planet-induced?) Disk Structure at Small Separations. *Astrophys. J.* 796 (2014), id.L30.
679. Itoh, Y., Oasa, Y., Kudo, T., Kusakabe, N., Hashimoto, J., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S. et al.: Near-infrared Polarimetry of the GG Tauri A Binary System. *Research in Astronomy and Astrophysics* 14 (2014), 1438-1446.
680. Mancini, L., Southworth, J., Ciceri, S., Tregloan-Reed, J., Crossfield, I., Nikolov, N., Bruni, I., Zambelli, R., Henning, Th.: Physical Properties, Star-spot Activity, Orbital Obliquity and Transmission Spectrum of the Qatar-2 Planetary System from Multicolour Photometry. *MNRAS* 443 (2014), 2391-2409.
681. Schneider, G., Grady, C. A., Hines, D. C., Stark, C. C., Debes, J. H., Carson, J., Kuchner, M. J., Perrin, M. D., Weinberger, A. J., Wisniewski, J. P. et al.: Probing for Exoplanets Hiding in Dusty Debris Disks: Disk Imaging, Characterization, and

- Exploration with HST/STIS Multi-roll Coronagraphy. *Astrophys. J.* 148 (2014), id.59.
682. Zhang, M., Wang, H., Henning, Th.: Herbig-Haro Objects and Mid-infrared Outflows in the Vela C Molecular Cloud. *Astrophys. J.* 148 (2014), id.26.
683. Rouillé, G., Jäger, C., Krasnokutski, S. A., Krebsz, M., Henning, Th.: Cold Condensation of Dust in the ISM. *Faraday Discussions* 168 (2014), 449-460.
684. Sadavoy, S. I., Shirley, Y., Di Francesco, J., Henning, Th., Currie, M. J., Andre, Ph., Pezzuto, S.: The Kinematic and Chemical Properties of a Potential Core-Forming Clump: Perseus B1-E. *Astrophys. J.* 806 (2015), id.38.
685. Lillo-Box, J., Barrado, D., Santos, N. C., Mancini, L., Figueira, P., Ciceri, S., Henning, Th.: Kepler-447b: A Hot-Jupiter with an Extremely Grazing Transit. *Astron. Astrophys.* 577 (2015), id.A105.
686. Ciceri, S., Mancini, L., Southworth, J., Bruni, I., Nikolov, N., D'Ago, G., Schroeder, T., Bozza, V., Tregloan-Reed, J., Henning, Th.: Physical Properties of the HAT-P-23 and WASP-48 Planetary Systems from Multi-colour Photometry. *Astron. Astrophys.* 577 (2015), id.A54.
687. Bihr, S., Beuther, H., Linz, H., Ragan, S. E., Hennemann, M., Tackenberg, J., Smith, R. J., Krause, O., Henning, Th.: Kinematic and Thermal Structure at the Onset of High-mass Star Formation. *Astron. Astrophys.* 579 (2015), id.A51.
688. Gerner, Th., Shirley, Y., Beuther, H., Semenov, D., Linz, H., Abertsson, T., Henning, Th.: Chemical Evolution in the Early Phases of Massive Star formation II: Deuteration. *Astron. Astrophys.* 579 (2015), id.A80.
689. Mancini, L., Hartman, J. D., Penev, K., Bakos, G. A., Brahm, R., Ciceri, S., Henning, Th., Csabry, Z., Bayliss, D., Zhou, G. et al.: HATS-13b and HATS-14b: Two Transiting Hot Jupiters from the HATSouth Survey. *Astron. Astrophys.* 580 (2015), id.A63.
690. Mancini, L., Esposito, M., Covino, E., Raia, G., Southworth, J., Tregloan-Reed, J., Biazzo, K., Bonomo, A., Desidera, S., Lanza, A. F. et al.: The GAPS Programme with HARPS-N at TNG VIII: Observations of the Rossiter-McLaughlin Effect and Characterisation of the Transiting Planetary Systems HAT-P-36 and WASP-11/HAT-P-10. *Astron. Astrophys.* 579 (2015), id.A316.
691. Brahm, R., Jordán, A., Hartman, J. D., Bakos, G. Á., Bayliss, D., Penev, K., Zhou, G., Ciceri, S., Rabus, M., Espinoza, N. et al.: HATS-9b and HATS-10b: Two Compact Hot Jupiters in Field 7 of the K2 Mission. *Astrophys. J.* 150 (2015), id.33.
692. Sicilia-Aguilar, A., Roccatagliata, V., Getman, K., Rivière-Marichalar, P., Birnstiel, T., Merín, B., Fang, M., Henning, Th., Eiroa, C., Currie, T.: The Herschel/PACS view of the Cep OB2 region: Global Protoplanetary Disk Evolution and Clumpy Star Formation. *Astron. Astrophys.* 573 (2015), id.A19.

693. Ragan, S. E., Henning, Th., Beuther, H., Linz, H., Zahorecz, S.: Fragmentation and Kinematics of Dense Molecular Cores in the Filamentary Infrared-Dark Cloud G011.11-0.12. *Astron. Astrophys.* 573 (2015), id.A119.
694. Desidera, S., Covino, E., Messina, S., Carson, J., Hagelberg, J., Schlieder, J. E., Biazzo, K., Alcalá, J. M., Chauvin, G., Vigan, A., Beuzit, J. L., Bonavita, M., Bonnefoy, M., Delorme, P., D'Orazi, V., Esposito, M., Feldt, M., Girardi, L., Gratton, R., Henning, Th., Lagrange, A. M., Lanzafame, A. C., Launhardt, R., Marmier, M., Melo, C., Meyer, M., Mouillet, D., Moutou, C., Segransan, D., Udry, S., Zaidi, C. M.: The VLT/NaCo Large Program to Probe the Occurrence of Exoplanets and Brown Dwarfs in Wide Orbits. I. Sample Definition and Characterization. *Astron. Astrophys.* 573 (2015), id.A126.
695. Chauvin, G., Vigan, A., Bonnefoy, M., Desidera, S., Bonavita, M., Mesa, D., Boccaletti, A., Buenzli, E., Carson, J., Delorme, P., Hagelberg, J., Montagnier, G., Mordasini, C., Quanz, S. P., Segransan, D., Thalmann, C., Beuzit, J.-L., Biller, B., Covino, E., Feldt, M., Girard, J., Gratton, R., Henning, Th., Kasper, M., Lagrange, A.-M., Messina, S., Meyer, M., Mouillet, D., Moutou, C., Reggiani, M., Schlieder, J. E., Zurlo, A.: The VLT/NaCo Large Program to Probe the Occurrence of Exoplanets and Brown Dwarfs at Wide Orbits. II. Survey Description, Results, and Performances. *Astron. Astrophys.* 573 (2015), id.A127.
696. Ciceri, S., Lillo-Box, J., Southworth, J., Mancini, L., Henning, Th., Barrado, D.: Kepler-432 b: A Massive Planet in a Highly Eccentric Orbit Transiting a Red Giant. *Astron. Astrophys.* 573 (2015), id.L5.
697. Tobin, J. J., Stutz, A. M., Megeath, S. T., Fischer, W. J., Henning, Th., Ragan, S. E., Ali, B., Stanke, T., Manoj, P., Calvet, N., Hartmann, L.: Characterizing the Youngest Herschel-Detected Protostars. I. Envelope Structure Revealed by CARMA Dust Continuum Observations. *Astrophys. J.* 798 (2015), id.128.
698. Follette, K. B., Grady, C. A., Swearingen, J. R., Sitko, M. L., Champney, E. H., van der Marel, N., Takami, M., Kuchner, M. J., Close, L. M., Muto, T., Mayama, S., McElwain, M. W., Fukagawa, M., Maaskant, K., Min, M., Russell, R. W., Kudo, T., Kusakabe, N., Hashimoto, J., Abe, L., Akiyama, E., Brandner, W., Brandt, T. D., Carson, J., Currie, T., Egner, S. E., Feldt, M., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Henning, Th., Hodapp, K., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Wisniewski, J. P., Yamada, T., Takami, H., Usuda, T., Tamura, M.: SEEDS Adaptive Optics Imaging of the Asymmetric Transition Disk Oph IRS 48 in Scattered Light. *Astrophys. J.* 798 (2015), id.132.
699. Hashimoto, J., Tsukagoshi, T., Brown, J. M., Dong, R., Muto, T., Zhu, Z., Wisniewski, J., Ohashi, N., kudo, T., Kusakabe, N., Abe, L., Akiyama, E., Brandner, W., Brandt, T., Carson, J., Currie, T., Egner, S., Feldt, M., Grady, C. A., Guyon,

- O., Hayano, Y., Hayashi, M., Hayashi, S., Henning, Th., Hodapp, K., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G., Kuzuhara, M., Kwon, J., Matsuo, T., McElwain, M. W., Mayama, S., Mede, K., Miyama, S., Morino, J.-I., Moro-Martín, A., Nishimura, T., Pyo, T.-S., Serabyn, G., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takami, M., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: The Structure of Pre-transitional Protoplanetary Disks. II. Azimuthal Asymmetries, Different Radial Distributions of Large and Small Dust Grains in PDS 70. *Astrophys. J.* 799 (2015), id.43.
700. Ricker, G. R., Winn, J. N., Vanderspek, R., Latham, D. W., Bakos, G. Á., Bean, J. L., Berta-Thompson, Z. K., Brown, T. M., Buchhave, L., Butler, N. R., Butler, R. P., Chaplin, W. J., Charbonneau, D., Christensen-Dalsgaard, J., Clampin, M., Deming, D., Doty, J., De Lee, N., Dressing, C., Dunham, E. W., Endl, M., Fressin, F., Ge, J., Henning, Th., Holman, M. J., Howard, A. W., Ida, S., Jenkins, J. M., Jernigan, G., Johnson, J. A., Kaltenegger, L., Kawai, N., Kjeldsen, H., Laughlin, G., Levine, A. M., Lin, D., Lissauer, J. J., MacQueen, P., Marcy, G., McCullough, P. R., Morton, T. D., Narita, N., Paegert, M., Pallé, E., Pepe, F., Pepper, J., Quirrenbach, A., Rinehart, S. A., Sasselov, D., Sato, B., Seager, S., Sozzetti, A., Stassun, K. G., Sullivan, P., Szentgyorgyi, A., Torres, G., Udry, S., Villaseñor, J.: Transiting Exoplanet Survey Satellite (TESS). *JATIS* 1 (2015), id.014003.
701. Flock, M., Ruge, J. P., Dzyurkevich, N., Henning, Th., Klahr, H., Wolf, S.: Gaps, Rings, and Non-Axisymmetric Structures in Protoplanetary Disks. From Simulations to ALMA Observations. *Astron. Astrophys.* 574 (2015), id.A68.
702. Teague, R., Semenov, D., Guilloteau, S., Henning, Th., Dutrey, A., Wakelam, V., Chapillon, E., Pietu, V.: Chemistry in disks. IX. Observations and Modelling of HCO^+ and DCO^+ in DM Tauri. *Astron. Astrophys.* 574 (2015), id.A137.
703. Grady, C., Fukagawa, M., Maruta, Y., Ohta, Y., Wisniewski, J., Hashimoto, J., Okamoto, Y., Momose, M., Currie, T., McElwain, M., Muto, T., Kotani, T., Kusakabe, N., Feldt, M., Sitko, M., Follette, K., Bonnefoy, M., Henning, Th., Takami, M., Karr, J., Kwon, J., Kudo, T., Abe, L., Brandner, W., Brandt, T., Carson, J., Egner, S., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Hodapp, K., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G., Kuzuhara, M., Matsuo, T., Miyama, S., Morino, J.-I., Moro-Martín, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: The Outer Disks of Herbig Stars from the UV to NIR. *Ap&SS* 355 (2015), 253-266.
704. Moór, A., Kóspál, Á., Ábrahám, P., Apai, D., Balog, Z., Grady, C., Henning, Th., Juhász, A., Kiss, C., Krivov, A. V., Pawellek, N., Szabó, G. M.: Stirring in Massive, Young Debris Discs from Spatially Resolved Herschel Images. *MNRAS* 447 (2015), 577-597.

705. Southworth, J., Mancini, L., Ciceri, S., Budaj, J., Dominik, M., Figuera Jaimes, R., Haugbølle, T., Jørgensen, U. G., Popovas, A., Rabus, M., Rahvar, S., von Essen, C., Schmidt, R. W., Wertz, O., Alsubai, K. A., Bozza, V., Bramich, D. M., Calchi Novati, S., D'Ago, G., Hinse, T. C., Henning, Th., Hundertmark, M., Juncher, D., Korhonen, H., Skottfelt, J., Snodgrass, C., Starkey, D., Surdej, J.: High-Precision Photometry by Telescope Defocusing - VII. The Ultrashort Period Planet WASP-103. *MNRAS* 447 (2015), 711-721.
706. Konishi, M., Shibai, H., Sumi, T., Fukagawa, M., Matsuo, T., Samland, M. S., Yamamoto, K., Sudo, J., Itoh, Y., Arimoto, N., Kajisawa, M., Abe, L., Brandner, W., Brandt, T. D., Carson, J., Currie, T., Egner, S. E., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hashimoto, J., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kudo, T., Kusakabe, N., Kuzuhara, M., Kwon, J., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martín, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, H., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Usuda, T., Watanabe, M., Wisniewski, J. P., Yamada, T., Tamura, M.: Indications of M-Dwarf Deficits in the Halo and Thick Disk of the Galaxy. *PASJ* 67 (2015), id.113.
707. Wöllert, M., Brandner, W., Bergfors, C., Henning, Th.: A Lucky Imaging Search for Stellar Companions to Transiting Planet Host Stars. *Astron. Astrophys.* 575 (2015), id.A23.
708. Sabri, T., Baratta, G. A., Jäger, C., Palumbo, M. E., Henning, Th., Strazzulla, G., Wendler, E.: A Laboratory Study of Ion-Induced Erosion of Ice-Covered Carbon Grains. *Astron. Astrophys.* 575 (2015), id.A76.
709. Sozzetti, A., Bonomo, A. S., Biazzo, K., Mancini, L., Damasso, M., Desidera, S., Gratton, R., Lanza, A. F., Poretti, E., Rainer, M., Malavolta, L., Affer, L., Barbieri, M., Bedin, L. R., Boccato, C., Bonavita, M., Borsa, F., Ciceri, S., Claudi, R. U., Gandolfi, D., Giacobbe, P., Henning, Th., Knapic, C., Latham, D. W., Lodato, G., Maggio, A., Maldonado, J., Marzari, F., Martinez Fiorenzano, A. F., Micela, G., Molinari, E., Mordasini, C., Nascimbeni, V., Pagano, I., Pedani, M., Pepe, F., Piotto, G., Santos, N., Scandariato, G., Shkolnik, E., Southworth, J.: The GAPS programme with HARPS-N at TNG. VI. The Curious Case of TrES-4b. *Astron. Astrophys.* 575 (2015), id.L15.
710. Lillo-Box, J., Barrado, D., Mancini, L., Henning, Th., Figueira, P., Ciceri, S., Santos, N.: Eclipsing Binaries and Fast Rotators in the Kepler Sample. Characterization Via Radial Velocity Analysis from Calar Alto. *Astron. Astrophys.* 576 (2015), id.A88.
711. Mesa, D., Gratton, R., Zurlo, A., Vigan, A., Claudi, R. U., Alberi, M., Antichi, J., Baruffolo, A., Beuzit, J.-L., Boccaletti, A., Bonnefoy, M., Costille, A., Desidera, S., Dohlen, K., Fantinel, D., Feldt, M., Fusco, T., Giro, E., Henning, Th., Kasper, M., Langlois, M., Maire, A.-L., Martinez, P., Moeller-Nilsson, O., Mouillet, D., Moutou, C., Pavlov, A., Puget, P., Salasnich, B., Sauvage, J.-F., Sissa, E., Turatto, M.,

- Udry, S., Vakili, F., Waters, R., Wildi, F.: Performance of the VLT Planet Finder SPHERE. II. Data Analysis and Results for IFS in Laboratory. *Astron. Astrophys.* 576 (2015), id.A121.
712. Maire, A.-L., Skemer, A. J., Hinz, P. M., Desidera, S., Esposito, S., Gratton, R., Marzari, F., Skrutskie, M. F., Biller, B. A., Defrère, D., Bailey, V. P., Leisenring, J. M., Apai, D., Bonnefoy, M., Brandner, W., Buenzli, E., Claudi, R. U., Close, L. M., Crepp, J. R., De Rosa, R. J., Eisner, J. A., Fortney, J. J., Henning, Th., Hofmann, K.-H., Kopytova, T. G., Males, J. R., Mesa, D., Morzinski, K. M., Oza, A., Patience, J., Pinna, E., Rajan, A., Schertl, D., Schlieder, J. E., Su, K. Y. L., Vaz, A., Ward-Duong, K., Weigelt, G., Woodward, C. E.: The LEECH Exoplanet Imaging Survey. Further Constraints on the Planet Architecture of the HR 8799 System. *Astron. Astrophys.* 576 (2015), id.A133.
713. Akiyama, E., Muto, T., Kusakabe, N., Kataoka, A., Hashimoto, J., Tsukagoshi, T., Kwon, J., Kudo, T., Kandori, R., Grady, C. A., Takami, M., Janson, M., Kuzuhara, M., Henning, Th., Sitko, M. L., Carson, J. C., Mayama, S., Currie, T., Thalmann, C., Wisniewski, J., Momose, M., Ohashi, N., Abe, L., Brandner, W., Brandt, T. D., Egner, S., Feldt, M., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Hodapp, K. W., Ishi, M., Iye, M., Knapp, G. R., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, G., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takato, N., Terada, H., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Discovery of a Disk Gap Candidate at 20 AU in TW Hydrae. *Astrophys. J.* 802 (2015), id.L17.
714. Mislis, D., Mancini, L., Tregloan-Reed, J., Ciceri, S., Southworth, J., D'Ago, G., Bruni, I., Baştürk, Ö., Alsubai, K. A., Bachelet, E., Bramich, D. M., Henning, Th., Hinse, T. C., Iannella, A. L., Parley, N., Schroeder, T.: High-Precision Multiband Time Series Photometry of Exoplanets Qatar-1b and TrES-5b. *MNRAS* 448 (2015), 2617-2623.
715. Hartman, J. D., Bayliss, D., Brahm, R., Bakos, G. Á., Mancini, L., Jordán, A., Penev, K., Rabus, M., Zhou, G., Butler, R. P., Espinoza, N., de Val-Borro, M., Bhatti, W., Csubry, Z., Ciceri, S., Henning, Th., Schmidt, B., Arriagada, P., Sheckman, S., Crane, J., Thompson, I., Suc, V., Csák, B., Tan, T. G., Noyes, R. W., Lázár, J., Papp, I., Sári, P.: HATS-6b: A Warm Saturn Transiting an Early M-Dwarf Star, and a Set of Empirical Relations for Characterizing K and M Dwarf Planet Hosts. *Astrophys. J.* 149 (2015), id.166.
716. Crossfield, I. J. M., Petigura, E., Schlieder, J. E., Howard, A. W., Fulton, B. J., Aller, K. M., Ciardi, D. R., Lépine, S., Barclay, T., de Pater, I., de Kler, K., Quintana, E. V., Christiansen, J. L., Schlafly, E., Kaltenegger, L., Crepp, J. R., Henning, Th., Obermeier, C., Deacon, N., Weiss, L. M., Isaacson, H. T., Hansen, B. M. S., Liu, M. C., Greene, T., Howell, S. B., Barman, T., Mordasini, C.: A Nearby M Star with Three Transiting Super-Earths Discovered by K2. *Astrophys. J.* 804 (2015), id.10.

717. Benisty, M., Juhasz, A., Boccaletti, A., Avenhaus, H., Milli, J., Thalmann, C., Dominik, C., Pinilla, P., Buenzli, E., Pohl, A., Beuzit, J.-L., Birnstiel, T., de Boer, J., Bonnefoy, M., Chauvin, G., Christiaens, V., Garufi, A., Grady, C., Henning, Th., Huelamo, N., Isella, A., Langlois, M., Ménard, F., Mouillet, D., Olofsson, J., Pantin, E., Pinte, C., Pueyo, L.: Asymmetric Features in the Protoplanetary Disk MWC 758. *Astron. Astrophys.* 578 (2015), id.L6.
718. de Leon, J., Takami, M., Karr, J. L., Hashimoto, J., Kudo, T., Sitko, M., Mayama, S., Kusakabe, N., Akiyama, E., Liu, H. B., Usuda, T., Abe, L., Brandner, W., Brandt, T. D., Carson, J., Currie, T., Egner, S. E., Feldt, M., Follette, K., Grady, C. A., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Wisniewski, J. P., Yamada, T., Takami, H., Tamura, M.: Near-IR High-resolution Imaging Polarimetry of the SU Aur Disk: Clues for Tidal Tails? *Astrophys. J.* 806 (2015), id.L10.
719. Rieke, G. H., Wright, G. S., Böker, T., Bouwman, J., Colina, L., Glasse, A., Gordon, K. D., Greene, T. P., Güdel, M., Henning, Th., Justtanont, K., Lagage, P.-O., Meixner, M. E., Nørgaard-Nielsen, H.-U., Ray, T. P., Ressler, M. E., van Dishoeck, E. F., Waelkens, C.: The Mid-Infrared Instrument for the James Webb Space Telescope, I: Introduction. *PASP* 127 (2015), 584-594.
720. Wright, G. S., Wright, D., Goodson, G. B., Rieke, G. H., Aitink-Kroes, G., Amiaux, J., Aricha-Yanguas, A., Azzollini, R., Banks, K., Barrado-Navascues, D., Belenguer-Davila, T., Bloemmart, J. A. D. L., Bouchet, P., Brandl, B. R., Colina, L., Detre, Ö., Diaz-Catala, E., Eccleston, P., Friedman, S. D., García-Marín, M., Güdel, M., Glasse, A., Glauser, A. M., Greene, T. P., Groezinger, U., Grundy, T., Hastings, P., Henning, Th., Hofferbert, R., Hunter, F., Jessen, N. C., Justtanont, K., Karnik, A. R., Khorrami, M. A., Krause, O., Labiano, A., Lagage, P.-O., Langer, U., Lemke, D., Lim, T., Lorenzo-Alvarez, J., Mazy, E., McGowan, N., Meixner, M. E., Morris, N., Morrison, J. E., Müller, F., Nørgaard-Nielsen, H.-U., Olofsson, G., O'Sullivan, B., Pel, J.-W., Penanen, K., Petach, M. B., Pye, J. P., Ray, T. P., Renotte, E., Renouf, I., Ressler, M. E., Samara-Ratna, P., Scheithauer, S., Schneider, A., Shaughnessy, B., Stevenson, T., Sukhatme, K., Swinyard, B., Sykes, J., Thatcher, J., Tikkanen, T., van Dishoeck, E. F., Waelkens, C., Walker, H., Wells, M., Zhender, A.: The Mid-Infrared Instrument for the James Webb Space Telescope, II: Design and Build. *PASP* 127 (2015), 595-611.
721. Wells, M., Pel, J.-W., Glasse, A., Wright, G. S., Aitink-Kroes, G., Azzollini, R., Beard, S., Brandl, B. R., Gallie, A., Geers, V. C., Glauser, A. M., Hastings, P., Henning, Th., Jager, R., Justtanont, K., Kruizinga, B., Lahuis, F., Lee, D., Martinez-Delgado, I., Martínez-Galarza, J. R., Meijers, M., Morrison, J. E., Müller, F., Nakos, T., O'Sullivan, B., Oudenhuysen, A., Parr-Burman, P., Pauwels, E., Rohloff, R.-R., Schmalzl, E., Sykes, J., Thelen, M. P., van Dishoeck, E. F., Vandenbussche,

- B., Venema, L. B., Visser, H., Waters, L. B. F. M., Wright, D.: The Mid-Infrared Instrument for the James Webb Space Telescope, VI: The Medium Resolution Spectrometer. *PASP* 127 (2015), 646-664.
722. Sicilia-Aguilar, A., Fang, M., Roccatagliata, V., Collier Cameron, A., Kóspál, Á., Henning, Th., Ábrahám, P., Sipos, N.: Accretion Dynamics of EX Lupi in Quiescence. The Star, the Spot, and the Accretion Column. *Astron. Astrophys.* 580 (2015), id.A82.
723. Bihr, S., Beuther, H., Ott, J., Johnston, K. G., Brunthaler, A., Anderson, L. D., Bigiel, F., Carlhoff, P., Churchwell, E., Glover, S. C. O., Goldsmith, P. F., Heitsch, F., Henning, Th., Heyer, M. H., Hill, T., Hughes, A., Klessen, R. S., Linz, H., Longmore, S. N., McClure-Griffiths, N. M., Menten, K. M., Motte, F., Nguyen-Luong, Q., Plume, R., Ragan, S. E., Roy, N., Schilke, P., Schneider, N., Smith, R. J., Stil, J. M., Urquhart, J. S., Walsh, A. J., Walter, F.: THOR: The H I, OH, Recombination Line Survey of the Milky Way. The Pilot Study: H I Observations of the Giant Molecular Cloud W43. *Astron. Astrophys.* 580 (2015), id.A112.
724. Bayliss, D., Hartman, J. D., Bakos, G. Á., Penev, K., Zhou, G., Brahm, R., Rabus, M., Jordán, A., Mancini, L., de Val-Borro, M., Bhatti, W., Espinoza, N., Csubry, Z., Howard, A. W., Fulton, B. J., Buchhave, L. A., Henning, Th., Schmidt, B., Ciceri, S., Noyes, R. W., Isaacson, H., Marcy, G. W., Suc, V., Lázár, J., Papp, I., Sári, P.: HATS-8b: A Low-density Transiting Super-Neptune. *Astrophys. J.* 150 (2015), id.49.
725. Thalmann, C., Mulders, G. D., Janson, M., Olofsson, J., Benisty, M., Avenhaus, H., Quanz, S. P., Schmid, H. M., Henning, Th., Buenzli, E., Ménard, F., Carson, J. C., Garufi, A., Messina, S., Dominik, C., Leisenring, J., Chauvin, G., Meyer, M. R.: Optical Imaging Polarimetry of the LkCa 15 Protoplanetary Disk with SPHERE ZIMPOL. *Astrophys. J.* 808 (2015), id.L41.
726. Zhou, G., Bayliss, D., Hartman, J. D., Rabus, M., Bakos, G. Á., Jordán, A., Brahm, R., Penev, K., Csubry, Z., Mancini, L., Espinoza, N., de Val-Borro, M., Bhatti, W., Ciceri, S., Henning, Th., Schmidt, B., Murphy, S. J., Butler, R. P., Arriagada, P., Shectman, S., Crane, J., Thompson, I., Suc, V., Noyes, R. W.: A $0.24+0.18 M_{\odot}$ Double-Lined Eclipsing Binary from the HATSouth Survey. *MNRAS* 451 (2015), 2263-2277.
727. Feng, S., Beuther, H., Henning, Th., Semenov, D., Palau, A., Mills, E. A. C.: Resolving the Chemical Substructure of Orion-KL. *Astron. Astrophys.* 581 (2015), id.A71.
728. Abreu-Vicente, J., Kainulainen, J., Stutz, A., Henning, Th., Beuther, H.: Relationship between the Column Density Distribution and Evolutionary Class of Molecular Clouds as viewed by ATLASGAL. *Astron. Astrophys.* 581 (2015), id.A74.
729. Menu, J., van Boekel, R., Henning, Th., Leinert, C., Waelkens, C., Waters, L. B. F. M.: The Structure of Disks around Intermediate-Mass Young Stars from Mid-Infrared

- Interferometry. Evidence for a Population of Group II Disks with Gaps. *Astron. Astrophys.* 581 (2015), id.A107.
730. Beuther, H., Henning, Th., Linz, H., Feng, S., Ragan, S. E., Smith, R. J., Bihr, S., Sakai, T., Kuiper, R.: Hierarchical Fragmentation and Collapse Signatures in a High-mass Starless Region. *Astron. Astrophys.* 581 (2015), id.A119.
731. Rich, E. A., Wisniewski, J. P., Mayama, S., Brandt, T. D., Hashimoto, J., Kudo, T., Kusakabe, N., Espaillat, C., Abe, L., Akiyama, E., Brandner, W., Carson, J. C., Currie, T., Egner, S., Feldt, M., Follette, K., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, T., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Qi, C., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Near-IR Polarized Scattered Light Imagery of the DoAr 28 Transitional Disk. *Astron. J.* 150 (2015), id.86.
732. Rouillé, G., Krasnokutski, S. A., Fulvio, D., Jäger, C., Henning, T., Garcia, G. A., Tang, X.-F., Nahon, L.: Dissociative Photoionization of Polycyclic Aromatic Hydrocarbon Molecules Carrying an Ethynyl Group. *Astrophys. J.* 810 (2015), id.114.
733. Zhukovska, S., Petrov, M., Henning, Th.: Can Star Cluster Environment Affect Dust Input From Massive AGB Stars? *Astrophys. J.* 810 (2015), id.128.
734. Steinacker, J., Andersen, M., Thi, W.-F., Paladini, R., Juvela, M., Bacmann, A., Pelkonen, V.-M., Pagani, L., Lefèvre, C., Henning, Th., Noriega-Crespo, A.: Grain Size Limits Derived from 3.6 μm and 4.5 μm Coreshine. *Astron. Astrophys.* 582 (2015), id.A70.
735. Testi, L., Skemer, A., Henning, Th., Bailey, V., Defrère, D., Hinz, P., Leisenring, J., Vaz, A., Esposito, S., Fontana, A., Marconi, A., Skrutskie, M., Veillet, C.: Hunting for Planets in the HL Tau Disk. *Astrophys. J.* 812 (2015), id.L38.
736. Pohl, A., Pinilla, P., Benisty, M., Ataiee, S., Juhász, A., Dullemond, C. P., Van Boekel, R., Henning, Th.: Scattered Light Images of Spiral Arms in Marginally Gravitationally Unstable Discs with an Embedded Planet. *MNRAS* 453 (2015), 1768-1778.
737. Boccaletti, A., Thalmann, C., Lagrange, A.-M., Janson, M., Augereau, J.-C., Schneider, G., Milli, J., Grady, C., Debes, J., Langlois, M., Mouillet, D., Henning, Th., Dominik, C., Maire, A.-L., Beuzit, J.-L., Carson, J., Dohlen, K., Engler, N., Feldt, M., Fusco, T., Ginski, C., Girard, J. H., Hines, D., Kasper, M., Mawet, D., Ménard, F., Meyer, M. R., Moutou, C., Olofsson, J., Rodigas, T., Sauvage, J.-F., Schlieder, J., Schmid, H. M., Turatto, M., Udry, S., Vakili, F., Vigan, A., Wahhaj, Z., Wisniewski, J.: Fast-Moving Features in the Debris Disk around AU Microscopii. *Nature* 526 (2015), 230-232.

738. Momose, M., Morita, A., Fukagawa, M., Muto, T., Takeuchi, T., Hashimoto, J., Honda, M., Kudo, T., Okamoto, Y. K., Kanagawa, K. D., Tanaka, H., Grady, C. A., Sitko, M. L., Akiyama, E., Currie, T., Follette, K. B., Mayama, S., Kusakabe, N., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S., Feldt, M., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Wisniewski, J., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Detailed Structure of the Outer Disk around HD 169142 with Polarized Light in H-band. *PASJ* 67 (2015), id.8316.
739. Pérez, L. M., Chandler, C. J., Isella, A., Carpenter, J. M., Andrews, S. M., Calvet, N., Corder, S. A., Deller, A. T., Dullemond, C. P., Greaves, J. S., Harris, R. J., Henning, Th., Kwon, W., Lazio, J., Linz, H., Mundy, L. G., Ricci, L., Sargent, A. I., Storm, S., Tazzari, M., Testi, L., Wilner, D. J.: Grain Growth in the Circumstellar Disks of the Young Stars CY Tau and DoAr 25. *Astrophys. J.* 813 (2015), id.41.
740. Mollière, P., van Boekel, R., Dullemond, C., Henning, Th., Mordasini, C.: Model Atmospheres of Irradiated Exoplanets: The Influence of Stellar Parameters, Metallicity, and the C/O Ratio. *Astrophys. J.* 813 (2015), id.47.
741. Bakos, G. Á., Penev, K., Bayliss, D., Hartman, J. D., Zhou, G., Brahm, R., Mancini, L., de Val-Borro, M., Bhatti, W., Jordán, A., Rabus, M., Espinoza, N., Csubry, Z., Howard, A. W., Fulton, B. J., Buchhave, L. A., Ciceri, S., Henning, Th., Schmidt, B., Isaacson, H., Noyes, R. W., Marcy, G. W., Suc, V., Howe, A. R., Burrows, A. S., Lázár, J., Papp, I., Sári, P.: HATS-7b: A Hot Super Neptune Transiting a Quiet K-Dwarf Star. *Astrophys. J.* 813 (2015), id.111.
742. Biller, B. A., Vos, J., Bonavita, M., Buenzli, E., Baxter, C., Crossfield, I. J. M., Allers, K., Liu, M. C., Bonnefoy, M., Deacon, N., Brandner, W., Schlieder, J. E., Dupuy, T., Kopytova, T., Manjavacas, E., Allard, F., Homeier, D., Henning, Th.: Variability in a Young, L/T Transition Planetary-Mass Object. *Astrophys. J.* 813 (2015), id.L23.
743. Moór, A., Henning, Th., Juhász, A., Ábrahám, P., Balog, Z., Kóspál, Á., Pascucci, I., Szabó, G. M., Vavrek, R., Curé, M., Csengeri, T., Grady, C., Güsten, R., Kiss, C.: Discovery of Molecular Gas around HD 131835 in an APEX Molecular Line Survey of Bright Debris Disks. *Astrophys. J.* 814 (2015), id.42.
744. Beuther, H., Ragan, S. E., Johnston, K., Henning, Th., Hacar, A., Kainulainen, J. T.: Filament Fragmentation in High-mass Star Formation. *Astron. Astrophys.* 584 (2015), id.A67.
745. Mancini, L., Giacobbe, P., Littlefair, S. P., Southworth, J., Bozza, V., Damasso, M., Dominik, M., Hundertmark, M., Jørgensen, U. G., Juncher, D., Popovas, A., Rabus, M., Rahvar, S., Schmidt, R. W., Skottfelt, J., Snodgrass, C., Sozzetti, A., Alsubai,

- K., Bramich, D. M., Calchi Novati, S., Ciceri, S., D'Ago, G., Figuera Jaimes, R., Galianni, P., Gu, S.-H., Harpsøe, K., Haugbølle, T., Henning, Th., Hinse, T. C., Kains, N., Korhonen, H., Scarpetta, G., Starkey, D., Surdej, J., Wang, X.-B., Wertz, O.: Rotation Periods and Astrometric Motions of the Luhman 16AB Brown Dwarfs by High-resolution Lucky-Imaging Monitoring. *Astron. Astrophys.* 584 (2015), id.A104.
746. Ninan, J. P., Ojha, D. K., Baug, T., Bhatt, B. C., Mohan, V., Ghosh, S. K., Men'shchikov, A., Anupama, G. C., Tamura, M., Henning, Th.: V899 Mon: An Outbursting Protostar with a Peculiar Light Curve, and Its Transition Phases. *Astrophys. J.* 815 (2015), id.4.
747. Csengeri, T., Weiss, A., Wyrowski, F., Menten, K. M., Urquhart, J. S., Leurini, S., Schuller, F., Beuther, H., Bontemps, S., Bronfman, L., Henning, Th., Schneider, N.: The ATLASGAL survey: Distribution of Cold Dust in the Galactic Plane. Combination with Planck Data. *Astron. Astrophys.* 585 (2016).id.A104.
748. Janson, M., Thalmann, C., Boccaletti, A., Maire, A.-L., Zurlo, A., Marzari, F., Meyer, M. R., Carson, J. C., Augereau, J.-C., Garufi, A., Henning, Th., Desidera, S., Asensio-Torres, R., Pohl, A.: Detection of Sharp Symmetric Features in the Circumbinary Disk around AK Sco. *Astrophys. J.* 816 (2016), id.L1.
749. Liu, H. B., Galván-Madrid, R., Vorobyov, E. I., Kóspál, Á., Rodríguez, L. F., Dunham, M. M., Hirano, N., Henning, Th., Takami, M., Dong, R., Hashimoto, J., Hasegawa, Y., Carrasco-González, C.: Absence of Significant Cool Disks in Young Stellar Objects Exhibiting Repetitive Optical Outbursts. *Astrophys. J.* 816 (2016), id.L29.
750. Manjavacas, E., Goldman, B., Alcalá, J. M., Zapatero-Osorio, M. R., Béjar, V. J. S., Homeier, D., Bonnefoy, M., Smart, R. L., Henning, Th., Allard, F.: Hunting for Brown Dwarf Binaries and Testing Atmospheric Models with X-Shooter. *MNRAS* 455 (2016), 500-505.
751. Boley, P. A., Kraus, S., de Wit, W.-J., Linz, H., van Boekel, R., Henning, Th., Lacour, S., Monnier, J. D., Stecklum, B., Tuthill, P. G.: A Multi-wavelength Interferometric Study of the Massive Young Stellar Object IRAS 13481-6124. *Astron. Astrophys.* 586 (2016), id.A78.
752. Reggiani, M., Meyer, M. R., Chauvin, G., Vigan, A., Quanz, S. P., Biller, B., Bonavita, M., Desidera, S., Delorme, P., Hagelberg, J., Maire, A.-L., Boccaletti, A., Beuzit, J.-L., Buenzli, E., Carson, J., Covino, E., Feldt, M., Girard, J., Gratton, R., Henning, Th., Kasper, M., Lagrange, A.-M., Mesa, D., Messina, S., Montagnier, G., Mordasini, C., Mouillet, D., Schlieder, J. E., Segransan, D., Thalmann, C., Zurlo, A.: The VLT/NaCo large Program to Probe the Occurrence of Exoplanets and Brown Dwarfs at Wide Orbits . III. The Frequency of Brown Dwarfs and Giant Planets as Companions to Solar-Type Stars. *Astron. Astrophys.* 586 (2016), id.A147.

753. Guilloteau, S., Piétu, V., Chapillon, E., Di Folco, E., Dutrey, A., Henning, Th., Semenov, D., Birnstiel, T., Grosso, N.: The Shadow of the Flying Saucer: A Very Low Temperature for Large Dust Grains. *Astron. Astrophys.* 586 (2016), id.L1.
754. Lagrange, A.-M., Langlois, M., Gratton, R., Maire, A.-L., Milli, J., Olofsson, J., Vigan, A., Bailey, V., Mesa, D., Chauvin, G., Boccaletti, A., Galicher, R., Girard, J. H., Bonnefoy, M., Samland, M., Menard, F., Henning, Th., Kenworthy, M., Thalmann, C., Beust, H., Beuzit, J.-L., Brandner, W., Buenzli, E., Cheetham, A., Janson, M., le Coroller, H., Lannier, J., Mouillet, D., Peretti, S., Perrot, C., Salter, G., Sissa, E., Wahhaj, Z., Abe, L., Desidera, S., Feldt, M., Madec, F., Perret, D., Petit, C., Rabou, P., Soenke, C., Weber, L.: A Narrow, Edge-on Disk Resolved around HD 106906 with SPHERE. *Astron. Astrophys.* 586 (2016), id.L8.
755. Skemer, A. J., Morley, C. V., Zimmerman, N. T., Skrutskie, M. F., Leisenring, J., Buenzli, E., Bonnefoy, M., Bailey, V., Hinz, P., Defrère, D., Esposito, S., Apai, D., Biller, B., Brandner, W., Close, L., Crepp, J. R., De Rosa, R. J., Desidera, S., Eisner, J., Fortney, J., Freedman, R., Henning, Th., Hofmann, K.-H., Kopytova, T., Lupu, R., Maire, A.-L., Males, J. R., Marley, M., Morzinski, K., Oza, A., Patience, J., Rajan, A., Rieke, G., Schertl, D., Schlieder, J., Stone, J., Su, K., Vaz, A., Visscher, C., Ward-Duong, K., Weigelt, G., Woodward, C. E.: The LEECH Exoplanet Imaging Survey: Characterization of the Coldest Directly Imaged Exoplanet, GJ 504 b, and Evidence for Superstellar Metallicity. *Astrophys. J.* 817 (2016), id.166.
756. Schlieder, J. E., Skemer, A. J., Maire, A.-L., Desidera, S., Hinz, P., Skrutskie, M. F., Leisenring, J., Bailey, V., Defrère, D., Esposito, S., Strassmeier, K. G., Weber, M., Biller, B. A., Bonnefoy, M., Buenzli, E., Close, L. M., Crepp, J. R., Eisner, J. A., Hofmann, K.-H., Henning, Th., Morzinski, K. M., Schertl, D., Weigelt, G., Woodward, C. E.: The LEECH Exoplanet Imaging Survey: Orbit and Component Masses of the Intermediate-Age, Late-Type Binary NO UMa. *Astrophys. J.* 818 (2016), id.1.
757. Schlieder, J. E., Crossfield, I. J. M., Petigura, E. A., Howard, A. W., Aller, K. M., Sinukoff, E., Isaacson, H. T., Fulton, B. J., Ciardi, D. R., Bonnefoy, M., Ziegler, C., Morton, T. D., Lépine, S., Obermeier, C., Liu, M. C., Bailey, V. P., Baranec, C., Beichman, C. A., Defrère, D., Henning, Th., Hinz, P., Law, N., Riddle, R., Skemer, A.: Two Small Temperate Planets Transiting Nearby M-Dwarfs in K2 Campaigns 0 and 1. *Astrophys. J.* 818 (2016), id.87.
758. Konishi, M., Grady, C. A., Schneider, G., Shibai, H., McElwain, M. W., Nesvold, E. R., Kuchner, M. J., Carson, J., Debes, J. H., Gaspar, A., Henning, Th., Hines, D. C., Hinz, P. M., Jang-Condell, H., Moro-Martín, A., Perrin, M., Rodigas, T. J., Serabyn, E., Silverstone, M. D., Stark, C. C., Tamura, M., Weinberger, A. J., Wisniewski, J. P.: Discovery of an Inner Disk Component around HD 141569 A. *Astrophys. J.* 818 (2016), id.L23.
759. Ciceri, S., Mancini, L., Southworth, J., Lendl, M., Tregloan-Reed, J., Brahm, R., Chen, G., D'Ago, G., Dominik, M., Figuera Jaimes, R., Galianni, P., Harpsøe, K.,

- Hinse, T. C., Jørgensen, U. G., Juncher, D., Korhonen, H., Liebig, C., Rabus, M., Bonomo, A. S., Bott, K., Henning, Th., Jordán, A., Sozzetti, A., Alsubai, K. A., Andersen, J. M., Bajek, D., Bozza, V., Bramich, D. M., Browne, P., Calchi Novati, S., Damerdj, Y., Diehl, C., Elyiv, A., Giannini, E., Gu, S.-H., Hundertmark, M., Kains, N., Penny, M., Popovas, A., Rahvar, S., Scarpetta, G., Schmidt, R. W., Skottfelt, J., Snodgrass, C., Surdej, J., Vilela, C., Wang, X.-B., Wertz, O.: Physical Properties of the Planetary Systems WASP-45 and WASP-46 from Simultaneous Multiband Photometry. *MNRAS* 456 (2016), 990-1002.
760. Obermeier, C., Koppenhoefer, J., Saglia, R. P., Henning, Th., Bender, R., Kodric, M., Deacon, N., Riffeser, A., Burgett, W., Chambers, K. C., Draper, P. W., Flewelling, H., Hodapp, K. W., Kaiser, N., Kudritzki, R.-P., Magnier, E. A., Metcalfe, N., Price, P. A., Sweeney, W., Wainscoat, R. J., Waters, C.: Pan-Planets: Searching for Hot Jupiters around Cool Dwarfs. *Astron. Astrophys.* 587 (2016), id.A49.
761. Vigan, A., Bonnefoy, M., Ginski, C., Beust, H., Galicher, R., Janson, M., Baudino, J.-L., Buenzli, E., Hagelberg, J., D'Orazi, V., Desidera, S., Maire, A.-L., Gratton, R., Sauvage, J.-F., Chauvin, G., Thalmann, C., Malo, L., Salter, G., Zurlo, A., Antichi, J., Baruffolo, A., Baudoz, P., Blanchard, P., Boccaletti, A., Beuzit, J.-L., Carle, M., Claudi, R., Costille, A., Delboulbé, A., Dohlen, K., Dominik, C., Feldt, M., Fusco, T., Gluck, L., Girard, J., Giro, E., Gry, C., Henning, Th., Hubin, N., Hugot, E., Jaquet, M., Kasper, M., Lagrange, A.-M., Langlois, M., Le Mignant, D., Llored, M., Madec, F., Martinez, P., Mawet, D., Mesa, D., Milli, J., Mouillet, D., Moulin, T., Moutou, C., Origné, A., Pavlov, A., Perret, D., Petit, C., Pragt, J., Puget, P., Rabou, P., Rochat, S., Roelfsema, R., Salasnich, B., Schmid, H.-M., Sevin, A., Siebenmorgen, R., Smette, A., Stadler, E., Suarez, M., Turatto, M., Udry, S., Vakili, F., Wahhaj, Z., Weber, L., Wildi, F.: First Light of the VLT Planet Finder SPHERE. I. Detection and Characterization of the Substellar Companion GJ 758 B. *Astron. Astrophys.* 587 (2016), id.A55.
762. Maire, A.-L., Bonnefoy, M., Ginski, C., Vigan, A., Messina, S., Mesa, D., Galicher, R., Gratton, R., Desidera, S., Kopytova, T. G., Millward, M., Thalmann, C., Claudi, R. U., Ehrenreich, D., Zurlo, A., Chauvin, G., Antichi, J., Baruffolo, A., Bazzon, A., Beuzit, J.-L., Blanchard, P., Boccaletti, A., de Boer, J., Carle, M., Cascone, E., Costille, A., De Caprio, V., Delboulbé, A., Dohlen, K., Dominik, C., Feldt, M., Fusco, T., Girard, J. H., Giro, E., Gisler, D., Gluck, L., Gry, C., Henning, Th., Hubin, N., Hugot, E., Jaquet, M., Kasper, M., Lagrange, A.-M., Langlois, M., Le Mignant, D., Llored, M., Madec, F., Martinez, P., Mawet, D., Milli, J., Möller-Nilsson, O., Mouillet, D., Moulin, T., Moutou, C., Origné, A., Pavlov, A., Petit, C., Pragt, J., Puget, P., Ramos, J., Rochat, S., Roelfsema, R., Salasnich, B., Sauvage, J.-F., Schmid, H. M., Turatto, M., Udry, S., Vakili, F., Wahhaj, Z., Weber, L., Wildi, F.: First light of the VLT planet finder SPHERE. II. The Physical Properties and the Architecture of the Young Systems PZ Telescopii and HD 1160 Revisited. *Astron. Astrophys.* 587 (2016), id.A56.
763. Zurlo, A., Vigan, A., Galicher, R., Maire, A.-L., Mesa, D., Gratton, R., Chauvin, G.,

- Kasper, M., Moutou, C., Bonnefoy, M., Desidera, S., Abe, L., Apai, D., Baruffolo, A., Baudoz, P., Baudrand, J., Beuzit, J.-L., Blancard, P., Boccaletti, A., Cantalloube, F., Carle, M., Cascone, E., Charton, J., Claudi, R. U., Costille, A., de Caprio, V., Dohlen, K., Dominik, C., Fantinel, D., Feautrier, P., Feldt, M., Fusco, T., Gigan, P., Girard, J. H., Gisler, D., Gluck, L., Gry, C., Henning, Th., Hugot, E., Janson, M., Jaquet, M., Lagrange, A.-M., Langlois, M., Llored, M., Madec, F., Magnard, Y., Martinez, P., Maurel, D., Mawet, D., Meyer, M. R., Milli, J., Moeller-Nilsson, O., Mouillet, D., Origné, A., Pavlov, A., Petit, C., Puget, P., Quanz, S. P., Rabou, P., Ramos, J., Rousset, G., Roux, A., Salasnich, B., Salter, G., Sauvage, J.-F., Schmid, H. M., Soenke, C., Stadler, E., Suarez, M., Turatto, M., Udry, S., Vakili, F., Wahhaj, Z., Wildi, F., Antichi, J.: First Light of the VLT Planet Finder SPHERE. III. New Spectrophotometry and Astrometry of the HR 8799 Exoplanetary System. *Astron. Astrophys.* 587 (2016), id.A57.
764. Bonnefoy, M., Zurlo, A., Baudino, J. L., Lucas, P., Mesa, D., Maire, A.-L., Vigan, A., Galicher, R., Homeier, D., Marocco, F., Gratton, R., Chauvin, G., Allard, F., Desidera, S., Kasper, M., Moutou, C., Lagrange, A.-M., Antichi, J., Baruffolo, A., Baudrand, J., Beuzit, J.-L., Boccaletti, A., Cantalloube, F., Carbillet, M., Charton, J., Claudi, R. U., Costille, A., Dohlen, K., Dominik, C., Fantinel, D., Feautrier, P., Feldt, M., Fusco, T., Gigan, P., Girard, J. H., Gluck, L., Gry, C., Henning, Th., Janson, M., Langlois, M., Madec, F., Magnard, Y., Maurel, D., Mawet, D., Meyer, M. R., Milli, J., Moeller-Nilsson, O., Mouillet, D., Pavlov, A., Perret, D., Puget, P., Quanz, S. P., Rochat, S., Rousset, G., Roux, A., Salasnich, B., Salter, G., Sauvage, J.-F., Schmid, H. M., Sevin, A., Soenke, C., Stadler, E., Turatto, M., Udry, S., Vakili, F., Wahhaj, Z., Wildi, F.: First Light of the VLT Planet Finder SPHERE. IV. Physical and Chemical Properties of the Planets around HR8799. *Astron. Astrophys.* 587 (2016), id.A58.
765. Bergfors, C., Brandner, W., Bonnefoy, M., Schlieder, J., Janson, M., Henning, Th., Chauvin, G.: Characterization of Close Visual Binaries from the AstraLux Large M-Dwarf Survey. *MNRAS* 456 (2016), 2576-2585.
766. Ciceri, S., Mancini, L., Henning, Th., Bakos, G., Penev, K., Brahm, R., Zhou, G., Hartman, J. D., Bayliss, D., Jordán, A., Csubry, Z., de Val-Borro, M., Bhatti, W., Rabus, M., Espinoza, N., Suc, V., Schmidt, B., Noyes, R., Howard, A. W., Fulton, B. J., Isaacson, H., Marcy, G. W., Butler, R. P., Arriagada, P., Crane, J. D., Shectman, S., Thompson, I., Tan, T. G., Lázár, J., Papp, I., Sari, P.: HATS-15b and HATS-16b: Two Massive Planets Transiting Old G Dwarf Stars. *PASP* 128 (2016), 074401.
767. Mancini, L., Giordano, M., Mollière, P., Southworth, J., Brahm, R., Ciceri, S., Henning, Th.: An Optical Transmission Spectrum of the Transiting Hot Jupiter in the Metal-Poor WASP-98 Planetary System. *MNRAS* (2016), 1053-1061.
768. Pokhrel, R., Gutermuth, R., Ali, B., Megeath, T., Pipher, J., Myers, P., Fischer, W. J., Henning, Th., Wolk, S. J., Allen, L., Tobin, J. J.: A Herschel - SPIRE

Survey of the Mon R2 Giant Molecular Cloud: Analysis of the Gas Column Density Probability Density Function. *MNRAS* (2016), 22-35.

769. Mancini, L., Kemmer, J., Southworth, J., Bott, K., Mollière, P., Ciceri, S., Chen, G., Henning, Th.: An Optical Transmission Spectrum of the Giant Planet WASP-36 b. *MNRAS* 459 (2016), 1393.
770. Chen, X., Arce, H. G., Zhang, Q., Launhardt, R., Henning, Th.: Rotating Bullets from A Variable Protostar. *Astrophys. J.* 824 (2016), 72.
771. Olofsson, J., Samland, M., Avenhaus, H., Caceres, C., Henning, Th., Moór, A., Milli, J., Canovas, H., Quanz, S. P., Schreiber, M. R., Augereau, J.-C., Bayo, A., Bazzon, A., Beuzit, J.-L., Boccaletti, A., Buenzli, E., Casassus, S., Chauvin, G., Dominik, C., Desidera, S., Feldt, M., Gratton, R., Janson, M., Lagrange, A.-M., Langlois, M., Lannier, J., Maire, A.-L., Mesa, D., Pinte, C., Rouan, D., Salter, G., Thalmann, C., Vigan, A.: Azimuthal Asymmetries in the Debris Disk around HD 61005. A Massive Collision of Planetesimals? *Astron. Astrophys.* 591 (2016), A108.
772. Feng, S., Beuther, H., Henning, Th., Semenov, D., Palau, A., Mills, E. A. C.: Resolving the Chemical Substructure of Orion-KL (Corrigendum). *Astron. Astrophys.* 590 (2016), C1.
773. Abreu-Vicente, J., Ragan, S., Kainulainen, J., Henning, Th., Beuther, H., Johnston, K.: Giant Molecular Filaments in the Milky Way. II. The Fourth Galactic Quadrant. *Astron. Astrophys.* 590 (2016), A131.
774. Mancini, L., Lillo-Box, J., Southworth, J., Borsato, L., Gandolfi, D., Ciceri, S., Barrado, D., Brahm, R., Henning, Th.: Kepler-539: A Young Extrasolar System with Two Giant Planets on Wide Orbits and in Gravitational Interaction. *Astron. Astrophys.* 590 (2016), A112.
775. Lacour, S., Biller, B., Cheetham, A., Greenbaum, A., Pearce, T., Marino, S., Tuthill, P., Pueyo, L., Mamajek, E. E., Girard, J. H., Sivaramakrishnan, A., Bonnefoy, M., Baraffe, I., Chauvin, G., Olofsson, J., Juhasz, A., Benisty, M., Pott, J.-U., Sicilia-Aguilar, A., Henning, Th., Cardwell, A., Goodsell, S., Graham, J. R., Hibon, P., Ingraham, P., Konopacky, Q., Macintosh, B., Oppenheimer, R., Perrin, M., Rantakyro, F., Sadakuni, N., Thomas, S.: An M-Dwarf Star in the Transition Disk of Herbig HD 142527. Physical Parameters and Orbital Elements. *Astron. Astrophys.* 590 (2016), A90.
776. Ruge, J. P., Flock, M., Wolf, S., Dzyurkevich, N., Fromang, S., Henning, Th., Klahr, H., Meheut, H.: Gaps, Rings, and Non-axisymmetric Structures in Protoplanetary Disks: Emission from Large Grains. *Astron. Astrophys.* 590 (2016), A17.
777. Wu, S.-W., Bik, A., Bestenlehner, J. M., Henning, Th., Pasquali, A., Brandner, W., Stolte, A.: The Massive Stellar Population of W49: A Spectroscopic Survey. *Astron. Astrophys.* 589 (2016), A16.

778. Oh, D., Hashimoto, J., Tamura, M., Wisniewski, J., Akiyama, E., Currie, T., Mayama, S., Takami, M., Thalmann, C., Kudo, T., Kusakabe, N., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, T., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., Mcelwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takato, N., Terada, H., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T.: Near-infrared Imaging Polarimetry of LkCa 15: A Possible Warped Inner Disks. *PASJ* 68 (2016), L3.
779. Carrasco-González, C., Henning, Th., Chandler, C. J., Linz, H., Pérez, L., Rodríguez, L. F., Galván-Madrid, R., Anglada, G., Birnstiel, T., van Boekel, R., Flock, M., Klahr, H., Macias, E., Menten, K., Osorio, M., Testi, L., Torrelles, J. M., Zhu, Z.: The VLA View of the HL Tau Disk: Disk Mass, Grain Evolution, and Early Planet Formation. *Astrophys. J. Lett.* 821 (2016), L16.
780. Kóspál, Á., Ábrahám, P., Csengeri, T., Gorti, U., Henning, Th., Moór, A., Semenov, D. A., Szűcs, L., Güsten, R.: Cold CO Gas in the Disk of the Young Eruptive Star EX Lup. *Astrophys. J. Lett.* 821 (2016), L4.
781. Brahm, R., Jordán, A., Bakos, G. Á., Penev, K., Espinoza, N., Rabus, M., Hartman, J. D., Bayliss, D., Ciceri, S., Zhou, G., Mancini, L., Tan, T. G., de Val-Borro, M., Bhatti, W., Csabry, Z., Bento, J., Henning, T., Schmidt, B., Rojas, F., Suc, V., Lázár, J., Papp, I., Sári, P.: HATS-17b: A Transiting Compact Warm Jupiter in a 16.3 Day Circular Orbit. *Astron. J.* 151 (2016), 89.
782. Guidi, G., Tazzari, M., Testi, L., de Gregorio-Monsalvo, I., Chandler, C. J., Pérez, L., Isella, A., Natta, A., Ortolani, S., Henning, Th., Corder, S., Linz, H., Andrews, S., Wilner, D., Ricci, L., Carpenter, J., Sargent, A., Mundy, L., Storm, S., Calvet, N., Dullemond, C., Greaves, J., Lazio, J., Deller, A., Kwon, W.: Dust Properties across the CO Snowline in the HD 163296 Disk from ALMA and VLA Observations. *Astron. Astrophys.* 588 (2016), A112.
783. Bihr, S., Johnston, K. G., Beuther, H., Anderson, L. D., Ott, J., Rugel, M., Bigiel, F., Brunthaler, A., Glover, S. C. O., Henning, Th., Heyer, M. H., Klessen, R. S., Linz, H., Longmore, S. N., McClure-Griffiths, N. M., Menten, K. M., Plume, R., Schierhuber, T., Shanahan, R., Stil, J. M., Urquhart, J. S., Walsh, A. J.: Continuum Sources from the THOR Survey between 1 and 2 GHz. *Astron. Astrophys.* 588 (2016), A97.
784. Tazzari, M., Testi, L., Ercolano, B., Natta, A., Isella, A., Chandler, C. J., Pérez, L. M., Andrews, S., Wilner, D. J., Ricci, L., Henning, T., Linz, H., Kwon, W., Corder, S. A., Dullemond, C. P., Carpenter, J. M., Sargent, A. I., Mundy, L., Storm, S., Calvet, N., Greaves, J. A., Lazio, J., Deller, A. T.: Multi-Wavelength Analysis for Interferometric (sub-)mm Observations of Protoplanetary Disks. Radial Constraints on the Dust Properties and the Disk Structure. *Astron. Astrophys.* 588 (2016), A53.

785. Garufi, A., Quanz, S. P., Schmid, H. M., Mulders, G. D., Avenhaus, H., Boccaletti, A., Ginski, C., Langlois, M., Stolker, T., Augereau, J.-C., Benisty, M., Lopez, B., Dominik, C., Gratton, R., Henning, Th., Janson, M., Ménard, F., Meyer, M. R., Pinte, C., Sissa, E., Vigan, A., Zurlo, A., Bazzon, A., Buenzli, E., Bonnefoy, M., Brandner, W., Chauvin, G., Cheetham, A., Cudel, M., Desidera, S., Feldt, M., Galicher, R., Kasper, M., Lagrange, A.-M., Lannier, J., Maire, A. L., Mesa, D., Mouillet, D., Peretti, S., Perrot, C., Salter, G., Wildi, F.: The SPHERE View of the Planet-Forming Disk around HD 100546. *Astron. Astrophys.* 588 (2016), A8.
786. Konishi, M., Matsuo, T., Yamamoto, K., Samland, M., Sudo, J., Shibai, H., Itoh, Y., Fukagawa, M., Sumi, T., Kudo, T., Hashimoto, J., Kuzuhara, M., Kusakabe, N., Abe, L., Akiyama, E., Brandner, W., Brandt, T. D., Carson, J. C., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kwon, J., McElwain, M. W., Mede, K., Miyama, S., Morino, J.-I., Moro-Martín, A., Nishimura, T., Oh, D., Pyo, T.-S., Serabyn, E., Schlieder, J. E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J. P., Yamada, T., Takami, H., Usuda, T., Tamura, M.: A Substellar Companion to Pleiades HII 3441. *PASJ* 68 (2016), 92.
787. Obermeier, C., Henning, Th., Schlieder, J. E., Crossfield, I. J. M., Petigura, E. A., Howard, A. W., Sinukoff, E., Isaacson, H., Ciardi, D. R., David, T. J., Hillenbrand, L. A., Beichman, C. A., Howell, S. B., Horch, E., Everett, M., Hirsch, L., Teske, J., Christiansen, J. L., Lépine, S., Aller, K. M., Liu, M. C., Saglia, R. P., Livingston, J., Kluge, M.: K2 Discovers a Busy Bee: An Unusual Transiting Neptune Found in the Beehive Cluster. *Astron. J.* 152 (2016), 223.
788. Akiyama, E., Hashimoto, J., baobabu Liu, H., i-hsiu Li, J., Bonnefoy, M., Dong, R., Hasegawa, Y., Henning, Th., Sitko, M. L., Janson, M., Feldt, M., Wisniewski, J., Kudo, T., Kusakabe, N., Tsukagoshi, T., Momose, M., Muto, T., Taki, T., Kuzuhara, M., Satoshi, M., Takami, M., Ohashi, N., Grady, C. A., Kwon, J., Thalmann, C., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Hodapp, K. W., Ishii, M., Iye, M., Knapp, G. R., Kandori, R., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takato, N., Terada, H., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Spiral Structure and Differential Dust Size Distribution in the LKH α 330 Disk. *Astron. J.* 152 (2016), 222.
789. de Val-Borro, M., Bakos, G. Á., Brahm, R., Hartman, J. D., Espinoza, N., Penev, K., Ciceri, S., Jordán, A., Bhatti, W., Csubry, Z., Bayliss, D., Bento, J., Zhou, G., Rabus, M., Mancini, L., Henning, Th., Schmidt, B., Tan, T. G., Tinney, C. G., Wright, D. J., Kedziora-Chudczer, L., Bailey, J., Suc, V., Durkan, S., Lázár, J., Papp, I., Sári, P.: HATS-31b through HATS-35b: Five Transiting Hot Jupiters Discovered By the HATSouth Survey. *Astron. J.* 152 (2016), 161.

790. Mancini, L., Southworth, J., Ciceri, S., Tregloan-Reed, J., Crossfield, I., Nikolov, N., Bruni, I., Zambelli, R., Henning, Th.: Erratum: Physical Properties, Star-Spot Activity, Orbital Obliquity and Transmission Spectrum of the Qatar-2 Planetary System from Multicolour Photometry. *MNRAS* 462 (2016), 4266.
791. Mordasini, C., van Boekel, R., Mollière, P., Henning, Th., Benneke, B.: The Imprint of Exoplanet Formation History on Observable Present-Day Spectra of Hot Jupiters. *Astrophys. J.* 832 (2016), 41.
792. Helminiak, K. G., Kuzuhara, M., Mede, K., Brandt, T. D., Kandori, R., Suenaga, T., Kusakabe, N., Narita, N., Carson, J. C., Currie, T., Kudo, T., Hashimoto, J., Abe, L., Akiyama, E., Brandner, W., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, T., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Knapp, G. R., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Ryu, T., Pyo, T.-S., Serabyn, E., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J., Yamada, T., Takami, H., Usuda, T., Tamura, M.: SEEDS Direct Imaging of the RV-detected Companion to V450 Andromedae, and Characterization of the System. *Astrophys. J.* 832 (2016), 33.
793. Oh, D., Hashimoto, J., Carson, J. C., Janson, M., Kwon, J., Nakagawa, T., Mayama, S., Uyama, T., Yang, Y., Kudo, T., Kusakabe, N., Abe, L., Akiyama, E., Brandner, W., Brandt, T. D., Currie, T., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Resolved Near-infrared Image of the Inner Cavity in the GM Aur Transitional Disk. *Astrophys. J.* 831 (2016), L7.
794. McClure, M. K., Bergin, E. A., Cleaves, L. I., van Dishoeck, E. F., Blake, G. A., Evans, N. J., II, Green, J. D., Henning, Th., Öberg, K. I., Pontoppidan, K. M., Salyk, C.: Mass Measurements in Protoplanetary Disks from Hydrogen Deuteride. *Astrophys. J.* 831 (2016), 167.
795. Pascucci, I., Testi, L., Herczeg, G. J., Long, F., Manara, C. F., Hendler, N., Mulders, G. D., Krijt, S., Ciesla, F., Henning, Th., Mohanty, S., Drabek-Maunder, E., Apai, D., Szűcs, L., Sacco, G., Olofsson, J.: A Steeper than Linear Disk Mass-Stellar Mass Scaling Relation. *Astrophys. J.* 831 (2016), 125.
796. Manoj, P., Green, J. D., Megeath, S. T., Evans, N. J., II, Stutz, A. M., Tobin, J. J., Watson, D. M., Fischer, W. J., Furlan, E., Henning, Th.: The Evolution of Far-infrared CO Emission from Protostars. *Astrophys. J.* 831 (2016), 69.
797. Jäger, C., Sabri, T., Wendler, E., Henning, Th.: Ion-induced Processing of Cosmic Silicates: A Possible Formation Pathway to GEMS. *Astrophys. J.* 831 (2016), 66.

798. Penev, K., Hartman, J. D., Bakos, G. Á., Ciceri, S., Brahm, R., Bayliss, D., Bento, J., Jordán, A., Csubry, Z., Bhatti, W., de Val-Borro, M., Espinoza, N., Zhou, G., Mancini, L., Rabus, M., Suc, V., Henning, Th., Schmidt, B., Noyes, R. W., Lázár, J., Papp, I., Sári, P.: HATS-18b: An Extreme Short-period Massive Transiting Planet Spinning Up Its Star. *Astron. J.* 152 (2016), 127.
799. Stolker, T., Dominik, C., Avenhaus, H., Min, M., de Boer, J., Ginski, C., Schmid, H. M., Juhasz, A., Bazzon, A., Waters, L. B. F. M., Garufi, A., Augereau, J.-C., Benisty, M., Boccaletti, A., Henning, Th., Langlois, M., Maire, A.-L., Ménard, F., Meyer, M. R., Pinte, C., Quanz, S. P., Thalmann, C., Beuzit, J.-L., Carillet, M., Costille, A., Dohlen, K., Feldt, M., Gisler, D., Mouillet, D., Pavlov, A., Perret, D., Petit, C., Pragt, J., Rochat, S., Roelfsema, R., Salasnich, B., Soenke, C., Wildi, F.: Shadows Cast on the Transition Disk of HD 135344B. Multi-Wavelength VLT/SPHERE Polarimetric Differential Imaging. *Astron. Astrophys.* 595 (2016), A113.
800. Mizuki, T., Yamada, T., Carson, J. C., Kuzuhara, M., Nakagawa, T., Nishikawa, J., Sitko, M. L., Kudo, T., Kusakabe, N., Hashimoto, J., Abe, L., Brander, W., Brandt, T. D., Egner, S., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J., Moro-Martin, A., Nishimura, T., Pyo, T., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J., Takami, H., Usuda, T., Tamura, M.: High-contrast imaging of ϵ Eridani with Ground-Based Instruments. *Astron. Astrophys.* 595 (2016), A79.
801. Hornbeck, J. B., Swearingen, J. R., Grady, C. A., Williger, G. M., Brown, A., Sitko, M. L., Wisniewski, J. P., Perrin, M. D., Lauroesch, J. T., Schneider, G., Apai, D., Brittain, S., Brown, J. M., Champney, E. H., Hamaguchi, K., Henning, Th., Lynch, D. K., Petre, R., Russell, R. W., Walter, F. M., Woodgate, B.: Panchromatic Imaging of a Transitional Disk: The Disk of GM Aur in Optical and FUV Scattered Light. *Astrophys. J.* 829 (2016), 65.
802. Espinoza, N., Bayliss, D., Hartman, J. D., Bakos, G. Á., Jordán, A., Zhou, G., Mancini, L., Brahm, R., Ciceri, S., Bhatti, W., Csubry, Z., Rabus, M., Penev, K., Bento, J., de Val-Borro, M., Henning, Th., Schmidt, B., Suc, V., Wright, D. J., Tinney, C. G., Tan, T. G., Noyes, R.: HATS-25b through HATS-30b: A Half-dozen New Inflated Transiting Hot Jupiters from the HATSouth Survey. *Astron. J.* 152 (2016), 108.
803. Rabus, M., Jordán, A., Hartman, J. D., Bakos, G. Á., Espinoza, N., Brahm, R., Penev, K., Ciceri, S., Zhou, G., Bayliss, D., Mancini, L., Bhatti, W., de Val-Borro, M., Csubry, Z., Sato, B., Tan, T.-G., Henning, T., Schmidt, B., Bento, J., Suc, V., Noyes, R., Lázár, J., Papp, I., Sári, P.: HATS-11b AND HATS-12b: Two Transiting Hot Jupiters Orbiting Subsolar Metallicity Stars Selected for the K2 Campaign 7. *Astron. J.* 152 (2016), 88.

804. Beuther, H., Bihl, S., Rugel, M., Johnston, K., Wang, Y., Walter, F., Brunthaler, A., Walsh, A. J., Ott, J., Stil, J., Henning, Th., Schierhuber, T., Kainulainen, J., Heyer, M., Goldsmith, P. F., Anderson, L. D., Longmore, S. N., Klessen, R. S., Glover, S. C. O., Urquhart, J. S., Plume, R., Ragan, S. E., Schneider, N., McClure-Griffiths, N. M., Menten, K. M., Smith, R., Roy, N., Shanahan, R., Nguyen-Luong, Q., Bigiel, F.: The HI/OH/Recombination Line Survey of the Inner Milky Way (THOR). Survey Overview and Data Release 1. *Astron. Astrophys.* 595 (2016), A32
805. Eiroa, C., Rebollido, I., Montesinos, B., Villaver, E., Absil, O., Henning, Th., Bayo, A., Canovas, H., Carmona, A., Chen, C., Ertel, S., Iglesias, D. P., Launhardt, R., Maldonado, J., Meeus, G., Moór, A., Mora, A., Mustill, A. J., Olofsson, J., Riviere-Marichalar, P., Roberge, A.: Exocomet Signatures around the A-shell Star ϕ Leonis? *Astron. Astrophys.* 594 (2016), L1.
806. Mesa, D., Vigan, A., D’Orazi, V., Ginski, C., Desidera, S., Bonnefoy, M., Gratton, R., Langlois, M., Marzari, F., Messina, S., Antichi, J., Biller, B., Bonavita, M., Cascone, E., Chauvin, G., Claudi, R. U., Curtis, I., Fantinel, D., Feldt, M., Garufi, A., Galicher, R., Henning, Th., Incorvaia, S., Lagrange, A.-M., Millward, M., Perrot, C., Salasnich, B., Scuderi, S., Sissa, E., Wahhj, Z., Zurlo, A.: Characterizing HR 3549 B using SPHERE. *Astron. Astrophys.* 593 (2016), A119.
807. Pérez, L. M., Carpenter, J. M., Andrews, S. M., Ricci, L., Isella, A., Linz, H., Sargent, A. I., Wilner, D. J., Henning, Th., Deller, A. T., Chandler, C. J., Dullemond, C. P., Lazio, J., Menten, K. M., Corder, S. A., Storm, S., Testi, L., Tazzari, M., Kwon, W., Calvet, N., Greaves, J. S., Harris, R. J., Mundy, L. G.: Spiral Density Waves in a Young Protoplanetary Disk. *Science* 353 (2016), 1519.
808. Mancini, L., Giordano, M., Mollière, P., Southworth, J., Brahm, R., Ciceri, S., Henning, Th.: An Optical Transmission Spectrum of the Transiting Hot Jupiter in the Metal-Poor WASP-98 Planetary System. *MNRAS* 461 (2016), 1053.
809. Wang, K., Testi, L., Burkert, A., Walmsley, C. M., Beuther, H., Henning, Th.: A Census of Large-scale ($\geq 10pc$), Velocity-coherent, Dense Filaments in the Northern Galactic Plane: Automated Identification Using Minimum Spanning Tree. *Astrophys. J. Suppl. Ser.* 226 (2016), 9.
810. Crossfield, I. J. M., Ciardi, D. R., Petigura, E. A., Sinukoff, E., Schlieder, J. E., Howard, A. W., Beichman, C. A., Isaacson, H., Dressing, C. D., Christiansen, J. L., Fulton, B. J., Lépine, S., Weiss, L., Hirsch, L., Livingston, J., Baranec, C., Law, N. M., Riddle, R., Ziegler, C., Howell, S. B., Horch, E., Everett, M., Teske, J., Martinez, A. O., Obermeier, C., Benneke, B., Scott, N., Deacon, N., Aller, K. M., Hansen, B. M. S., Mancini, L., Ciceri, S., Brahm, R., Jordán, A., Knutson, H. A., Henning, Th., Bonnefoy, M., Liu, M. C., Crepp, J. R., Lothringer, J., Hinz, P., Bailey, V., Skemer, A., Defrere, D.: 197 Candidates and 104 Validated Planets in K2’s First Five Fields. *Astrophys. J. Suppl. Ser.* 226 (2016), 7.

811. Thalmann, C., Janson, M., Garufi, A., Boccaletti, A., Quanz, S. P., Sissa, E., Gratton, R., Salter, G., Benisty, M., Bonnefoy, M., Chauvin, G., Daemgen, S., Desidera, S., Dominik, C., Engler, N., Feldt, M., Henning, Th., Lagrange, A.-M., Langlois, M., Lannier, J., Le Coroller, H., Ligi, R., Ménard, F., Mesa, D., Meyer, M. R., Mulders, G. D., Olofsson, J., Pinte, C., Schmid, H. M., Vigan, A., Zurlo, A.: Resolving the Planet-hosting Inner Regions of the LkCa 15 Disk. *Astrophys. J.* 828 (2016), L17.
812. Lomax, J. R., Wisniewski, J. P., Grady, C. A., McElwain, M. W., Hashimoto, J., Kudo, T., Kusakabe, N., Okamoto, Y. K., Fukagawa, M., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Currie, T. M., Egner, S., Feldt, M., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Inoue, A., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., Mayama, S., Miyama, S., Momose, M., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Schneider, G. H., Serabyn, E., Sitko, M. L., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Constraining the Movement of the Spiral Features and the Locations of Planetary Bodies within the AB Aur System. *Astrophys. J.* 828 (2016), 2.
813. Schneider, G., Grady, C. A., Stark, C. C., Gaspar, A., Carson, J., Debes, J. H., Henning, Th., Hines, D. C., Jang-Condell, H., Kuchner, M. J., Perrin, M., Rodigas, T. J., Tamura, M., Wisniewski, J. P.: Deep HST/STIS Visible-light Imaging of Debris Systems around Solar Analog Hosts. *Astron. J.* 152 (2016), 64.
814. Steinacker, J., Linz, H., Beuther, H., Henning, Th., Bacmann, A.: Mass Estimates for Very Cold < 8 K Gas in Molecular Cloud Cores. *Astron. Astrophys.* 593 (2016), L5.
815. Asensio-Torres, R., Janson, M., Hashimoto, J., Thalmann, C., Currie, T., Buenzli, E., Kudo, T., Kuzuhara, M., Kusakabe, N., Abe, L., Akiyama, E., Brandner, W., Brandt, T. D., Carson, J., Egner, S., Feldt, M., Goto, M., Grady, C., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Henning, Th., Hodapp, K., Ishii, M., Iye, M., Kandori, R., Knapp, G., Kwon, J., Matsuo, T., McElwain, M., Mayama, S., Miyama, S., Morino, J., Moro-Martin, A., Nishimura, T., Pyo, T., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takami, M., Takato, N., Terada, H., Turner, E., Watanabe, M., Wisniewski, J., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Polarimetry and Flux Distribution in the Debris Disk around HD 32297. *Astron. Astrophys.* 593 (2016), A73.
816. Feng, S., Beuther, H., Semenov, D., Henning, Th., Linz, H., Mills, E. A. C., Teague, R.: Inferring the Evolutionary Stages of the Internal Structures of NGC 7538 S and IRS1 from Chemistry. *Astron. Astrophys.* 593 (2016), A46.
817. Ohta, Y., Fukagawa, M., Sitko, M. L., Muto, T., Kraus, S., Grady, C. A., Wisniewski, J. P., Swearingen, J. R., Shibai, H., Sumi, T., Hashimoto, J., Kudo, T., Kusakabe, N., Momose, M., Okamoto, Y., Kotani, T., Takami, M., Currie, T., Thalmann, C.,

- Janson, M., Akiyama, E., Follette, K. B., Mayama, S., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S. E., Feldt, M., Goto, M., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martín, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, H., Takato, N., Terada, H., Tomono, D., Turner, E. L., Usuda, T., Watanabe, M., Yamada, T., Tamura, M.: Extreme Asymmetry in the Polarized Disk of V1247 Orionis. *PASJ* 68 (2016), 53.
818. Moór, A., Kóspál, Á., Ábrahám, P., Balog, Z., Csengeri, T., Henning, Th., Juhász, A., Kiss, C.: New Debris Disks in Nearby Young Moving Groups. *Astrophys. J.* 826 (2016), 123.
819. Brieva, A. C., Gredel, R., Jäger, C., Huisken, F., Henning, Th.: C₆₀ as a Probe for Astrophysical Environments. *Astrophys. J.* 826 (2016), 122
820. Pohl, A., Kataoka, A., Pinilla, P., Dullemond, C. P., Henning, Th., Birnstiel, T.: Investigating Dust Trapping in Transition Disks with Millimeter-Wave Polarization. *Astron. Astrophys.* 593 (2016), A12.
821. Min, M., Bouwman, J., Dominik, C., Waters, L. B. F. M., Pontoppidan, K. M., Hony, S., Mulders, G. D., Henning, Th., van Dishoeck, E. F., Woitke, P., Evans, N. J.: II, Digit Team The Abundance and Thermal History of Water Ice in the Disk Surrounding HD 142527 from the DIGIT Herschel Key Program. *Astron. Astrophys.* 593 (2016), A11.
822. Steinacker, J., Bacmann, A., Henning, Th., Heigl, S.: Prestellar Core Modeling in the Presence of a Filament. The Dense Heart of L1689B. *Astron. Astrophys.* 593 (2016), A6.
823. Guilloteau, S., Reboussin, L., Dutrey, A., Chapillon, E., Wakelam, V., Piétu, V., Di Folco, E., Semenov, D., Henning, Th.: Chemistry in Disks. X. The Molecular Content of Protoplanetary Disks in Taurus. *Astron. Astrophys.* 592 (2016), A124.
824. Chira, R.-A., Siebenmorgen, R., Henning, Th., Kainulainen, J.: Appearance of Dusty Filaments at Different Viewing Angles. *Astron. Astrophys.* 592 (2016), A90.
825. Mancini, L., Southworth, J., Raia, G., Tregloan-Reed, J., Mollière, P., Bozza, V., Bretton, M., Bruni, I., Ciceri, S., D'Ago, G., Dominik, M., Hinse, T. C., Hundertmark, M., Jørgensen, U. G., Korhonen, H., Rabus, M., Rahvar, S., Starkey, D., Calchi Novati, S., Figuera Jaimes, R., Henning, Th., Juncher, D., Haugbølle, T., Kains, N., Popovas, A., Schmidt, R. W., Skottfelt, J., Snodgrass, C., Surdej, J., Wertz, O.: Orbital Alignment and Star-Spot Properties in the WASP-52 Planetary System. *MNRAS* 465 (2017), 843.
826. Bayo, A., Barrado, D., Allard, F., Henning, Th., Comerón, F., Morales-Calderón, M., RAstron. J.purohit, A. S., Peña Ramírez, K., Beamín, J. C.: Physical parameters of late M-type members of Chamaeleon I and TW Hydrae Association: Dust Settling, Age Dispersion and Activity. *MNRAS* 465 (2017), 760.

827. Krasnokutski, S. A., Huisken, F., Jäger, C., Henning, Th.: Growth and Destruction of PAH Molecules in Reactions with Carbon. *Atoms. Astrophys. J.* 836 (2017), 32.
828. Teague, R., Semenov, D., Gorti, U., Guilloteau, S., Henning, Th., Birnstiel, T., Dutrey, A., van Boekel, R., Chapillon, E.: A Surface Density Perturbation in the TW Hydrae Disk at 95 au Traced by Molecular Emission. *Astrophys. J.* 835 (2017), 228.
829. Bialy, S., Bihr, S., Beuther, H., Henning, Th., Sternberg, A.: H i-to-H₂ Transition Layers in the Star-forming Region W43. *Astrophys. J.* 835 (2017), 126.
830. Garcia, E. V., Currie, T., Guyon, O., Stassun, K. G., Jovanovic, N., Lozi, J., Kudo, T., Doughty, D., Schlieder, J., Kwon, J., Uyama, T., Kuzuhara, M., Carson, J. C., Nakagawa, T., Hashimoto, J., Kusakabe, N., Abe, L., Brandner, W., Brandt, T. D., Feldt, M., Goto, M., Grady, C. A., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, H., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J., Yamada, T., Usuda, T., Tamura, M.: SCEXAO and GPI Y JHBand Photometry and Integral Field Spectroscopy of the Young Brown Dwarf Companion to HD 1160. *Astrophys. J.* 834 (2017), 162.
831. Yang, Y., Hashimoto, J., Hayashi, S. S., Tamura, M., Mayama, S., Rafikov, R., Akiyama, E., Carson, J. C., Janson, M., Kwon, J., de Leon, J., Oh, D., Takami, M., Tang, Y.-w., Kudo, T., Kusakabe, N., Abe, L., Brandner, W., Brandt, T. D., Egner, S., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J., Yamada, T., Takami, H., Usuda, T.: Near-infrared Imaging Polarimetry of Inner Region of GG Tau A Disk. *Astron. J.* 153 (2017), 7.
832. Kooistra, R., Kamp, I., Fukagawa, M., Ménard, F., Momose, M., Tsukagoshi, T., Kudo, T., Kusakabe, N., Hashimoto, J., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S. E., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Wisniewski, J., Yamada, T., Takami, H., Usuda, T., Tamura, M., Currie, T., Akiyama, E., Mayama, S., Follette, K. B., Nakagawa, T.: Radial Decoupling of Small and Large Dust Grains in the Transitional Disk. RX J1615.3-3255 *Astron. Astrophys.* 597 (2017), A132.

833. Benisty, M., Stolker, T., Pohl, A., de Boer, J., Lesur, G., Dominik, C., Dullemond, C. P., Langlois, M., Min, M., Wagner, K., Henning, Th., Juhasz, A., Pinilla, P., Facchini, S., Apai, D., van Boekel, R., Garufi, A., Ginski, C., Ménard, F., Pinte, C., Quanz, S. P., Zurlo, A., Boccaletti, A., Bonnefoy, M., Beuzit, J. L., Chauvin, G., Cudel, M., Desidera, S., Feldt, M., Fontanive, C., Gratton, R., Kasper, M., Lagrange, A.-M., LeCoroller, H., Mouillet, D., Mesa, D., Sissa, E., Vigan, A., Antichi, J., Buey, T., Fusco, T., Gisler, D., Llored, M., Magnard, Y., Moeller-Nilsson, O., Pragt, J., Roelfsema, R., Sauvage, J.-F., Wildi, F.: Shadows and Spirals in the Protoplanetary Disk HD 100453. *Astron. Astrophys.* 597 (2017), A42.
834. Manjavacas, E., Miles-Páez, P. A., Zapatero-Osorio, M. R., Goldman, B., Buenzli, E., Henning, Th., Pallé, E., Fang, M.: Testing the Existence of Optical Linear Polarization in Young Brown Dwarfs. *MNRAS* 468 (2017), 3024.
835. Avenhaus, H., Quanz, S. P., Schmid, H. M., Dominik, C., Stolker, T., Ginski, C., de Boer, J., Szulágyi, J., Garufi, A., Zurlo, A., Hagelberg, J., Benisty, M., Henning, Th., Ménard, F., Meyer, M. R., Baruffolo, A., Bazzon, A., Beuzit, J. L., Costille, A., Dohlen, K., Girard, J. H., Gisler, D., Kasper, M., Mouillet, D., Pragt, J., Roelfsema, R., Salasnich, B., Sauvage, J.-F.: Exploring Dust around HD 142527 down to 0."025 (4 au) Using SPHERE/ZIMPOL. *Astron. J.* 154 (2017), 33.
836. Hendler, N. P., Mulders, G. D., Pascucci, I., Greenwood, A., Kamp, I., Henning, Th., Ménard, F., Dent, W. R. F., Evans, N. J.: II Hints for Small Disks around Very Low Mass Stars and Brown Dwarfs. *Astrophys. J.* 841 (2017), 116.
837. GRAVITY Collaboration, Petrucci, P.-O., Waisberg, I., Le Bouquin, J.-B., Dexter, J., Dubus, G., Perraut, K., Kervella, P., Abuter, R., Amorim, A., Anugu, N., Berger, J. P., Blind, N., Bonnet, H., Brandner, W., Buron, A., Choquet, É., Clénet, Y., de Wit, W., Deen, C., Eckart, A., Eisenhauer, F., Finger, G., Garcia, P., Garcia Lopez, R., Gendron, E., Genzel, R., Gillessen, S., Gonte, F., Haubois, X., Haug, M., Haussmann, F., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Jochum, L., Jocou, L., Kok, Y., Kolb, J., Kulas, M., Lacour, S., Lazareff, B., Lèna, P., Lippa, M., Mérand, A., Müller, E., Ott, T., Panduro, J., Paumard, T., Perrin, G., Pfuhl, O., Ramos, J., Rau, C., Rohloff, R.-R., Rousset, G., Sanchez-Bermudez, J., Scheithauer, S., Schöller, M., Straubmeier, C., Sturm, E., Vincent, F., Wank, I., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Yazici, S., Zins, G.: Accretion-Ejection Morphology of the Microquasar SS 433 Resolved at Sub-au Acale. *Astron. Astrophys.* 602 (2017), L11.
838. GRAVITY Collaboration, Abuter, R., Accardo, M., Amorim, A., Anugu, N., Ávila, G., Azouaoui, N., Benisty, M., Berger, J. P., Blind, N., Bonnet, H., Bourget, P., Brandner, W., Brast, R., Buron, A., Burtcher, L., Cassaing, F., Chapron, F., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., de Wit, W., de Zeeuw, P. T., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., Dexter, J., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Fédou, P., Finger, G., Garcia, P., Garcia Dabo, C. E., Garcia Lopez, R., Gendron, E., Genzel, R., Gillessen, S., Gonte, F., Gordo, P., Grould, M., Grözinger, U., Guieu, S., Haguenaue, P.,

- Hans, O., Haubois, X., Haug, M., Haussmann, F., Henning, Th., Hippler, S., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jochum, L., Jocou, L., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Klein, R., Kok, Y., Kolb, J., Kulas, M., Lacour, S., Lapeyrère, V., Lazareff, B., Le Bouquin, J.-B., Lèna, P., Lenzen, R., Lévêque, S., Lippa, M., Magnard, Y., Mehrgan, L., Mellein, M., Mérand, A., Moreno-Ventas, J., Moulin, T., Müller, E., Müller, F., Neumann, U., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Pflüger, A., Pfuhl, O., Phan Duc, T., Plewa, P. M., Popovic, D., Rabien, S., Ramírez, A., Ramos, J., Rau, C., Riquelme, M., Rohloff, R.-R., Rousset, G., Sanchez-Bermudez, J., Scheithauer, S., Schöller, M., Schuhler, N., Spyromilio, J., Straubmeier, C., Sturm, E., Suarez, M., Tristram, K. R. W., Ventura, N., Vincent, F., Waisberg, I., Wank, I., Weber, J., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yazici, S., Ziegler, D., Zins, G.: First light for GRAVITY: Phase Referencing Optical Interferometry for the Very Large Telescope Interferometer. *Astron. Astrophys.* 602 (2017), A94.
839. Cesaroni, R., Sánchez-Monge, Á., Beltrán, M. T., Johnston, K. G., Maud, L. T., Moscadelli, L., Mottram, J. C., Ahmadi, A., Allen, V., Beuther, H., Csengeri, T., Etoaka, S., Fuller, G. A., Galli, D., Galván-Madrid, R., Goddi, C., Henning, Th., Hoare, M. G., Klaassen, P. D., Kuiper, R., Kumar, M. S. N., Lumsden, S., Peters, T., Rivilla, V. M., Schilke, P., Testi, L., van der Tak, F., Vig, S., Walmsley, C. M., Zinnecker, H.: Chasing Discs around O-type (Proto)Stars: Evidence from ALMA Observations. *Astron. Astrophys.* 602 (2017), A59.
840. Schmid, H. M., Bazzon, A., Milli, J., Roelfsema, R., Engler, N., Mouillet, D., Lagadec, E., Sissa, E., Sauvage, J.-F., Ginski, C., Baruffolo, A., Beuzit, J. L., Boccaletti, A., Bohn, A. J., Claudi, R., Costille, A., Desidera, S., Dohlen, K., Dominik, C., Feldt, M., Fusco, T., Gisler, D., Girard, J. H., Gratton, R., Henning, Th., Hubin, N., Joos, F., Kasper, M., Langlois, M., Pavlov, A., Pragt, J., Puget, P., Quanz, S. P., Salasnich, B., Siebenmorgen, R., Stute, M., Suarez, M., Szulágyi, J., Thalmann, C., Turatto, M., Udry, S., Vigan, A., Wildi, F.: SPHERE/ZIMPOL Observations of the Symbiotic System R Aquarii. I. Imaging of the Stellar Binary and the Innermost Jet Clouds. *Astron. Astrophys.* 602 (2017), A53.
841. Liu, H. B., Vorobyov, E. I., Dong, R., Dunham, M. M., Takami, M., Galván-Madrid, R., Hashimoto, J., Kóspál, Á., Henning, Th., Tamura, M., Rodríguez, L. F., Hirano, N., Hasegawa, Y., Fukagawa, M., Carrasco-Gonzalez, C., Tazzari, M.: A Concordant Scenario to Explain FU Orionis from Deep Centimeter and Millimeter Interferometric Observations. *Astron. Astrophys.* 602 (2017), A19.
842. Bayo, A., Joergens, V., Liu, Y., Brauer, R., Olofsson, J., Arancibia, J., Pinilla, P., Wolf, S., Ruge, J. P., Henning, Th., Natta, A., Johnston, K. G., Bonnefoy, M., Beuther, H., Chauvin, G.: First Millimeter Detection of the Disk around a Young, Isolated, Planetary-mass Object. *Astrophys. J.* 841 (2017), L11.
843. Gavilan, L., Remusat, L., Roskosz, M., Popescu, H., Jaouen, N., Sandt, C., Jäger,

- C., Henning, Th., Simionovici, A., Lemaire, J. L., Mangin, D., Carrasco, N.: X-Ray-induced Deuterium Enrichment of N-rich Organics in Protoplanetary Disks: An Experimental Investigation Using Synchrotron Light. *Astrophys. J.* 840 (2017), 35.
844. Maire, A.-L., Stolker, T., Messina, S., Müller, A., Biller, B. A., Currie, T., Dominik, C., Grady, C. A., Boccaletti, A., Bonnefoy, M., Chauvin, G., Galicher, R., Millward, M., Pohl, A., Brandner, W., Henning, T., Lagrange, A.-M., Langlois, M., Meyer, M. R., Quanz, S. P., Vigan, A., Zurlo, A., van Boekel, R., Buenzli, E., Buey, T., Desidera, S., Feldt, M., Fusco, T., Ginski, C., Giro, E., Gratton, R., Hubin, N., Lannier, J., Le Mignant, D., Mesa, D., Peretti, S., Perrot, C., Ramos, J. R., Salter, G., Samland, M., Sissa, E., Stadler, E., Thalmann, C., Udry, S., Weber, L.: Testing Giant Planet Formation in the Transitional Disk of SAO 206462 using Deep VLT/SPHERE Imaging. *Astron. Astrophys.* 601 (2017), A134.
845. Schuller, F., Csengeri, T., Urquhart, J. S., Duarte-Cabral, A., Barnes, P. J., Gianetti, A., Hernandez, A. K., Leurini, S., Mattern, M., Medina, S.-N. X., Agurto, C., Azagra, F., Anderson, L. D., Beltrán, M. T., Beuther, H., Bontemps, S., Bronfman, L., Dobbs, C. L., Dumke, M., Finger, R., Ginsburg, A., Gonzalez, E., Henning, Th., Kauffmann, J., Mac-Auliffe, F., Menten, K. M., Montenegro-Montes, F. M., Moore, T. J. T., Muller, E., Parra, R., Perez-Beaupuits, J.-P., Pettitt, A., Russeil, D., Sánchez-Monge, Á., Schilke, P., Schisano, E., Suri, S., Testi, L., Torstensson, K., Venegas, P., Wang, K., Wienen, M., Wyrowski, F., Zavagno, A.: SEDIGISM: Structure, Excitation, and Dynamics of the Inner Galactic Interstellar Medium. *Astron. Astrophys.* 601 (2017), A124.
846. Esposito, M., Covino, E., Desidera, S., Mancini, L., Nascimbeni, V., Zanmar Sanchez, R., Biazzo, K., Lanza, A. F., Leto, G., Southworth, J., Bonomo, A. S., Suárez Mascareño, A., Boccato, C., Cosentino, R., Claudi, R. U., Gratton, R., Maggio, A., Micela, G., Molinari, E., Pagano, I., Piotto, G., Poretti, E., Smareglia, R., Sozzetti, A., Affer, L., Anderson, D. R., Andreuzzi, G., Benatti, S., Bignamini, A., Borsa, F., Borsato, L., Ciceri, S., Damasso, M., di Fabrizio, L., Giacobbe, P., Granata, V., Harutyunyan, A., Henning, Th., Malavolta, L., Maldonado, J., Martinez Fiorenzano, A., Masiero, S., Molaro, P., Molinaro, M., Pedani, M., Rainer, M., Scandariato, G., Turner, O. D.: The GAPS Programme with HARPS-N at TNG. XIII. The Orbital Obliquity of Three Close-in Massive Planets Hosted by Dwarf K-type Stars: WASP-43, HAT-P-20 and Qatar-2. *Astron. Astrophys.* 601 (2017), A53.
847. Rich, E. A., Wisniewski, J. P., McElwain, M. W., Hashimoto, J., Kudo, T., Kusakabe, N., Okamoto, Y. K., Abe, L., Akiyama, E., Brandner, W., Brandt, T. D., Cargile, P., Carson, J. C., Currie, T. M., Egner, S., Feldt, M., Fukagawa, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Hebb, L., Helminiak, K. G., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kuzuhara, M., Kwon, J., Matsuo, T., Mayama, S., Miyama, S., Momose, M., Morino, J.-I., Moro-Martin, A., Nakagawa, T., Nishimura, T., Oh, D., Pyo, T.-S., Schlieder, J., Serabyn, E., Sitko, M. L., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.:

The Fundamental Stellar Parameters of FGK Stars in the SEEDS Survey. *MNRAS* 472 (2017), 1736.

848. Mulders, G. D., Pascucci, I., Manara, C. F., Testi, L., Herczeg, G. J., Henning, Th., Mohanty, S., Lodato, G.: Constraints from Dust Mass and Mass Accretion Rate Measurements on Angular Momentum Transport in Protoplanetary Disks. *Astrophys. J.* 847 (2017), 31.
849. Chauvin, G., Desidera, S., Lagrange, A.-M., Vigan, A., Gratton, R., Langlois, M., Bonnefoy, M., Beuzit, J.-L., Feldt, M., Mouillet, D., Meyer, M., Cheetham, A., Biller, B., Boccaletti, A., D'Orazi, V., Galicher, R., Hagelberg, J., Maire, A.-L., Mesa, D., Olofsson, J., Samland, M., Schmidt, T. O. B., Sissa, E., Bonavita, M., Charnay, B., Cudel, M., Daemgen, S., Delorme, P., Janin-Potiron, P., Janson, M., Keppler, M., Le Coroller, H., Ligi, R., Marleau, G. D., Messina, S., Mollière, P., Mordasini, C., Müller, A., Peretti, S., Perrot, C., Rodet, L., Rouan, D., Zurlo, A., Dominik, C., Henning, Th., Menard, F., Schmid, H.-M., Turatto, M., Udry, S., Vakili, F., Abe, L., Antichi, J., Baruffolo, A., Baudoz, P., Baudrand, J., Blanchard, P., Bazzon, A., Buey, T., Carillet, M., Carle, M., Charton, J., Cascone, E., Claudi, R., Costille, A., Deboulbe, A., De Caprio, V., Dohlen, K., Fantinel, D., Feautrier, P., Fusco, T., Gigan, P., Giro, E., Gisler, D., Gluck, L., Hubin, N., Hugot, E., Jaquet, M., Kasper, M., Madec, F., Magnard, Y., Martinez, P., Maurel, D., Le Mignant, D., Möller-Nilsson, O., Llored, M., Moulin, T., Origné, A., Pavlov, A., Perret, D., Petit, C., Pragt, J., Puget, P., Rabou, P., Ramos, J., Rigal, R., Rochat, S., Roelfsema, R., Rousset, G., Roux, A., Salasnich, B., Sauvage, J.-F., Sevin, A., Soenke, C., Stadler, E., Suarez, M., Weber, L., Wildi, F., Antonucci, S., Augereau, J.-C., Baudino, J.-L., Brandner, W., Engler, N., Girard, J., Gry, C., Kral, Q., Kopytova, T., Lagadec, E., Milli, J., Moutou, C., Schlieder, J., Szulágyi, J., Thalmann, C., Wahhaj, Z.: Discovery of a Warm, Dusty Giant Planet around HIP 65426. *Astron. Astrophys.* 605 (2017), L9.
850. Sanchez-Bermudez, J., Alberdi, A., Barbá, R., Bestenlehner, J. M., Cantalloube, F., Brandner, W., Henning, Th., Hummel, C. A., Maíz Apellániz, J., Pott, J.-U., Schödel, R., van Boekel, R.: GRAVITY Spectro-Interferometric Study of the Massive Multiple Stellar System HD 93206 A. *Astrophys. J.* 845 (2017), 57.
851. Long, F., Herczeg, G. J., Pascucci, I., Drabek-Maunder, E., Mohanty, S., Testi, L., Apai, D., Hendler, N., Henning, Th., Manara, C. F., Mulders, G. D.: An ALMA Survey of CO Isotopologue Emission from Protoplanetary Disks in Chamaeleon I. *Astrophys. J.* 844 (2017), 99.
852. Snellen, I. A. G., Désert, J.-M., Waters, L. B. F. M., Robinson, T., Meadows, V., van Dishoeck, E. F., Brandl, B. R., Henning, Th., Bouwman, J., Lahuis, F., Min, M., Lovis, C., Dominik, C., Van Eylen, V., Sing, D., Anglada-Escudé, G., Birkby, J. L., Brogi, M.: Detecting Proxima b's Atmosphere with JWST Targeting CO₂ at 15 μ m Using a High-pass Spectral Filtering Technique. *Astron. J.* 154 (2017), 77.
853. Manara, C. F., Testi, L., Herczeg, G. J., Pascucci, I., Alcalá, J. M., Natta, A., Antonucci, S., Fedele, D., Mulders, G. D., Henning, Th., Mohanty, S., Prusti, T.,

- Rigliaco, E.: X-Shooter Study of Accretion in Chamaeleon I. II. A Steeper Increase of Accretion with Stellar Mass for Very Low-mass Stars? *Astron. Astrophys.* 604 (2017), A127.
854. Varga, J., Gabányi, K. É., Ábrahám, P., Chen, L., Kóspál, Á., Menu, J., Ratzka, T., van Boekel, R., Dullemond, C. P., Henning, Th., Jaffe, W., Juhász, A., Moór, A., Mosoni, L., Sipos, N.: Mid-Infrared Interferometric Variability of DG Tauri: Implications for the Inner-disk Structure. *Astron. Astrophys.* 604 (2017), A84.
855. Calissendorff, P., Janson, M., Köhler, R., Durkan, S., Hippler, S., Dai, X., Brandner, W., Schlieder, J., Henning, Th.: The Discrepancy between Dynamical and Theoretical Mass in the Triplet-System 2MASS J10364483+1521394. *Astron. Astrophys.* 604 (2017), A82.
856. Abreu-Vicente, J., Stutz, A., Henning, Th., Keto, E., Ballesteros-Paredes, J., Robitaille, T.: Fourier-space combination of Planck and Herschel images. *Astron. Astrophys.* 604 (2017), A65.
857. Waisberg, I., Dexter, J., Pfuhl, O., Abuter, R., Amorim, A., Anugu, N., Berger, J. P., Blind, N., Bonnet, H., Brandner, W., Buron, A., Clénet, Y., de Wit, W., Deen, C., Delplancke-Ströbele, F., Dembet, R., Duvert, G., Eckart, A., Eisenhauer, F., Fédou, P., Finger, G., Garcia, P., Garcia Lopez, R., Gendron, E., Genzel, R., Gillessen, S., Haubois, X., Haug, M., Haussmann, F., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Jochum, L., Jocou, L., Kervella, P., Kok, Y., Kulas, M., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lippa, M., Mérand, A., Müller, E., Ott, T., Pallanca, L., Panduro, J., Paumard, T., Perraut, K., Perrin, G., Rabien, S., Ramírez, A., Ramos, J., Rau, C., Rohloff, R.-R., Rousset, G., Sanchez-Bermudez, J., Scheithauer, S., Schöller, M., Straubmeier, C., Sturm, E., Vincent, F., Wank, I., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Yazici, S., GRAVITY Collaboration: Submilliarcsecond Optical Interferometry of the High-mass X-Ray Binary BP Cru with VLTI/GRAVITY. *Astrophys. J.* 844 (2017), 72.
858. Kóspál, Á., Ábrahám, P., Csengeri, T., Fehér, O., Hogerheijde, M. R., Brinch, C., Dunham, M. M., Vorobyov, E. I., Salter, D. M., Henning, Th.: Mass Transport from the Envelope to the Disk of V346 Nor: A Case Study for the Luminosity Problem in an FUor-type Young Eruptive Star. *Astrophys. J.* 843 (2017), 45.
859. Yan, F., Pallé, E., Fosbury, R. A. E., Petr-Gotzens, M. G., Henning, T.: Effect of the Stellar Absorption Line Centre-to-limb Variation on Exoplanet Transmission Spectrum Observations. *Astron. Astrophys.* 603 (2017), A73.
860. Pohl, A., Benisty, M., Pinilla, P., Ginski, C., de Boer, J., Avenhaus, H., Henning, Th., Zurlo, A., Boccaletti, A., Augereau, J.-C., Birnstiel, T., Dominik, C., Facchini, S., Fedele, D., Janson, M., Keppler, M., Kral, Q., Langlois, M., Ligi, R., Maire, A.-L., Ménard, F., Meyer, M., Pinte, C., Quanz, S. P., Sauvage, J.-F., Sevestre, É., Stolker, T., Szulágyi, J., van Boekel, R., van der Plas, G., Villenave, M., Baruffolo, A., Baudoz, P., Le Mignant, D., Maurel, D., Ramos, J., Weber, L.: The Circumstellar

- Disk HD 169142: Gas, Dust, and Planets Acting in Concert? *Astrophys. J.* 850 (2017), 52.
861. Molyarova, T., Akimkin, V., Semenov, D., Henning, Th., Vasyunin, A., Wiebe, D.: Gas Mass Tracers in Protoplanetary Disks: CO is Still the Best. *Astrophys. J.* 849 (2017), 130.
862. Moór, A., Curé, M., Kóspál, Á., Ábrahám, P., Csengeri, T., Eiroa, C., Gunawan, D., Henning, Th., Hughes, A. M., Juhász, A., Pawellek, N., Wyatt, M.: Molecular Gas in Debris Disks around Young A-type Stars. *Astrophys. J.* 849 (2017), 123.
863. Potapov, A., Jäger, C., Henning, Th., Jonusas, M., Krim, L.: The Formation of Formaldehyde on Interstellar Carbonaceous Grain Analogs by O/H Atom Addition. *Astrophys. J.* 846 (2017), 131.
864. Pinilla, P., Quiroga-Nuñez, L. H., Benisty, M., Natta, A., Ricci, L., Henning, Th., van der Plas, G., Birnstiel, T., Testi, L., Ward-Duong, K.: Millimeter Spectral Indices and Dust Trapping By Planets in Brown Dwarf Disks. *Astrophys. J.* 846 (2017), 70.
865. Christiansen, J. L., Vanderburg, A., Burt, J., Fulton, B. J., Batygin, K., Benneke, B., Brewer, J. M., Charbonneau, D., Ciardi, D. R., Collier Cameron, A., Coughlin, J. L., Crossfield, I. J. M., Dressing, C., Greene, T. P., Howard, A. W., Latham, D. W., Molinari, E., Mortier, A., Mullally, F., Pepe, F., Rice, K., Sinukoff, E., Sozzetti, A., Thompson, S. E., Udry, S., Vogt, S. S., Barman, T. S., Batalha, N. E., Bouchy, F., Buchhave, L. A., Butler, R. P., Cosentino, R., Dupuy, T. J., Ehrenreich, D., Fiorenzano, A., Hansen, B. M. S., Henning, Th., Hirsch, L., Holden, B. P., Isaacson, H. T., Johnson, J. A., Knutson, H. A., Kosiarek, M., López-Morales, M., Lovis, C., Malavolta, L., Mayor, M., Micela, G., Motalebi, F., Petigura, E., Phillips, D. F., Piotto, G., Rogers, L. A., Sasselov, D., Schlieder, J. E., Ségransan, D., Watson, C. A., Weiss, L. M.: Three's Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. *Astron. J.* 154 (2017), 122.
866. Jiménez-Donaire, M. J., Meeus, G., Karska, A., Montesinos, B., Bouwman, J., Eiroa, C., Henning, Th.: Herschel observations of the circumstellar environments of the Herbig Be stars R Mon and PDS 27. *Astron. Astrophys.* 605 (2017), A62.
867. Beuther, H., Linz, H., Henning, Th., Feng, S., Teague, R.: Multiplicity and Disks within the High-mass Core NGC 7538IRS1. Resolving cm Line and Continuum emission at $0.06'' \times 0.05''$ resolution. *Astron. Astrophys.* 605 (2017), A61.
868. Anderson, L. D., Wang, Y., Bihr, S., Rugel, M., Beuther, H., Bigiel, F., Churchwell, E., Glover, S. C. O., Goodman, A. A., Henning, Th., Heyer, M., Klessen, R. S., Linz, H., Longmore, S. N., Menten, K. M., Ott, J., Roy, N., Soler, J. D., Stil, J. M., Urquhart, J. S.: Galactic Supernova Remnant Candidates Discovered by THOR. *Astron. Astrophys.* 605 (2017), A58.
869. Pohl, A., Sissa, E., Langlois, M., Müller, A., Ginski, C., van Holstein, R. G., Vigan, A., Mesa, D., Maire, A.-L., Henning, Th., Gratton, R., Olofsson, J., van Boekel,

- R., Benisty, M., Biller, B., Boccaletti, A., Chauvin, G., Daemgen, S., de Boer, J., Desidera, S., Dominik, C., Garufi, A., Janson, M., Kral, Q., Ménard, F., Pinte, C., Stolker, T., Szulágyi, J., Zurlo, A., Bonnefoy, M., Cheetham, A., Cudel, M., Feldt, M., Kasper, M., Lagrange, A.-M., Perrot, C., Wildi, F.: New Constraints on the Disk Characteristics and Companion Candidates around T Chamaeleontis with VLT/SPHERE. *Astron. Astrophys.* 605 (2017), A34.
870. Malygin, M. G., Klahr, H., Semenov, D., Henning, Th., Dullemond, C. P.: Efficiency of Thermal Relaxation by Radiative Processes in Protoplanetary Discs: Constraints on Hydrodynamic Turbulence. *Astron. Astrophys.* 605 (2017), A30.
871. Flock, M., Nelson, R. P., Turner, N. J., Bertrang, G. H.-M., Carrasco-González, C., Henning, Th., Lyra, W., Teague, R.: Radiation Hydrodynamical Turbulence in Protoplanetary Discs: Numerical Models and Observational Constraints. *Astrophys. J.* 850 (2017), 131.
872. Delorme, P., Schmidt, T., Bonnefoy, M., Desidera, S., Ginski, C., Charnay, B., Lazoni, C., Christiaens, V., Messina, S., D’Orazi, V., Milli, J., Schlieder, J. E., Gratton, R., Rodet, L., Lagrange, A.-M., Absil, O., Vigan, A., Galicher, R., Hagelberg, J., Bonavita, M., Lavie, B., Zurlo, A., Olofsson, J., Boccaletti, A., Cantalloube, F., Mouillet, D., Chauvin, G., Hamsch, F.-J., Langlois, M., Udry, S., Henning, Th., Beuzit, J.-L., Mordasini, C., Lucas, P., Marocco, F., Biller, B., Carson, J., Cheetham, A., Covino, E., De Caprio, V., Delboulbe, A., Feldt, M., Girard, J., Hubin, N., Maire, A.-L., Pavlov, A., Petit, C., Rouan, D., Roelfsema, R., Wildi, F.: In-depth Study of Moderately Young but Extremely Red, Very Dusty Substellar Companion HD 206893B. *Astron. Astrophys.* 608 (2017), A79.
873. GRAVITY Collaboration, Garcia Lopez, R., Perraut, K., Caratti o Garatti, A., Lazareff, B., Sanchez-Bermudez, J., Benisty, M., Dougados, C., Labadie, L., Brandner, W., Garcia, P. J. V., Henning, Th., Ray, T. P., Abuter, R., Amorim, A., Anugu, N., Berger, J. P., Bonnet, H., Buron, A., Caselli, P., Clénet, Y., Coudé Du Foresto, V., de Wit, W., Deen, C., Delplancke-Ströbele, F., Dexter, J., Eckart, A., Eisenhauer, F., Garcia Dabo, C. E., Gendron, E., Genzel, R., Gillessen, S., Haubois, X., Haug, M., Haussmann, F., Hippler, S., Hubert, Z., Hummel, C. A., Horrobin, M., Jocou, L., Kellner, S., Kervella, P., Kulas, M., Kolb, J., Lacour, S., Le Bouquin, J.-B., Léna, P., Lippa, M., Mérand, A., Müller, E., Ott, T., Panduro, J., Paumard, T., Perrin, G., Pfuhl, O., Ramirez, A., Rau, C., Rohloff, R.-R., Rousset, G., Scheithauer, S., Schöller, M., Straubmeier, C., Sturm, E., Thi, W. F., van Dishoeck, E., Vincent, F., Waisberg, I., Wank, I., Wieprecht, E., Wiest, M., Wiezorrek, E., Woillez, J., Yazici, S., Zins, G.: The Wind and the Magnetospheric Accretion onto the T Tauri Star S Coronae Australis at Sub-au Resolution. *Astron. Astrophys.* 608 (2017), A78.
874. Fulvio, D., Góbi, S., Jäger, C., Kereszturi, Á., Henning, Th.: Laboratory Experiments on the Low-temperature Formation of Carbonaceous Grains in the ISM. *Astrophys. J. Suppl. Ser.* 233 (2017), 14.
875. Pohl, A., Benisty, M., Pinilla, P., Ginski, C., de Boer, J., Avenhaus, H., Henning, Th., Zurlo, A., Boccaletti, A., Augereau, J.-C., Birnstiel, T., Dominik, C., Facchini,

- S., Fedele, D., Janson, M., Keppler, M., Kral, Q., Langlois, M., Ligi, R., Maire, A.-L., Ménard, F., Meyer, M., Pinte, C., Quanz, S. P., Sauvage, J.-F., Sezestre, É., Stolker, T., Szulágyi, J., van Boekel, R., van der Plas, G., Villenave, M., Baruffolo, A., Baudoz, P., Le Mignant, D., Maurel, D., Ramos, J., Weber, L.: The Circumstellar Disk HD 169142: Gas, Dust, and Planets Acting in Concert? *Astrophys. J.* 850 (2017), 52.
876. Dutrey, A., Guilloteau, S., Piétu, V., Chapillon, E., Wakelam, V., Di Folco, E., Stoecklin, T., Denis-Alpizar, O., Gorti, U., Teague, R., Henning, Th., Semenov, D., Grosso, N.: The Flying Saucer: Tomography of the Thermal and Density Gas Structure of an Edge-on Protoplanetary Disk. *Astron. Astrophys.* 607 (2017), A130.
877. Sicilia-Aguilar, A., Oprandi, A., Froebrich, D., Fang, M., Prieto, J. L., Stanek, K., Scholz, A., Kochanek, C. S., Henning, Th., Gredel, R., Holoien, T. W.-S., Rabus, M., Shappee, B. J., Billington, S. J., Campbell-White, J., Zegmott, T. J.: The 2014-2017 Outburst of the Young Star ASASSN-13db. A Time-resolved Picture of a Very-low-mass Star between EXors and FUors. *Astron. Astrophys.* 607 (2017), A127.
878. Engler, N., Schmid, H. M., Thalmann, C., Boccaletti, A., Bazzon, A., Baruffolo, A., Beuzit, J. L., Claudi, R., Costille, A., Desidera, S., Dohlen, K., Dominik, C., Feldt, M., Fusco, T., Ginski, C., Gisler, D., Girard, J. H., Gratton, R., Henning, Th., Hubin, N., Janson, M., Kasper, M., Kral, Q., Langlois, M., Lagadec, E., Ménard, F., Meyer, M. R., Milli, J., Mouillet, D., Olofsson, J., Pavlov, A., Pragt, J., Puget, P., Quanz, S. P., Roelfsema, R., Salasnich, B., Siebenmorgen, R., Sissa, E., Suarez, M., Szulagyi, J., Turatto, M., Udry, S., Wildi, F.: The HIP 79977 Debris Disk in Polarized Light. *Astron. Astrophys.* 607 (2017), A90.
879. Liu, Y., Henning, Th., Carrasco-González, C., Chandler, C. J., Linz, H., Birnstiel, T., van Boekel, R., Pérez, L. M., Flock, M., Testi, L., Rodríguez, L. F., Galván-Madrid, R.: The Properties of the inner disk around HL Tau: Multi-wavelength Modeling of the DDust Emission. *Astron. Astrophys.* 607 (2017), A74.
880. Pearce, B. K. D., Pudritz, R. E., Semenov, D. A., Henning, Th.: Origin of the RNA World: The Fate of Nucleobases in Warm Little Ponds. *PNAS* 114 (2017), 11327.
881. Krasnokutski, S. A., Goulart, M., Gordon, E. B., Ritsch, A., Jäger, C., Rastogi, M., Salvenmoser, W., Henning, Th., Scheier, P.: Low-temperature Condensation of Carbon. *Astrophys. J.* 847 (2017), 89.
882. Samland, M., Mollière, P., Bonnefoy, M., Maire, A.-L., Cantalloube, F., Cheetham, A. C., Mesa, D., Gratton, R., Biller, B. A., Wahhaj, Z., Bouwman, J., Brandner, W., Melnick, D., Carson, J., Janson, M., Henning, Th., Homeier, D., Mordasini, C., Langlois, M., Quanz, S. P., van Boekel, R., Zurlo, A., Schlieder, J. E., Avenhaus, H., Beuzit, J.-L., Boccaletti, A., Bonavita, M., Chauvin, G., Claudi, R., Cudel, M., Desidera, S., Feldt, M., Fusco, T., Galicher, R., Kopytova, T. G., Lagrange, A.-M., Le Coroller, H., Martinez, P., Moeller-Nilsson, O., Mouillet, D., Mugnier, L. M., Perrot, C., Sevin, A., Sissa, E., Vigan, A., Weber, L.: Spectral and Atmospheric

Characterization of 51 Eridani b using VLT/SPHERE. *Astron. Astrophys.* 603 (2017), A57.

883. Parfenov, S. Y., Semenov, D. A., Henning, Th., Shapovalova, A. S., Sobolev, A. M., Teague, R.: On the Methanol Emission Detection in the TW Hya Disc: The Role of Grain Surface Chemistry and non-LTE Excitation. *MNRAS* 468 (2017), 2024.
884. Bento, J., Schmidt, B., Hartman, J. D., Bakos, G. Á., Ciceri, S., Brahm, R., Bayliss, D., Espinoza, N., Zhou, G., Rabus, M., Bhatti, W., Penev, K., Csubry, Z., Jordán, A., Mancini, L., Henning, Th., de Val-Borro, M., Tinney, C. G., Wright, D. J., Durkan, S., Suc, V., Noyes, R., Lázár, J., Papp, I., Sári, P.: HATS-22b, HATS-23b and HATS-24b: Three new Transiting Super-Jupiters from the HATSouth Project. *MNRAS* 468 (2017), 835.
885. Beuther, H., Walsh, A. J., Johnston, K. G., Henning, Th., Kuiper, R., Longmore, S. N., Walmsley, C. M.: Fragmentation and Disk Formation in High-mass Star Formation: The ALMA view of G351.77-0.54 at 0.06" Resolution. *Astron. Astrophys.* 603 (2017), A10.
886. Vigan, A., Bonavita, M., Biller, B., Forgan, D., Rice, K., Chauvin, G., Desidera, S., Meunier, J.-C., Delorme, P., Schlieder, J. E., Bonnefoy, M., Carson, J., Covino, E., Hagelberg, J., Henning, Th., Janson, M., Lagrange, A.-M., Quanz, S. P., Zurlo, A., Beuzit, J.-L., Boccaletti, A., Buenzli, E., Feldt, M., Girard, J. H. V., Gratton, R., Kasper, M., Le Coroller, H., Mesa, D., Messina, S., Meyer, M., Montagnier, G., Mordasini, C., Mouillet, D., Moutou, C., Reggiani, M., Segransan, D., Thalmann, C.: The VLT/NaCo Large Program to Probe the Occurrence of Exoplanets and Brown Dwarfs at Wide Orbits. IV. Gravitational Instability Rarely Forms Wide, Giant Planets. *Astron. Astrophys.* 603 (2017), A3.
887. Feldt, M., Olofsson, J., Boccaletti, A., Maire, A. L., Milli, J., Vigan, A., Langlois, M., Henning, Th., Moor, A., Bonnefoy, M., Wahhaj, Z., Desidera, S., Gratton, R., Kóspál, Á., Abraham, P., Menard, F., Chauvin, G., Lagrange, A. M., Mesa, D., Salter, G., Buenzli, E., Lannier, J., Perrot, C., Peretti, S., Sissa, E.: SPHERE/SHINE Reveals Concentric Rings in the Debris Disk of HIP 73145. *Astron. Astrophys.* 601 (2017), A7.
888. Alsubai, K., Mislis, D., Tsvetanov, Z. I., Latham, D. W., Bieryla, A., Buchhave, L. A., Esquerdo, G. A., Bramich, D. M., Pyrzas, S., Vilchez, N. P. E., Mancini, L., Southworth, J., Evans, D. F., Henning, Th., Ciceri, S.: Qatar Exoplanet Survey : Qatar-3b, Qatar-4b, and Qatar-5b. *Astron. J.* 153 (2017), 200.
889. Southworth, J., Mancini, L., Madhusudhan, N., Mollière, P., Ciceri, S., Henning, Th.: Detection of the Atmosphere of the 1.6 $M_{\oplus}$ Exoplanet GJ 1132 b. *Astron. J.* 153 (2017), 191.
890. Csengeri, T., Bontemps, S., Wyrowski, F., Motte, F., Menten, K. M., Beuther, H., Bronfman, L., Commerçon, B., Chapillon, E., Duarte-Cabral, A., Fuller, G. A., Henning, Th., Leurini, S., Longmore, S., Palau, A., Peretto, N., Schuller, F., Tan,

- J. C., Testi, L., Traficante, A., Urquhart, J. S.: ALMA Survey of Massive Cluster Progenitors from ATLASGAL. Limited fragmentation at the early evolutionary Stage of Massive Clumps. *Astron. Astrophys.* 600 (2017), L10.
891. Kainulainen, J., Stutz, A. M., Stanke, T., Abreu-Vicente, J., Beuther, H., Henning, Th., Johnston, K. G., Megeath, S. T.: Resolving the Fragmentation of High Line-Mass Filaments with ALMA: the Integral Shaped Filament in Orion A. *Astron. Astrophys.* 600 (2017), A141.
892. Fedele, D., Carney, M., Hogerheijde, M. R., Walsh, C., Miotello, A., Klaassen, P., Bruderer, S., Henning, Th., van Dishoeck, E. F.: ALMA Unveils Rings and Gaps in the Protoplanetary System HD 169142: Signatures of two Giant Protoplanets. *Astron. Astrophys.* 600 (2017), A72.
893. Mollière, P., van Boekel, R., Bouwman, J., Henning, Th., Lagage, P.-O., Min, M.: Observing transiting planets with JWST. Prime Targets and their Synthetic Spectral Observations. *Astron. Astrophys.* 600 (2017), A10.
894. van Boekel, R., Henning, Th., Menu, J., de Boer, J., Langlois, M., Müller, A., Avenhaus, H., Boccaletti, A., Schmid, H. M., Thalmann, C., Benisty, M., Dominik, C., Ginski, C., Girard, J. H., Gisler, D., Lobo Gomes, A., Menard, F., Min, M., Pavlov, A., Pohl, A., Quanz, S. P., Rabou, P., Roelfsema, R., Sauvage, J.-F., Teague, R., Wildi, F., Zurlo, A.: Three Radial Gaps in the Disk of TW Hydrae Imaged with SPHERE. *Astrophys. J.* 837 (2017), 132.
895. Voshchinnikov, N. V., Henning, Th., Il'in, V. B.: Mid-infrared Extinction and Fresh Silicate Dust towards the Galactic Center. *Astrophys. J.* 837 (2017), 25.
896. Uyama, T., Hashimoto, J., Kuzuhara, M., Mayama, S., Akiyama, E., Currie, T., Livingston, J., Kudo, T., Kusakabe, N., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Kandori, R., Knapp, G. R., Kwon, J., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J., Yamada, T., Takami, H., Usuda, T., Tamura, M.: The SEEDS High-contrast Imaging Survey of Exoplanets around Young Stellar Objects. *Astron. J.* 153 (2017), 106.
897. Kipping, D. M., Cameron, C., Hartman, J. D., Davenport, J. R. A., Matthews, J. M., Sasselov, D., Rowe, J., Siverd, R. J., Chen, J., Sandford, E., Bakos, G. Á., Jordán, A., Bayliss, D., Henning, Th., Mancini, L., Penev, K., Csubry, Z., Bhatti, W., Da Silva Bento, J., Guenther, D. B., Kuschnig, R., Moffat, A. F. J., Rucinski, S. M., Weiss, W. W.: No Conclusive Evidence for Transits of Proxima b in MOST Photometry. *AJ* 153 (2017), 93.
898. Milli, J., Vigan, A., Mouillet, D., Lagrange, A.-M., Augereau, J.-C., Pinte, C., Mawet, D., Schmid, H. M., Boccaletti, A., Matrà, L., Kral, Q., Ertel, S., Chauvin, G., Bazzon, A., Ménard, F., Beuzit, J.-L., Thalmann, C., Dominik, C., Feldt,

- M., Henning, Th., Min, M., Girard, J. H., Galicher, R., Bonnefoy, M., Fusco, T., de Boer, J., Janson, M., Maire, A.-L., Mesa, D., Schlieder, J. E.: SPHERE Consortium Near-infrared scattered light properties of the HR 4796 A dust ring. A Measured Scattering Phase Function from 13.6° to 166.6° . *Astron. Astrophys.* 599 (2017), A108.
899. Janson, M., Durkan, S., Hippler, S., Dai, X., Brandner, W., Schlieder, J., Bonnefoy, M., Henning, Th.: Binaries among Low-mass Stars in Nearby Young Moving Groups. *Astron. Astrophys.* 599 (2017), A70.
900. Lam, K. W. F., Faedi, F., Brown, D. J. A., Anderson, D. R., Delrez, L., Gillon, M., Hébrard, G., Lendl, M., Mancini, L., Southworth, J., Smalley, B., Triaud, A. H. M., Turner, O. D., Hay, K. L., Armstrong, D. J., Barros, S. C. C., Bonomo, A. S., Bouchy, F., Boumis, P., Collier Cameron, A., Doyle, A. P., Hellier, C., Henning, Th., Jehin, E., King, G., Kirk, J., Loudon, T., Maxted, P. F. L., McCormac, J. J., Osborn, H. P., Pallé, E., Pepe, F., Pollacco, D., Prieto-Arranz, J., Queloz, D., Rey, J., Ségransan, D., Udry, S., Walker, S., West, R. G., Wheatley, P. J.: From Dense hot Jupiter to Low-density Neptune: The Discovery of WASP-127b, WASP-136b, and WASP-138b. *Astron. Astrophys.* 599 (2017), A3.
901. Kóspál, Á., Ábrahám, P., Csengeri, T., Henning, Th., Moór, A., Güsten, R.: Cold CO Gas in the Envelopes of FU Orionis-type Young Eruptive Stars. *Astrophys. J.* 836 (2017), 226.
902. Carmona, A., Thi, W. F., Kamp, I., Baruteau, C., Matter, A., van den Ancker, M., Pinte, C., Kóspál, A., Audard, M., Liebhart, A., Sicilia-Aguilar, A., Pinilla, P., Regály, Z., Güdel, M., Henning, Th., Cieza, L. A., Baldovin-Saavedra, C., Meeus, G., Eiroa, C.: A gas density drop in the inner 6 AU of the transition disk around the Herbig Ae star HD 139614. Further Evidence for a Giant Planet inside the Disk? *Astron. Astrophys.* 598 (2017), A118.
903. Hendler, N. P., Pinilla, P., Pascucci, I., Pohl, A., Mulders, G., Henning, T., Dong, R., Clarke, C., Owen, J., Hollenbach, D.: A Likely Planet-Induced Gap in the Disc around T Cha. *MNRAS* 475 (2018), L62.
904. Tregloan-Reed, J., Southworth, J., Mancini, L., Mollière, P., Ciceri, S., Bruni, I., Ricci, D., Ayala-Loera, C., Henning, Th.: Possible Detection of a Bimodal Cloud Distribution in the Atmosphere of HAT-P-32 A b from Multiband Photometry. *MNRAS* 474 (2018), 5485.
905. Brahm, R., Hartman, J. D., Jordán, A., Bakos, G. Á., Espinoza, N., Rabus, M., Bhatti, W., Penev, K., Sarkis, P., Suc, V., Csubry, Z., Bayliss, D., Bento, J., Zhou, G., Mancini, L., Henning, Th., Ciceri, S., de Val-Borro, M., Shectman, S., Crane, J. D., Arriagada, P., Butler, P., Teske, J., Thompson, I., Osip, D., Díaz, M., Schmidt, B., Lázár, J., Papp, I., Sári, P.: HATS-43b, HATS-44b, HATS-45b, and HATS-46b: Four Short-period Transiting Giant Planets in the Neptune-Jupiter Mass Range. *Astron. J.* 155 (2018), 112.

906. Chira, R.-A., Kainulainen, J., Ibáñez-Mejía, J. C., Henning, T., Mac Low, M.-M.: On the Fragmentation of Filaments in a Molecular Cloud Simulation. *Astron. Astrophys.* 610 (2018), A62.
907. Carone, L., Keppens, R., Decin, L., Henning, Th.: Stratosphere Circulation on Tidally Locked ExoEarths. *MNRAS* 473 (2018), 4672.
908. Biller, B. A., Vos, J., Buenzli, E., Allers, K., Bonnefoy, M., Charnay, B., Bézard, B., Allard, F., Homeier, D., Bonavita, M., Brandner, W., Crossfield, I., Dupuy, T., Henning, Th., Kopytova, T., Liu, M. C., Manjavacas, E., Schlieder, J.: Simultaneous Multi-wavelength Variability Characterization of the Free-floating Planetary-mass Object PSO J318.5-22. *Astron. J.* 155 (2018), 95.
909. Henning, Th., Mancini, L., Sarkis, P., Bakos, G. Á., Hartman, J. D., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Ciceri, S., Csubry, Z., de Val-Borro, M., Espinoza, N., Fulton, B. J., Howard, A. W., Isaacson, H. T., Jordán, A., Marcy, G. W., Penev, K., Rabus, M., Suc, V., Tan, T. G., Tinney, C. G., Wright, D. J., Zhou, G., Durkan, S., Lazar, J., Papp, I., Sari, P.: HATS-50b through HATS-53b: Four Transiting Hot Jupiters Orbiting G-type Stars Discovered by the HATSouth Survey. *Astron. J.* 155 (2018), 79.
910. Schneider, G., Debes, J. H., Grady, C. A., Gáspár, A., Henning, Th., Hines, D. C., Kuchner, M. J., Perrin, M., Wisniewski, J. P.: The HR 4796A Debris System: Discovery of Extensive Exo-ring Dust Material. *Astron. J.* 155 (2018), 77.
911. Reiners, A., Ribas, I., Zechmeister, M., Caballero, J. A., Trifonov, T., Dreizler, S., Morales, J. C., Tal-Or, L., Lafarga, M., Quirrenbach, A., Amado, P. J., Kaminski, A., Jeffers, S. V., Aceituno, J., Béjar, V. J. S., Guàrdia, J., Guenther, E. W., Hagen, H.-J., Montes, D., Passegger, V. M., Seifert, W., Schweitzer, A., Cortés-Contreras, M., Abril, M., Alonso-Floriano, F. J., Eiff, M. A.-v., Antona, R., Anglada-Escudé, G., Anwand-Heerwart, H., Arroyo-Torres, B., Azzaro, M., Baroch, D., Barrado, D., Bauer, F. F., Becerril, S., Benítez, D., Berdiñas, Z. M., Bergond, G., Blümcke, M., Brinkmüller, M., del Burgo, C., Cano, J., Cárdenas Vázquez, M. C., Casal, E., Cifuentes, C., Claret, A., Colomé, J., Czesla, S., Díez-Alonso, E., Feiz, C., Fernández, M., Ferro, I. M., Fuhrmeister, B., Galadí-Enríquez, D., García-Piquer, A., García Vargas, M. L., Gesa, L., Gómez Galera, V., González Hernández, J. I., González-Peinado, R., Grözing, U., Grohnert, S., Guijarro, A., de Guindos, E., Gutiérrez-Soto, J., Hatzes, A. P., Hauschildt, P. H., Hedrosa, R. P., Helmling, J., Henning, Th., Hermelo, I., Hernández Arabí, R., Hernández Castaño, L., Hernández Hernando, F., Herrero, E., Huber, A., Huke, P., Johnson, E. N., de Juan, E., Kim, M., Klein, R., Klüter, J., Klutsch, A., Kürster, M., Labarga, F., Lamert, A., Lampón, M., Lara, L. M., Laun, W., Lemke, U., Lenzen, R., Launhardt, R., López del Fresno, M., López-González, M. J., López-Puertas, M., López Salas, J. F., López-Santiago, J., Luque, R., Magán Madinabeitia, H., Mall, U., Mancini, L., Mandel, H., Marfil, E., Marín Molina, J. A., Maroto Fernández, D., Martín, E. L., Martín-Ruiz, S., Marvin, C. J., Mathar, R. J., Mirabet, E., Moreno-Raya, M. E., Moya, A., Mundt, R., Nagel, E., Naranjo, V., Nortmann, L., Nowak, G., Ofir, A., Oreiro, R., Pallé, E., Panduro, J.,

Pascual, J., Pavlov, A., Pedraz, S., Pérez-Calpena, A., Pérez Medialdea, D., Perger, M., Perryman, M. A. C., Pluto, M., Rabaza, O., Ramón, A., Rebolo, R., Redondo, P., Reffert, S., Reinhardt, S., Rhode, P., Rix, H.-W., Rodler, F., Rodríguez, E., Rodríguez-López, C., Rodríguez Trinidad, A., Rohloff, R.-R., Rosich, A., Sadegi, S., Sánchez-Blanco, E., Sánchez Carrasco, M. A., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L. F., Schäfer, S., Schmitt, J. H. M. M., Schiller, J., Schöfer, P., Solano, E., Stahl, O., Strachan, J. B. P., Stürmer, J., Suárez, J. C., Tabernero, H. M., Tala, M., Tulloch, S. M., Ulbrich, R.-G., Veredas, G., Vico Linares, J. I., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Xu, W., Yan, F., Zapatero Osorio, M. R.: The CARMENES Search for Exoplanets around M-Dwarfs. HD147379 b: A nearby Neptune in the Temperate Zone of an Early-M Dwarf. *Astron. Astrophys.* 609 (2018), L5.

912. Trifonov, T., Kürster, M., Zechmeister, M., Tal-Or, L., Caballero, J. A., Quirrenbach, A., Amado, P. J., Ribas, I., Reiners, A., Reffert, S., Dreizler, S., Hatzes, A. P., Kaminski, A., Launhardt, R., Henning, Th., Montes, D., Béjar, V. J. S., Mundt, R., Pavlov, A., Schmitt, J. H. M. M., Seifert, W., Morales, J. C., Nowak, G., Jeffers, S. V., Rodríguez-López, C., del Burgo, C., Anglada-Escudé, G., López-Santiago, J., Mathar, R. J., Ammler-von Eiff, M., Guenther, E. W., Barrado, D., González Hernández, J. I., Mancini, L., Stürmer, J., Abril, M., Aceituno, J., Alonso-Floriano, F. J., Antona, R., Anwand-Heerwart, H., Arroyo-Torres, B., Azzaro, M., Baroch, D., Bauer, F. F., Becerril, S., Benítez, D., Berdiñas, Z. M., Bergond, G., Blümcke, M., Brinkmüller, M., Cano, J., Cárdenas Vázquez, M. C., Casal, E., Cifuentes, C., Claret, A., Colomé, J., Cortés-Contreras, M., Czesla, S., Díez-Alonso, E., Feiz, C., Fernández, M., Ferro, I. M., Fuhrmeister, B., Galadí-Enríquez, D., Garcia-Piquer, A., García Vargas, M. L., Gesa, L., Gómez Galera, V., González-Peinado, R., Grözing, U., Grohnert, S., Guàrdia, J., Guijarro, A., de Guindos, E., Gutiérrez-Soto, J., Hagen, H.-J., Hauschildt, P. H., Hedrosa, R. P., Helmling, J., Hermelo, I., Hernández Arabí, R., Hernández Castaño, L., Hernández Hernando, F., Herrero, E., Huber, A., Huke, P., Johnson, E., de Juan, E., Kim, M., Klein, R., Klüter, J., Klutsch, A., Lafarga, M., Lampón, M., Lara, L. M., Laun, W., Lemke, U., Lenzen, R., López del Fresno, M., López-González, M. J., López-Puertas, M., López Salas, J. F., Luque, R., Magán Madinabeitia, H., Mall, U., Mandel, H., Marfil, E., Marín Molina, J. A., Maroto Fernández, D., Martín, E. L., Martín-Ruiz, S., Marvin, C. J., Mirabet, E., Moya, A., Moreno-Raya, M. E., Nagel, E., Naranjo, V., Nortmann, L., Ofir, A., Oreiro, R., Pallé, E., Panduro, J., Pascual, J., Passegger, V. M., Pedraz, S., Pérez-Calpena, A., Pérez Medialdea, D., Perger, M., Perryman, M. A. C., Pluto, M., Rabaza, O., Ramón, A., Rebolo, R., Redondo, P., Reinhardt, S., Rhode, P., Rix, H.-W., Rodler, F., Rodríguez, E., Rodríguez Trinidad, A., Rohloff, R.-R., Rosich, A., Sadegi, S., Sánchez-Blanco, E., Sánchez Carrasco, M. A., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L. F., Schäfer, S., Schiller, J., Schöfer, P., Schweitzer, A., Solano, E., Stahl, O., Strachan, J. B. P., Suárez, J. C., Tabernero, H. M., Tala, M., Tulloch, S. M., Veredas, G., Vico Linares, J. I., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Xu, W., Yan, F., Zapatero Osorio, M. R.: The CARMENES Search for Exoplanets around M Dwarfs. First Visual-channel

Radial-velocity Measurements and Orbital Parameter Updates of Seven M-Dwarf Planetary Systems. *Astron. Astrophys.* 609 (2018), A117.

913. Bento, J., Hartman, J. D., Bakos, G. Á., Bhatti, W., Csubry, Z., Penev, K., Bayliss, D., de Val-Borro, M., Zhou, G., Brahm, R., Espinoza, N., Rabus, M., Jordán, A., Suc, V., Ciceri, S., Sarkis, P., Henning, Th., Mancini, L., Tinney, C. G., Wright, D. J., Durkan, S., Tan, T. G., Lázár, J., Papp, I., Sári, P.: HATS-39b, HATS-40b, HATS-41b, and HATS-42b: Three Inflated Hot Jupiters and a Super-Jupiter Transiting F Stars. *MNRAS* 477 (2018), 3406.
914. Yu, L., Crossfield, I. J. M., Schlieder, J. E., Kosiarek, M. R., Feinstein, A. D., Livingston, J. H., Howard, A. W., Benneke, B., Petigura, E. A., Bristow, M., Christiansen, J. L., Ciardi, D. R., Crepp, J. R., Dressing, C. D., Fulton, B. J., Gonzales, E. J., Hardegree-Ullman, K. K., Henning, T., Isaacson, H., Lépine, S., Martinez, A. O., Morales, F. Y., Sinukoff, E.: Planetary Candidates from K2 Campaign 16. *Astron. J.* 156 (2018), 22.
915. Brahm, R., Espinoza, N., Jordán, A., Rojas, F., Sarkis, P., Díaz, M. R., Rabus, M., Drass, H., Lachaume, R., Soto, M. G., Jenkins, J. S., Jones, M. I., Henning, Th., Pantoja, B., Vučković, M.: K2-232 b: a Transiting Warm Saturn on an Eccentric $P = 11.2$ d Orbit around a $V = 9.9$ star. *MNRAS* 477 (2018), 2572.
916. Carney, M. T., Fedele, D., Hogerheijde, M. R., Favre, C., Walsh, C., Bruderer, S., Miotello, A., Murillo, N. M., Klaassen, P. D., Henning, Th., van Dishoeck, E. F.: Probing Midplane CO Abundance and Gas Temperature with DCO⁺ in the Protoplanetary Disk around HD 169142. *Astron. Astrophys.* 614 (2018), A106.
917. Boccaletti, A., Sezestre, E., Lagrange, A.-M., Thébault, P., Gratton, R., Langlois, M., Thalmann, C., Janson, M., Delorme, P., Augereau, J.-C., Schneider, G., Milli, J., Grady, C., Debes, J., Kral, Q., Olofsson, J., Carson, J., Maire, A. L., Henning, Th., Wisniewski, J., Schlieder, J., Dominik, C., Desidera, S., Ginski, C., Hines, D., Ménard, F., Mouillet, D., Pawellek, N., Vigan, A., Lagadec, E., Avenhaus, H., Beuzit, J.-L., Biller, B., Bonavita, M., Bonnefoy, M., Brandner, W., Cantalloube, F., Chauvin, G., Cheetham, A., Cudel, M., Gry, C., Daemgen, S., Feldt, M., Galicher, R., Girard, J., Hagelberg, J., Janin-Potiron, P., Kasper, M., Coroller, H. L., Mesa, D., Peretti, S., Perrot, C., Samland, M., Sissa, E., Wildi, F., Zurlo, A., Rochat, S., Stadler, E., Gluck, L., Origné, A., Llored, M., Baudoz, P., Rousset, G., Martinez, P., Rigal, F.: Observations of Fast-moving Features in the Debris Disk of AU Mic on a Three-year Timescale: Confirmation and New Discoveries. *Astron. Astrophys.* 614 (2018), A52.
918. Dipierro, G., Ricci, L., Pérez, L., Lodato, G., Alexander, R. D., Laibe, G., Andrews, S., Carpenter, J. M., Chandler, C. J., Greaves, J. A., Hall, C., Henning, Th., Kwon, W., Linz, H., Mundy, L., Sargent, A., Tazzari, M., Testi, L., Wilner, D.: Rings and Gaps in the Disc around Elias 24 Revealed by ALMA. *MNRAS* 475 (2018), 5296.
919. Bayliss, D., Hartman, J. D., Zhou, G., Bakos, G. Á., Vanderburg, A., Bento, J., Mancini, L., Ciceri, S., Brahm, R., Jordán, A., Espinoza, N., Rabus, M., Tan, T. G.,

- Penev, K., Bhatti, W., de Val-Borro, M., Suc, V., Csubry, Z., Henning, Th., Sarkis, P., Lázár, J., Papp, I., Sári, P.: HATS-36b and 24 Other Transiting/Eclipsing Systems from the HATSouth-K2 Campaign 7 Program. *Astron. J.* 155 (2018), 119.
920. Lazzoni, C., Desidera, S., Marzari, F., Boccaletti, A., Langlois, M., Mesa, D., Gratton, R., Kral, Q., Pawellek, N., Olofsson, J., Bonnefoy, M., Chauvin, G., Lagrange, A. M., Vigan, A., Sissa, E., Antichi, J., Avenhaus, H., Baruffolo, A., Baudino, J. L., Bazzon, A., Beuzit, J. L., Biller, B., Bonavita, M., Brandner, W., Bruno, P., Buenzli, E., Cantalloube, F., Cascone, E., Cheetham, A., Claudi, R. U., Cudel, M., Daemgen, S., De Caprio, V., Delorme, P., Fantinel, D., Farisato, G., Feldt, M., Galicher, R., Ginski, C., Girard, J., Giro, E., Janson, M., Hagelberg, J., Henning, T., Incorvaia, S., Kasper, M., Kopytova, T., LeCoroller, H., Lessio, L., Ligi, R., Maire, A. L., Ménard, F., Meyer, M., Milli, J., Mouillet, D., Peretti, S., Perrot, C., Rouan, D., Samland, M., Salasnich, B., Salter, G., Schmidt, T., Scuderi, S., Sezestre, E., Turatto, M., Udry, S., Wildi, F., Zurlo, A.: Dynamical Models to Explain Observations with SPHERE in Planetary Systems with Double Debris Belts. *Astron. Astrophys.* 611 (2018), A43.
921. Evans, D. F., Southworth, J., Smalley, B., Jørgensen, U. G., Dominik, M., Andersen, M. I., Bozza, V., Bramich, D. M., Burgdorf, M. J., Ciceri, S., D'Ago, G., Figuera Jaimes, R., Gu, S.-H., Hinse, T. C., Henning, Th., Hundertmark, M., Kains, N., Kerins, E., Korhonen, H., Kokotanekova, R., Kuffmeier, M., Longa-Peña, P., Mancini, L., MacKenzie, J., Popovas, A., Rabus, M., Rahvar, S., SAstron. J.adian, S., Snodgrass, C., Skottfelt, J., Surdej, J., Tronsgaard, R., Unda-Sanzana, E., von Essen, C., Wang, Y.-B., Wertz, O.: High-resolution Imaging of Transiting Extrasolar Planetary Systems (HITEP). II. Lucky Imaging Results from 2015 and 2016. *Astron. Astrophys.* 610 (2018), A20.
922. Beuther, H., Soler, J. D., Vlemmings, W., Linz, H., Henning, Th., Kuiper, R., Rao, R., Smith, R., Sakai, T., Johnston, K., Walsh, A., Feng, S.: Magnetic Fields at the Onset of High-mass Star Formation. *Astron. Astrophys.* 614 (2018), A64.
923. Rebollido, I., Eiroa, C., Montesinos, B., Maldonado, J., Villaver, E., Absil, O., Bayo, A., Canovas, H., Carmona, A., Chen, C., Ertel, S., Garufi, A., Henning, Th., Iglesias, D. P., Launhardt, R., Liseau, R., Meeus, G., Moór, A., Mora, A., Olofsson, J., Rauw, G., Riviere-Marichalar, P.: The Co-Existence of Hot and Cold Gas in Debris Discs. *Astron. Astrophys.* 614 (2018), A3.
924. Long, Z. C., Akiyama, E., Sitko, M., Fernandes, R. B., Assani, K., Grady, C. A., Cure, M., Danchi, W. C., Dong, R., Fukagawa, M., Hasegawa, Y., Hashimoto, J., Henning, Th., Inutsuka, S.-I., Kraus, S., Kwon, J., Lisse, C. M., Baobabu Liu, H., Mayama, S., Muto, T., Nakagawa, T., Takami, M., Tamura, M., Currie, T., Wisniewski, J. P., Yang, Y.: Differences in the Gas and Dust Distribution in the Transitional Disk of a Sun-like Young Star, PDS 70. *Astrophys. J.* 858 (2018), 112.
925. Mancini, L., Esposito, M., Covino, E., Southworth, J., Biazzo, K., Bruni, I., Ciceri, S., Evans, D., Lanza, A. F., Poretti, E., Sarkis, P., Smith, A. M. S., Brogi, M.,

- Affer, L., Benatti, S., Bignamini, A., Boccato, C., Bonomo, A. S., Borsa, F., Carleo, I., Claudi, R., Cosentino, R., Damasso, M., Desidera, S., Giacobbe, P., González-Álvarez, E., Gratton, R., Harutyunyan, A., Leto, G., Maggio, A., Malavolta, L., Maldonado, J., Martinez-Florenzano, A., Masiero, S., Micela, G., Molinari, E., Nascimbene, V., Pagano, I., Pedani, M., Piotto, G., Rainer, M., Scandariato, G., Smareglia, R., Sozzetti, A., Andreuzzi, G., Henning, Th.: The GAPS programme with HARPS-N at TNG. XVI. Measurement of the Rossiter-McLaughlin Effect of Transiting Planetary Systems HAT-P-3, HAT-P-12, HAT-P-22, WASP-39, and WASP-60. *Astron. Astrophys.* 613 (2018), A41.
926. Zhukovska, S., Henning, Th., Dobbs, C.: Iron and Silicate Dust Growth in the Galactic Interstellar Medium: Clues from Element Depletions. *Astrophys. J.* 857 (2018), 94.
927. Udalski, A., Ryu, Y.-H., Sajadian, S., Gould, A., Mróz, P., Poleski, R., Szymański, M. K., Skowron, J., Soszyński, I., Kozłowski, S., Pietrukowicz, P., Ulaczyk, K., Pawlak, M., Rybicki, K., Iwanek, P., Albrow, M. D., Chung, S.-J., Han, C., Hwang, K.-H., Jung, Y., K., Shin, I.-G., Shvartzvald, Y., Yee, J. C., Zang, W., Zhu, W., Cha, S.-M., Kim, D.-J., Kim, H.-W., Kim, S.-L., Lee, C.-U., Lee, D.-J., Lee, Y., Park, B.-G., Pogge, R. W., Bozza, V., Dominik, M., Helling, C., Hundertmark, M., Jørgensen, U. G., Longa-Peña, P., Lowry, S., Burgdorf, M., Campbell-White, J., Ciceri, S., Evans, D., Figuera Jaimes, R., Fujii, Y. I., Haikala, L. K., Henning, Th., Hinse, T. C., Mancini, L., Peixinho, N., Rahvar, S., Rabus, M., Skottfelt, J., Snodgrass, C., Southworth, J., von Essen, C.: OGLE-2017-BLG-1434Lb: Eighth $q < 1 \times 10^{-4}$ Mass-Ratio Microlens Planet Confirms Turnover in Planet Mass-Ratio Function. *Acta Astronomica* 68, (2018), 1.
928. Yang, Y., Mayama, S., Hayashi, S. S., Hashimoto, J., Rafikov, R., Akiyama, E., Currie, T., Janson, M., Momose, M., Nakagawa, T., Oh, D., Kudo, T., Kusakabe, N., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Egner, S., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Kandori, R., Knapp, G. R., Kwon, J., Kuzuhara, M., Matsuo, T., Mcelwain, M. W., Miyama, S., Morino, J.-I., Moro-martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J., Yamada, T., Takami, H., Usuda, T., Tamura, M.: High-contrast Polarimetry Observation of the T Tau Circumstellar Environment. *Astrophys. J.* 861 (2018), 133.
929. Potapov, A., Mutschke, H., Seeber, P., Henning, Th., Jäger, C.: Low-temperature Optical Properties of Interstellar and Circumstellar Icy Silicate Grain Analogs in the Mid-infrared Spectral Region. *Astrophys. J.* 861 (2018), 84.
930. Tripathi, A., Andrews, S. M., Birnstiel, T., Chandler, C. J., Isella, A., Pérez, L. M., Harris, R. J., Ricci, L., Wilner, D. J., Carpenter, J. M., Calvet, N., Corder, S. A., Deller, A. T., Dullemond, C. P., Greaves, J. S., Henning, Th., Kwon, W., Lazio, J.,

- Linz, H., Testi, L.: The Millimeter Continuum Size-Frequency Relationship in the UZ Tau E Disk. *Astrophys. J.* 861 (2018), 64 .
931. Sadavoy, S. I., Myers, P. C., Stephens, I. W., Tobin, J., Commerçon, B., Henning, Th., Looney, L., Kwon, W., Segura-Cox, D., Harris, R.: Dust Polarization toward Embedded Protostars in Ophiuchus with ALMA. I. VLA 1623. *Astrophys. J.* 859 (2018), 165
932. Ligi, R., Vigan, A., Gratton, R., de Boer, J., Benisty, M., Boccaletti, A., Quanz, S. P., Meyer, M., Ginski, C., Sissa, E., Gry, C., Henning, Th., Beuzit, J.-L., Biller, B., Bonnefoy, M., Chauvin, G., Cheetham, A. C., Cudel, M., Delorme, P., Desidera, S., Feldt, M., Galicher, R., Girard, J., Janson, M., Kasper, M., Kopytova, T., Lagrange, A.-M., Langlois, M., Lecoroller, H., Maire, A.-L., Ménard, F., Mesa, D., Peretti, S., Perrot, C., Pinilla, P., Pohl, A., Rouan, D., Stolker, T., Samland, M., Wahhaj, Z., Wildi, F., Zurlo, A., Buey, T., Fantinel, D., Fusco, T., Jaquet, M., Moulin, T., Ramos, J., Suarez, M., Weber, L.: Investigation of the Inner Structures around HD 169142 with VLT/SPHERE. *MNRAS* 473 (2018), 1774.
933. Langlois, M., Pohl, A., Lagrange, A.-M., Maire, A.-L., Mesa, D., Boccaletti, A., Gratton, R., Denneulin, L., Klahr, H., Vigan, A., Benisty, M., Dominik, C., Bonnefoy, M., Menard, F., Avenhaus, H., Cheetham, A., Van Boekel, R., de Boer, J., Chauvin, G., Desidera, S., Feldt, M., Galicher, R., Ginski, C., Girard, J. H., Henning, Th., Janson, M., Kopytova, T., Kral, Q., Ligi, R., Messina, S., Peretti, S., Pinte, C., Sissa, E., Stolker, T., Zurlo, A., Magnard, Y., Blanchard, P., Buey, T., Suarez, M., Cascone, E., Moller-Nilsson, O., Weber, L., Petit, C., Pragt, J.: First Scattered Light Detection of a Nearly Edge-on Transition Disk around the T Tauri Star RY Lupi. *Astron. Astrophys.* 614 (2018), A88.
934. Röser, S., Schilbach, E., Goldman, B., Henning, Th., Moor, A., Derekas, A.: A New Compact young Moving Group around V1062 Scorpii. *Astron. Astrophys.* 614 (2018), A81.
935. Iglesias, D., Bayo, A., Olofsson, J., Wahhaj, Z., Eiroa, C., Montesinos, B., Rebollido, I., Smoker, J., Sbordone, L., Schreiber, M. R., Henning, Th.: Debris Discs with Multiple Absorption Features in Metallic Lines: Circumstellar or Interstellar Origin? *MNRAS* 480 (2018), 488.
936. Wagner, K., Follete, K. B., Close, L. M., Apai, D., Gibbs, A., Keppler, M., Müller, A., Henning, Th., Kasper, M., Wu, Y.-L., Long, J., Males, J., Morzinski, K., McClure, M.: Magellan Adaptive Optics Imaging of PDS 70: Measuring the Mass Accretion Rate of a Young Giant Planet within a Gapped Disk. *Astrophys. J.* 863 (2018), L8.
937. Long, F., Herczeg, G. J., Pascucci, I., Apai, D., Henning, Th., Manara, C. F., Mulders, G. D., Szűcs, L., Hendler, N. P.: An ALMA Survey of Faint Disks in the Chamaeleon I Star-forming Region: Why Are Some Class II Disks so Faint? *Astrophys. J.* 863 (2018), 61.

938. Maire, A.-L., Rodet, L., Lazzoni, C., Boccaletti, A., Brandner, W., Galicher, R., Cantalloube, F., Mesa, D., Klahr, H., Beust, H., Chauvin, G., Desidera, S., Janson, M., Keppler, M., Olofsson, J., Augereau, J.-C., Daemgen, S., Henning, Th., Thébault, P., Bonnefoy, M., Feldt, M., Gratton, R., Lagrange, A.-M., Langlois, M., Meyer, M. R., Vigan, A., D'Orazi, V., Hagelberg, J., Coroller, H. L., Ligi, R., Rouan, D., Samland, M., Schmidt, T., Udry, S., Zurlo, A., Abe, L., Carle, M., Delboulbé, A., Feautrier, P., Magnard, Y., Maurel, D., Moulin, T., Pavlov, A., Perret, D., Petit, C., Ramos, J. R., Rigal, F., Roux, A., Weber, L.: VLT/SPHERE Astrometric Confirmation and Orbital Analysis of the Brown Dwarf Companion HR 2562 B *Astron. Astrophys.* 615 (2018), A177.
939. Bean, J. L., Stevenson, K. B., Batalha, N. M., Berta-Thompson, Z., Kreidberg, L., Crouzet, N., Benneke, B., Line, M. R., Sing, D. K., Wakeford, H. R., Knutson, H. A., Kempton, E. M.-R., Désert, J.-M., Crossfield, I., Batalha, N. E., de Wit, J., Parmentier, V., Harrington, J., Moses, J. I., Lopez-Morales, M., Alam, M. K., Blecic, J., Bruno, G., Carter, A. L., Chapman, J. W., Decin, L., Dragomir, D., Evans, T. M., Fortney, J. J., Fraine, J. D., Gao, P., García Muñoz, A., Gibson, N. P., Goyal, J. M., Heng, K., Hu, R., Kendrew, S., Kilpatrick, B. M., Krick, J., Lagage, P.-O., Lendl, M., Loudén, T., Madhusudhan, N., Mandell, A. M., Mansfield, M., May, E. M., Morello, G., Morley, C. V., Nikolov, N., Redfield, S., Roberts, J. E., Schlawin, E., Spake, J. J., Todorov, K. O., Tsiaras, A., Venot, O., Waalkes, W. C., Wheatley, P. J., Zellem, R. T., Angerhausen, D., Barrado, D., Carone, L., Casewell, S. L., Cubillos, P. E., Damiano, M., de Val-Borro, M., Drummond, B., Edwards, B., Endl, M., Espinoza, N., France, K., Gizis, J. E., Greene, T. P., Henning, T. K., Hong, Y., Ingalls, J. G., Iro, N., Irwin, P. G. J., Kataria, T., Lahuis, F., Leconte, J., Lillo-Box, J., Lines, S., Lothringer, J. D., Mancini, L., Marchis, F., Mayne, N., Pallé, E., Rauscher, E., Roudier, G., Shkolnik, E. L., Southworth, J., Swain, M. R., Taylor, J., Teske, J., Tinetti, G., Tremblin, P., Tucker, G. S., van Boekel, R., Waldmann, I. P., Weaver, I. C., Zingales, T.: The Transiting Exoplanet Community Early Release Science Program for JWST. *PASP* 130 (2018), 114402.
940. Peterson, M. S., Benneke, B., David, T. J., Dressing, C. D., Ciardi, D., Crossfield, I. J. M., Schlieder, J. E., Petigura, E. A., Mamajek, E. E., Christiansen, J. L., Quinn, S. N., Fulton, B. J., Howard, A. W., Sinukoff, E., Beichman, C., Latham, D. W., Yu, L., Arango, N., Shporer, A., Henning, T., Huang, C. X., Kosiarek, M. R., Dittmann, J., Isaacson, H.: A 2 Earth Radius Planet Orbiting the Bright Nearby K-Dwarf Wolf 503. *Astron. J.* 156 (2018), 188.
941. Molyarova, T., Akimkin, V., Semenov, D., Ábrahám, P., Henning, Th., Kóspál, Á., Vorobyov, E., Wiebe, D.: Chemical Signatures of the FU Ori Outbursts. *Astrophys. J.* 866 (2018), 46.
942. Mizuki, T., Kuzuhara, M., Mede, K., Schlieder, J. E., Janson, M., Brandt, T. D., Hirano, T., Narita, N., Wisniewski, J., Yamada, T., Biller, B., Bonnefoy, M., Carson, J. C., McElwain, M. W., Matsuo, T., Turner, E. L., Mayama, S., Akiyama, E., Uyama, T., Nakagawa, T., Kudo, T., Kusakabe, N., Hashimoto, J., Abe, L., Brander,

- W., Egner, S., Feldt, M., Goto, M., Grady, C. A., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Kandori, R., Knapp, G. R., Kwon, J., Miyama, S., Morino, J., Moro-Martin, A., Nishimura, T., Pyo, T., Serabyn, E., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takami, M., Takato, N., Terada, H., Thalmann, C., Watanabe, M., Takami, H., Usuda, T., Tamura, M.: Orbital Characterization of GJ1108A System, and Comparison of Dynamical Mass with Model-Derived Mass for Resolved Binaries. *Astrophys. J.* 865 (2018), 152.
943. Jamialahmadi, N., Ratzka, T., Panić, O., Fathivavsari, H., van Boekel, R., Flement, S., Henning, Th., Jaffe, W., Mulders, G. D.: Constraining the Gap Size in the Disk around HD 100546 in the Mid-infrared. *Astrophys. J.* 865 (2018), 137.
944. Kaminski, A., Trifonov, T., Caballero, J. A., Quirrenbach, A., Ribas, I., Reiners, A., Amado, P. J., Zechmeister, M., Dreizler, S., Perger, M., Tal-Or, L., Bonfils, X., Mayor, M., Astudillo-Defru, N., Bauer, F. F., Béjar, V. J. S., Cifuentes, C., Colomé, J., Cortés-Contreras, M., Delfosse, X., Díez-Alonso, E., Forveille, T., Guenther, E. W., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kürster, M., Lafarga, M., Luque, R., Mandel, H., Montes, D., Morales, J. C., Passegger, V. M., Pedraz, S., Refert, S., Sadegi, S., Schweitzer, A., Seifert, W., Stahl, O., Udry, S.: The CARMENES Search for Exoplanets around M-Dwarfs. A Neptune-mass Planet Traversing the Habitable Zone around HD 180617. *Astron. Astrophys.* 618 (2018), A115.
945. Bhandare, A., Kuiper, R., Henning, Th., Fendt, C., Marleau, G.-D., Kölligan, A.: First Core Properties: From Low- to High-mass Star Formation. *Astron. Astrophys.* 618 (2018), A95.
946. Bonnefoy, M., Perraut, K., Lagrange, A.-M., Delorme, P., Vigan, A., Line, M., Rodet, L., Ginski, C., Mourard, D., Marleau, G.-D., Samland, M., Tremblin, P., Ligi, R., Cantalloube, F., Mollière, P., Charnay, B., Kuzuhara, M., Janson, M., Morley, C., Homeier, D., D’Orazi, V., Klahr, H., Mordasini, C., Lavie, B., Baudino, J.-L., Beust, H., Peretti, S., Musso Bartucci, A., Mesa, D., Bézard, B., Boccaletti, A., Galicher, R., Hagelberg, J., Desidera, S., Biller, B., Maire, A.-L., Allard, F., Borgniet, S., Lannier, J., Meunier, N., Desort, M., Alecian, E., Chauvin, G., Langlois, M., Henning, Th., Mugnier, L., Mouillet, D., Gratton, R., Brandt, T., Mc Elwain, M., Beuzit, J.-L., Tamura, M., Hori, Y., Brandner, W., Buenzli, E., Cheetham, A., Cudel, M., Feldt, M., Kasper, M., Keppler, M., Kopytova, T., Meyer, M., Perrot, C., Rouan, D., Salter, G., Schmidt, T., Sissa, E., Zurlo, A., Wildi, F., Blanchard, P., De Caprio, V., Delboulbé, A., Maurel, D., Moulin, T., Pavlov, A., Rabou, P., Ramos, J., Roelfsema, R., Rousset, G., Stadler, E., Rigal, F., Weber, L.: The GJ 504 System Revisited. Combining Interferometric, Radial Velocity, and High Contrast Imaging Data. *Astron. Astrophys.* 618 (2018), A63.
947. Ahmadi, A., Beuther, H., Mottram, J. C., Bosco, F., Linz, H., Henning, Th., Winters, J. M., Kuiper, R., Pudritz, R., Sánchez-Monge, Á., Keto, E., Beltran, M., Bontemps, S., Cesaroni, R., Csengeri, T., Feng, S., Galvan-Madrid, R., Johnston, K. G., Klaassen, P., Leurini, S., Longmore, S. N., Lumsden, S., Maud, L. T., Menten,

- K. M., Moscadelli, L., Motte, F., Palau, A., Peters, T., Ragan, S. E., Schilke, P., Urquhart, J. S., Wyrowski, F., Zinnecker, H.: Core Fragmentation and Toomre Stability Analysis of W3(H₂O). A Case Study of the IRAM NOEMA Large Program CORE. *Astron. Astrophys.* 618 (2018), A46.
948. Rodet, L., Bonnefoy, M., Durkan, S., Beust, H., Lagrange, A.-M., Schlieder, J. E., Janson, M., Grandjean, A., Chauvin, G., Messina, S., Maire, A.-L., Brandner, W., Girard, J., Delorme, P., Biller, B., Bergfors, C., Lacour, S., Feldt, M., Henning, Th., Boccaletti, A., Le Bouquin, J.-B., Berger, J.-P., Monin, J.-L., Udry, S., Peretti, S., Segransan, D., Allard, F., Homeier, D., Vigan, A., Langlois, M., Hagelberg, J., Menard, F., Bazzon, A., Beuzit, J.-L., Delboulb , A., Desidera, S., Gratton, R., Lannier, J., Ligi, R., Maurel, D., Mesa, D., Meyer, M., Pavlov, A., Ramos, J., Rigal, R., Roelfsema, R., Salter, G., Samland, M., Schmidt, T., Stadler, E., Weber, L.: Dynamical Masses of M-Dwarf Binaries in Young Moving Groups. I. The Case of TWA 22 and GJ 2060. *Astron. Astrophys.* 618 (2018), A23.
949. Durkan, S., Janson, M., Ciceri, S., Brandner, W., Schlieder, J., Henning, T., Bonnefoy, M., Kankare, J., Watson, C. A.: A Radial Velocity Survey of Spatially Resolved Young, Low-mass Binaries. *Astron. Astrophys.* 618 (2018), A5.
950. Trifonov, T., K rster, M., Reffert, S., Zechmeister, M., Endl, M., Rodler, F., Gandolfi, D., Barrag n, O., Henning, Th., Lee, M. H., Zakhozhay, O., Sarkis, P., Heeren, P., Tala, M., Wolthoff, V., Brems, S. S., Stock, S., Hempel, A., Kossakowski, D.: New HARPS and FEROS Observations of GJ 1046. *RNAAS* 2 (2018), 180.
951. Potapov, A., J ger, C., Henning, Th.: Temperature Programmed Desorption of Water Ice from the Surface of Amorphous Carbon and Silicate Grains as Related to Planet-forming Disks. *Astrophys. J.* 865 (2018), 58.
952. Teague, R., Henning, Th., Guilloteau, S., Bergin, E. A., Semenov, D., Dutrey, A., Flock, M., Gorti, U., Birnstiel, T.: Temperature, Mass, and Turbulence: A Spatially Resolved Multiband Non-LTE Analysis of CS in TW Hya. *Astrophys. J.* 864 (2018), 133.
953. Takami, M., Fu, G., Liu, H. B., Karr, J. L., Hashimoto, J., Kudo, T., Vorobyov, E. I., K sp l,  ., Scicluna, P., Dong, R., Tamura, M., Pyo, T.-S., Fukagawa, M., Tsuribe, T., Dunham, M. M., Henning, Th., de Leon, J.: Near-infrared High-resolution Imaging Polarimetry of FU Ori-type Objects: Toward a Unified Scheme for Low-mass Protostellar Evolution. *Astrophys. J.* 864 (2018), 20.
954. M ller, A., Keppler, M., Henning, Th., Samland, M., Chauvin, G., Beust, H., Maire, A.-L., Molaverdikhani, K., van Boekel, R., Benisty, M., Boccaletti, A., Bonnefoy, M., Cantalloube, F., Charnay, B., Baudino, J.-L., Gennaro, M., Long, Z. C., Cheetham, A., Desidera, S., Feldt, M., Fusco, T., Girard, J., Gratton, R., Hagelberg, J., Janson, M., Lagrange, A.-M., Langlois, M., Lazzoni, C., Ligi, R., M nard, F., Mesa, D., Meyer, M., Molli re, P., Mordasini, C., Moulin, T., Pavlov, A., Pawellek, N., Quanz, S. P., Ramos, J., Rouan, D., Sissa, E., Stadler, E., Vigan, A., Wahhaj, Z., Weber,

- L., Zurlo, A.: Orbital and Atmospheric Characterization of the Planet within the Gap of the PDS 70 Transition Disk. *Astron. Astrophys.* 617 (2018), L2.
955. Olofsson, J., van Holstein, R. G., Boccaletti, A., Janson, M., Thébault, P., Gratton, R., Lazzoni, C., Kral, Q., Bayo, A., Canovas, H., Caceres, C., Ginski, C., Pinte, C., Asensio-Torres, R., Chauvin, G., Desidera, S., Henning, Th., Langlois, M., Milli, J., Schlieder, J. E., Schreiber, M. R., Augereau, J.-C., Bonnefoy, M., Buenzli, E., Brandner, W., Durkan, S., Engler, N., Feldt, M., Godoy, N., Grady, C., Hagelberg, J., Lagrange, A.-M., Lannier, J., Ligi, R., Maire, A.-L., Mawet, D., Ménard, F., Mesa, D., Mouillet, D., Peretti, S., Perrot, C., Salter, G., Schmidt, T., Sissa, E., Thalmann, C., Vigan, A., Abe, L., Feautrier, P., Le Mignant, D., Moulin, T., Pavlov, A., Rabou, P., Rousset, G., Roux, A.: Resolving Faint Structures in the Debris Disk around TWA 7. Tentative Detections of an Outer Belt, a Spiral Arm, and a Dusty Cloud. *Astron. Astrophys.* 617 (2018), A109.
956. Beuther, H., Mottram, J. C., Ahmadi, A., Bosco, F., Linz, H., Henning, Th., Klaassen, P., Winters, J. M., Maud, L. T., Kuiper, R., Semenov, D., Gieser, C., Peters, T., Urquhart, J. S., Pudritz, R., Ragan, S. E., Feng, S., Keto, E., Leurini, S., Cesaroni, R., Beltran, M., Palau, A., Sánchez-Monge, A., Galvan-Madrid, R., Zhang, Q., Schilke, P., Wyrowski, F., Johnston, K. G., Longmore, S. N., Lumsden, S., Hoare, M., Menten, K. M., Csengeri, T.: Fragmentation and Disk Formation During High-mass Star Formation. IRAM NOEMA (Northern Extended Millimeter Array) Large Program CORE. *Astron. Astrophys.* 617 (2018), A100.
957. Varga, J., Ábrahám, P., Chen, L., Ratzka, T., Gabányi, K. É., Kóspál, Á., Matter, A., van Boekel, R., Henning, Th., Jaffe, W., Juhász, A., Lopez, B., Menu, J., Moór, A., Mosoni, L., Sipos, N.: VLTI/MIDI Atlas of Disks around Low- and Intermediate-mass Young Stellar Objects. *Astron. Astrophys.* 617 (2018), A83.
958. Chauvin, G., Gratton, R., Bonnefoy, M., Lagrange, A.-M., de Boer, J., Vigan, A., Beust, H., Lazzoni, C., Boccaletti, A., Galicher, R., Desidera, S., Delorme, P., Keppler, M., Lannier, J., Maire, A.-L., Mesa, D., Meunier, N., Kral, Q., Henning, Th., Menard, F., Moor, A., Avenhaus, H., Bazzon, A., Janson, M., Beuzit, J.-L., Bhowmik, T., Bonavita, M., Borgniet, S., Brandner, W., Cheetham, A., Cudel, M., Feldt, M., Fontanive, C., Ginski, C., Hagelberg, J., Janin-Potiron, P., Lagadec, E., Langlois, M., Le Coroller, H., Messina, S., Meyer, M., Mouillet, D., Peretti, S., Perrot, C., Rodet, L., Samland, M., Sissa, E., Olofsson, J., Salter, G., Schmidt, T., Zurlo, A., Milli, J., van Boekel, R., Quanz, S., Feautrier, P., Le Mignant, D., Perret, D., Ramos, J., Rochat, S.: Investigating the Young Solar System Analog HD 95086. A Combined HARPS and SPHERE Exploration. *Astron. Astrophys.* 617 (2018), A76.
959. Keppler, M., Benisty, M., Müller, A., Henning, Th., van Boekel, R., Cantalloube, F., Ginski, C., van Holstein, R. G., Maire, A.-L., Pohl, A., Samland, M., Avenhaus, H., Baudino, J.-L., Boccaletti, A., de Boer, J., Bonnefoy, M., Chauvin, G., Desidera, S., Langlois, M., Lazzoni, C., Marleau, G.-D., Mordasini, C., Pawellek, N., Stolker, T., Vigan, A., Zurlo, A., Birnstiel, T., Brandner, W., Feldt, M., Flock, M., Girard,

- J., Gratton, R., Hagelberg, J., Isella, A., Janson, M., Juhasz, A., Kemmer, J., Kral, Q., Lagrange, A.-M., Launhardt, R., Matter, A., Ménard, F., Milli, J., Mollière, P., Olofsson, J., Pérez, L., Pinilla, P., Pinte, C., Quanz, S. P., Schmidt, T., Udry, S., Wahhaj, Z., Williams, J. P., Buenzli, E., Cudel, M., Dominik, C., Galicher, R., Kasper, M., Lannier, J., Mesa, D., Mouillet, D., Peretti, S., Perrot, C., Salter, G., Sissa, E., Wildi, F., Abe, L., Antichi, J., Augereau, J.-C., Baruffolo, A., Baudoz, P., Bazzon, A., Beuzit, J.-L., Blanchard, P., Brems, S. S., Buey, T., De Caprio, V., Carbillet, M., Carle, M., Cascone, E., Cheetham, A., Claudi, R., Costille, A., Delboulbé, A., Dohlen, K., Fantinel, D., Feautrier, P., Fusco, T., Giro, E., Gluck, L., Gry, C., Hubin, N., Hugot, E., Jaquet, M., Le Mignant, D., Llored, M., Madec, F., Magnard, Y., Martinez, P., Maurel, D., Meyer, M., Möller-Nilsson, O., Moulin, T., Mugnier, L., Origné, A., Pavlov, A., Perret, D., Petit, C., Pragt, J., Puget, P., Rabou, P., Ramos, J., Rigal, F., Rochat, S., Roelfsema, R., Rousset, G., Roux, A., Salasnich, B., Sauvage, J.-F., Sevin, A., Soenke, C., Stadler, E., Suarez, M., Turatto, M., Weber, L.: Discovery of a Planetary-mass Companion within the Gap of the Transition Disk around PDS 70. *Astron. Astrophys.* 617 (2018), A44.
960. Semenov, D., Favre, C., Fedele, D., Guilloteau, S., Teague, R., Henning, Th., Dutrey, A., Chapillon, E., Hersant, F., Piétu, V.: Chemistry in Disks. XI. Sulfur-bearing Species as Tracers of Protoplanetary Disk Physics and Chemistry: the DM Tau case. *Astron. Astrophys.* 617 (2018), A28.
961. Yan, F., Henning, Th.: An Extended Hydrogen Envelope of the Extremely Hot Giant Exoplanet KELT-9b. *Nature Astron.* 2 (2018), 714.
962. Nortmann, L., Pallé, E., Salz, M., Sanz-Forcada, J., Nagel, E., Alonso-Floriano, F. J., Czesla, S., Yan, F., Chen, G., Snellen, I. A. G., Zechmeister, M., Schmitt, J. H. M. M., López-Puertas, M., Casasayas-Barris, N., Bauer, F. F., Amado, P. J., Caballero, J. A., Dreizler, S., Henning, Th., Lampón, M., Montes, D., Molaverdikhani, K., Quirrenbach, A., Reiners, A., Ribas, I., Sánchez-López, A., Schneider, P. C., Zapatero Osorio, M. R.: Ground-based Detection of an Extended Helium Atmosphere in the Saturn-mass Exoplanet WASP-69b. *Science* 362 (2018), 1388.
963. Sanchez-Bermudez, J., Millour, F., Baron, F., van Boekel, R., Bourgès, L., Duvert, G., Garcia, P. J. V., Gomes, N., Hofmann, K.-H., Henning, Th., Isbell, J. W., Lopez, B., Matter, A., Pott, J.-U., Schertl, D., Thiébaud, E., Weigelt, G., Young, J.: Why Chromatic Imaging Matters. *Experimental Astronomy*. 46 (2018), 457.
964. Stone, J. M., Skemer, A. J., Hinz, P. M., Bonavita, M., Kratter, K. M., Maire, A.-L., Defrere, D., Bailey, V. P., Spalding, E., Leisenring, J. M., Desidera, S., Bonnefoy, M., Biller, B., Woodward, C. E., Henning, Th., Skrutskie, M. F., Eisner, J. A., Crepp, J. R., Patience, J., Weigelt, G., De Rosa, R. J., Schlieder, J., Brandner, W., Apai, D., Su, K., Ertel, S., Ward-Duong, K., Morzinski, K. M., Schertl, D., Hofmann, K.-H., Close, L. M., Brems, S. S., Fortney, J. J., Oza, A., Buenzli, E., Bass, B.: The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. *Astron. J.* 156 (2018), 286.

965. Livingston, J. H., Crossfield, I. J. M., Petigura, E. A., Gonzales, E. J., Ciardi, D. R., Beichman, C. A., Christiansen, J. L., Dressing, C. D., Henning, Th., Howard, A. W., Isaacson, H., Fulton, B. J., Kosiarek, M., Schlieder, J. E., Sinukoff, E., Tamura, M.: Sixty Validated Planets from K2 Campaigns 58. *Astron. J.* 156 (2018), 277.
966. Cantalloube, F., Por, E. H., Dohlen, K., Sauvage, J.-F., Vigan, A., Kasper, M., Bharmal, N., Henning, Th., Brandner, W., Milli, J., Correia, C., Fusco, T.: Origin of the Asymmetry of the Wind Driven Halo Observed in High-contrast Images. *Astron. Astrophys.* 620 (2018), L10.
967. Luque, R., Nowak, G., Pallé, E., Kossakowski, D., Trifonov, T., Zechmeister, M., Béjar, V. J. S., Guillén, C. C., Tal-Or, L., Hidalgo, D., Ribas, I., Reiniers, A., Caballero, J. A., Amado, P. J., Quirrenbach, A., Aceituno, J., Cortés-Contreras, M., Díez-Alonso, E., Dreizler, S., Guenther, E. W., Henning, Th., Jeffers, S. V., Kaminiski, A., Kürster, M., Lafarga, M., Montes, D., Morales, J. C., Passegger, V. M., Schmitt, J. H. M. M., Schweitzer, A.: The CARMENES Search for Exoplanets around M-Dwarfs. The Warm Super-Earths in Twin Orbits around the Mid-type M-Dwarfs Ross 1020 (GJ 3779) and LP 819-052 (GJ 1265). *Astron. Astrophys.* 620 (2018), A171.
968. GRAVITY Collaboration, Karl, M., Pfuhl, O., Eisenhauer, F., Genzel, R., Grellmann, R., Habibi, M., Abuter, R., Accardo, M., Amorim, A., Anugu, N., Ávila, G., Benisty, M., Berger, J.-P., Blind, N., Bonnet, H., Bourget, P., Brandner, W., Brast, R., Buron, A., Caratti o Garatti, A., Chapron, F., Clénet, Y., Collin, C., Coudé Du Foresto, V., de Wit, W.-J., de Zeeuw, T., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., Dexter, J., Duvert, G., Ebert, M., Eckart, A., Esselborn, M., Fédou, P., Finger, G., Garcia, P., Garcia Dabo, C. E., Garcia Lopez, R., Gao, F., Gendron, É., Gillessen, S., Gonté, F., Gordo, P., Grözing, U., Guajardo, P., Guieu, S., Haguenaue, P., Hans, O., Haubois, X., Haug, M., Haubmann, F., Henning, Th., Hippler, S., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Jakob, G., Jochum, L., Jocu, L., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Klein, R., Köhler, R., Kolb, J., Kulas, M., Lacour, S., Lapeyrère, V., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Magnard, Y., Mehrgan, L., Mérand, A., Moulin, T., Müller, E., Müller, F., Neumann, U., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Pflüger, A., Duc, T. P., Plewa, P. M., Popovic, D., Rabien, S., Ramírez, A., Ramos, J., Rau, C., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rosales, A., Rousset, G., Sanchez-Bermudez, J., Scheithauer, S., Schöller, M., Schuhler, N., Spyromilio, J., Straub, O., Straubmeier, C., Sturm, E., Suarez, M., Tristram, K. R. W., Ventura, N., Vincent, F., Waisberg, I., Wank, I., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yazici, S., Ziegler, D., Zins, G.: Multiple Star Systems in the Orion Nebula. *Astron. Astrophys.* 620 (2018), A116.
969. Salz, M., Czesla, S., Schneider, P. C., Nagel, E., Schmitt, J. H. M. M., Nortmann, L., Alonso-Floriano, F. J., López-Puertas, M., Lampón, M., Bauer, F. F., Snellen, I. A. G., Pallé, E., Caballero, J. A., Yan, F., Chen, G., Sanz-Forcada, J., Amado,

- P. J., Quirrenbach, A., Ribas, I., Reiners, A., Béjar, V. J. S., Casasayas-Barris, N., Cortés-Contreras, M., Dreizler, S., Guenther, E. W., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Lara, L. M., Molaverdikhani, K., Montes, D., Morales, J. C., Sánchez-López, A., Seifert, W., Zapatero Osorio, M. R., Zechmeister, M.: Detection of He I λ 10830 Å Absorption on HD 189733 b with CARMENES High-resolution Transmission Spectroscopy. *Astron. Astrophys.* 620 (2018), A97.
970. Garufi, A., Benisty, M., Pinilla, P., Tazzari, M., Dominik, C., Ginski, C., Henning, Th., Kral, Q., Langlois, M., Ménard, F., Stolker, T., Szulagyi, J., Villenave, M., van der Plas, G.: Evolution of Protoplanetary Disks from their Taxonomy in Scattered Light: Spirals, Rings, Cavities, and Shadows. *Astron. Astrophys.* 620 (2018), A94.
971. Ribas, I., Tuomi, M., Reiners, A., Butler, R. P., Morales, J. C., Perger, M., Dreizler, S., Rodríguez-López, C., González Hernández, J. I., Rosich, A., Feng, F., Trifonov, T., Vogt, S. S., Caballero, J. A., Hatzes, A., Herrero, E., Jeffers, S. V., Lafarga, M., Murgas, F., Nelson, R. P., Rodríguez, E., Strachan, J. B. P., Tal-Or, L., Teske, J., Toledo-Padrón, B., Zechmeister, M., Quirrenbach, A., Amado, P. J., Azzaro, M., Béjar, V. J. S., Barnes, J. R., Berdiñas, Z. M., Burt, J., Coleman, G., Cortés-Contreras, M., Crane, J., Engle, S. G., Guinan, E. F., Haswell, C. A., Henning, Th., Holden, B., Jenkins, J., Jones, H. R. A., Kaminski, A., Kiraga, M., Kürster, M., Lee, M. H., López-González, M. J., Montes, D., Morin, J., Ofir, A., Pallé, E., Rebolo, R., Reffert, S., Schweitzer, A., Seifert, W., Shectman, S. A., Staab, D., Street, R. A., Suárez Mascareño, A., Tsapras, Y., Wang, S. X., Anglada-Escudé, G.: A Candidate Super-Earth Planet Orbiting near the Snow Line of Barnard’s Star. *Nature* 563 (2018), 365.
972. Goldman, B., Röser, S., Schilbach, E., Moór, A. C., Henning, Th.: A Large Moving Group within the Lower Centaurus Crux Association. *Astrophys. J.* 868 (2018), 32.
973. Narang, M., Manoj, P., Furlan, E., Mordasini, C., Henning, Th., Mathew, B., Banyal, R. K., Sivarani, T.: Properties and Occurrence Rates for Kepler Exoplanet Candidates as a Function of Host Star Metallicity from the DR25 Catalog. *Astron. J.* 156 (2018), 221.
974. Sarkis, P., Henning, Th., Hartman, J. D., Bakos, G. Á., Brahm, R., Jordán, A., Bayliss, D., Mancini, L., Espinoza, N., Rabus, M., Csubry, Z., Bhatti, W., Penev, K., Zhou, G., Bento, J., Tan, T. G., Arriagada, P., Butler, R. P., Crane, J. D., Shectman, S., Tinney, C. G., Wright, D. J., Addison, B., Durkan, S., Suc, V., Buchhave, L. A., de Val-Borro, M., Lázár, J., Papp, I., Sári, P.: HATS-59b,c: A Transiting Hot Jupiter and a Cold Massive Giant Planet around a Sun-like Star. *Astron. J.* 156 (2018), 216.
975. Janson, M., Durkan, S., Bonnefoy, M., Rodet, L., Köhler, R., Lacour, S., Brandner, W., Henning, Th., Girard, J.: Dynamical Masses of M-Dwarf Binaries in Young Moving Groups. II. Toward Empirical Mass-luminosity Isochrones. *Astron. Astrophys.* 620 (2018), A33.

976. Maud, L. T., Cesaroni, R., Kumar, M. S. N., van der Tak, F. F. S., Allen, V., Hoare, M. G., Klaassen, P. D., Harsono, D., Hogerheijde, M. R., Sánchez-Monge, Á., Schilke, P., Ahmadi, A., Beltrán, M. T., Beuther, H., Csengeri, T., Etoka, S., Fuller, G., Galván-Madrid, R., Goddi, C., Henning, Th., Johnston, K. G., Kuiper, R., Lumsden, S., Moscadelli, L., Mottram, J. C., Peters, T., Rivilla, V. M., Testi, L., Vig, S., de Wit, W. J., Zinnecker, H.: Chasing Discs around O-type (Proto)stars. ALMA Evidence for an SiO Disc and Disc Wind from G17.64+0.16. *Astron. Astrophys.* 620 (2018), A31.
977. Mattern, M., Kauffmann, J., Csengeri, T., Urquhart, J. S., Leurini, S., Wyrowski, F., Giannetti, A., Barnes, P. J., Beuther, H., Bronfman, L., Duarte-Cabral, A., Henning, Th., Kainulainen, J., Menten, K. M., Schisano, E., Schuller, F.: SEDIGISM: The Kinematics of ATLASGAL Filaments. *Astron. Astrophys.* 619 (2018), A166.
978. Baroch, D., Morales, J. C., Ribas, I., Tal-Or, L., Zechmeister, M., Reiners, A., Caballero, J. A., Quirrenbach, A., Amado, P. J., Dreizler, S., Lalitha, S., Jeffers, S. V., Lafarga, M., Béjar, V. J. S., Colomé, J., Cortés-Contreras, M., Díez-Alonso, E., Galadí-Enríquez, D., Guenther, E. W., Hagen, H.-J., Henning, T., Herrero, E., Kürster, M., Montes, D., Nagel, E., Passegger, V. M., Perger, M., Rosich, A., Schweitzer, A., Seifert, W.: The CARMENES Search for Exoplanets around M-Dwarfs. Nine New double-line Spectroscopic Binary Stars. *Astron. Astrophys.* 619 (2018), A32.
979. Schmid, H. M., Bazzon, A., Roelfsema, R., Mouillet, D., Milli, J., Menard, F., Gisler, D., Hunziker, S., Pragt, J., Dominik, C., Boccaletti, A., Ginski, C., Abe, L., Antonucci, S., Avenhaus, H., Baruffolo, A., Baudoz, P., Beuzit, J. L., Carbillet, M., Chauvin, G., Claudi, R., Costille, A., Daban, J.-B., de Haan, M., Desidera, S., Dohlen, K., Downing, M., Elswijk, E., Engler, N., Feldt, M., Fusco, T., Girard, J. H., Gratton, R., Hanenburg, H., Henning, Th., Hubin, N., Joos, F., Kasper, M., Keller, C. U., Langlois, M., Lagadec, E., Martinez, P., Mulder, E., Pavlov, A., Podio, L., Puget, P., Quanz, S. P., Rigal, F., Salasnich, B., Sauvage, J.-F., Schuil, M., Siebenmorgen, R., Sissa, E., Snik, F., Suarez, M., Thalmann, C., Turatto, M., Udry, S., van Duin, A., van Holstein, R. G., Vigan, A., Wildi, F.: SPHERE/ZIMPOL High Resolution Polarimetric Imager. I. System Overview, PSF Parameters, Coronagraphy, and Polarimetry. *Astron. Astrophys.* 619 (2018), A9.
980. Asensio-Torres, R., Janson, M., Bonavita, M., Desidera, S., Thalmann, C., Kuzuhara, M., Henning, Th., Marzari, F., Meyer, M. R., Calissendorff, P., Uyama, T.: SPOTS: The Search for Planets Orbiting Two Stars. III. Complete Sample and Statistical Analysis. *Astron. Astrophys.* 619 (2018), A43.
981. GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P. T., Deen, C., Dexter, J., Duvert, G., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Guajardo, P., Habibi, M., Haubois, X., Henning, Th., Hippler, S., Horrobin, M., Huber, A., Jiménez-Rosales,

- A., Jocou, L., Kervella, P., Lacour, S., Lapeyrère, V., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lippa, M., Ott, T., Panduro, J., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Plewa, P. M., Rabien, S., Rodríguez-Coira, G., Rousset, G., Sternberg, A., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S.: Detection of Orbital Motions near the Last Stable Circular Orbit of the Massive Black Hole SgrA*. *Astron. Astrophys.* 618 (2018), L10.
982. Rugel, M. R., Beuther, H., Bühr, S., Wang, Y., Ott, J., Brunthaler, A., Walsh, A., Glover, S. C. O., Goldsmith, P. F., Anderson, L. D., Schneider, N., Menten, K. M., Ragan, S. E., Urquhart, J. S., Klessen, R. S., Soler, J. D., Roy, N., Kainulainen, J., Henning, Th., Bigiel, F., Smith, R. J., Wyrowski, F., Longmore, S. N.: OH Absorption in the First Quadrant of the Milky Way as Seen by THOR. *Astron. Astrophys.* 618 (2018), A159.
983. GRAVITY Collaboration, Sanchez-Bermudez, J., Weigelt, G., Bestenlehner, J. M., Kervella, P., Brandner, W., Henning, Th., Müller, A., Perrin, G., Pott, J.-U., Schöller, M., van Boekel, R., Abuter, R., Accardo, M., Amorim, A., Anugu, N., Ávila, G., Benisty, M., Berger, J. P., Blind, N., Bonnet, H., Bourget, P., Brast, R., Buron, A., Cantalloube, F., Caratti o Garatti, A., Cassaing, F., Chapron, F., Choquet, E., Clénet, Y., Collin, C., Coudé Du Foresto, V., de Wit, W., de Zeeuw, T., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., Dexter, J., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Fédou, P., Garcia, P. J. V., Garcia Dabo, C. E., Garcia Lopez, R., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Haubois, X., Haug, M., Haussmann, F., Hippler, S., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Jochum, L., Jocou, L., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kiekebusch, M., Klein, R., Kolb, J., Kulas, M., Lacour, S., Lapeyrère, V., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lippa, M., Magnard, Y., Mehrgan, L., Mellein, M., Mérand, A., Moreno-Ventas, J., Moulin, T., Müller, E., Müller, F., Neumann, U., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Duc, T. P., Plewa, P. M., Popovic, D., Rabien, S., Ramirez, A., Ramos, J., Rau, C., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rosales, A., Rousset, G., Scheithauer, S., Schuhler, N., Spyromilio, J., Straub, O., Straubmeier, C., Sturm, E., Suarez, M., Tristram, K. R. W., Ventura, N., Vincent, F., Waisberg, I., Wank, I., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yazici, S., Ziegler, D., Zins, G.: GRAVITY Chromatic Imaging of η Car's Core. Milliarsecond Resolution Imaging of the Wind-wind Collision Zone (Br γ , He I). *Astron. Astrophys.* 618 (2018), A125.
984. Cheetham, A. C., Samland, M., Brems, S. S., Launhardt, R., Chauvin, G., Ségransan, D., Henning, Th., Quirrenbach, A., Avenhaus, H., Cugno, G., Girard, J., Godoy, N., Kennedy, G. M., Maire, A.-L., Metchev, S., Müller, A., Musso Barucci, A., Olofsson, J., Pepe, F., Quanz, S. P., Queloz, D., Reffert, S., Rickman, E., van Boekel, R., Boccaletti, A., Bonnefoy, M., Cantalloube, F., Charnay, B., Delorme,

- P., Janson, M., Keppler, M., Lagrange, A.-M., Langlois, M., Lazzoni, C., Menard, F., Mesa, D., Meyer, M., Schmidt, T., Sissa, E., Udry, S., Zurlo, A.: Spectral and Orbital Characterisation of the Directly Imaged Giant Planet HIP 65426 b. *Astron. Astrophys.* 622 (2019), A80.
985. Brahm, R., Espinoza, N., Rabus, M., Jordán, A., Díaz, M. R., Rojas, F., Vučković, M., Zapata, A., Cortés, C., Drass, H., Jenkins, J. S., Lachaume, R., Pantoja, B., Sarkis, P., Soto, M. G., Vasquez, S., Henning, Th., Jones, M. I.: K2-161b: A Low-density Super-Neptune on an Eccentric Orbit. *MNRAS* 483 (2019), 1970.
986. Vos, J. M., Biller, B. A., Bonavita, M., Eriksson, S., Liu, M. C., Best, W. M. J., Metchev, S., Radigan, J., Allers, K. N., Janson, M., Buenzli, E., Dupuy, T. J., Bonnefoy, M., Manjavacas, E., Brandner, W., Crossfield, I., Deacon, N., Henning, Th., Homeier, D., Kopytova, T., Schlieder, J.: A Search for Variability in Exoplanet Analogues and Low-Gravity Brown Dwarfs. *MNRAS* 483 (2019), 480.
987. Hartman, J. D., Bakos, G. Á., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Csubry, Z., Espinoza, N., Henning, Th., Jordán, A., Mancini, L., Penev, K., Rabus, M., Sarkis, P., Suc, V., de Val-Borro, M., Zhou, G., Addison, B., Arriagada, P., Butler, R. P., Crane, J., Durkan, S., Shectman, S., Tan, T. G., Thompson, I., Tinney, C. G., Wright, D. J., Lázár, J., Papp, I., Sári, P.: HATS-60b-HATS-69b: 10 Transiting Planets from HATSouth. *Astron. J.* 157 (2019), 55.
988. Zhou, G., Bakos, G. Á., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Csubry, Z., Espinoza, N., Hartman, J. D., Henning, Th., Jordán, A., Mancini, L., Penev, K., Rabus, M., Sarkis, P., Suc, V., de Val-Borro, M., Rodriguez, J. E., Osip, D., Kedziora-Chudczer, L., Bailey, J., Tinney, C. G., Durkan, S., Lázár, J., Papp, I., Sári, P.: HATS-70b: A 13 MJ Brown Dwarf Transiting an A Star. *Astron. J.* 157 (2019), 31.
989. Lagrange, A.-M., Boccaletti, A., Langlois, M., Chauvin, G., Gratton, R., Beust, H., Desidera, S., Milli, J., Bonnefoy, M., Cheetham, A., Feldt, M., Meyer, M., Vigan, A., Biller, B., Bonavita, M., Baudino, J.-L., Cantalloube, F., Cudel, M., Daemgen, S., Delorme, P., D'Orazi, V., Girard, J., Fontanive, C., Hagelberg, J., Janson, M., Keppler, M., Kopytova, T., Galicher, R., Lannier, J., Le Coroller, H., Ligi, R., Maire, A.-L., Mesa, D., Messina, S., Müeller, A., Peretti, S., Perrot, C., Rouan, D., Salter, G., Samland, M., Schmidt, T., Sissa, E., Zurlo, A., Beuzit, J.-L., Mouillet, D., Dominik, C., Henning, Th., Lagadec, E., Ménard, F., Schmid, H.-M., Turatto, M., Udry, S., Bohn, A. J., Charnay, B., Gomez Gonzales, C. A., Gry, C., Kenworthy, M., Kral, Q., Mordasini, C., Moutou, C., van der Plas, G., Schlieder, J. E., Abe, L., Antichi, J., Baruffolo, A., Baudoz, P., Baudrand, J., Blanchard, P., Bazzon, A., Buey, T., Carbillet, M., Carle, M., Charton, J., Cascone, E., Claudi, R., Costille, A., Deboulbe, A., De Caprio, V., Dohlen, K., Fantinel, D., Feautrier, P., Fusco, T., Gigan, P., Giro, E., Gisler, D., Gluck, L., Hubin, N., Hugot, E., Jaquet, M., Kasper, M., Madec, F., Magnard, Y., Martinez, P., Maurel, D., Le Mignant, D., Möller-Nilsson, O., Llored, M., Moulin, T., Origné, A., Pavlov, A., Perret, D., Petit, C.,

- Pragt, J., Szulagyi, J., Wildi, F.: Post-Conjunction Detection of β Pictoris B with VLT/SPHERE. *Astron. Astrophys.* 621 (2019), L8.
990. Beuther, H., Ahmadi, A., Mottram, J. C., Linz, H., Maud, L. T., Henning, Th., Kuiper, R., Walsh, A. J., Johnston, K. G., Longmore, S. N.: High-mass Star Formation at Sub-50 au Scales. *Astron. Astrophys.* 621 (2019), A122.
991. Alonso-Floriano, F. J., Sánchez-López, A., Snellen, I. A. G., López-Puertas, M., Nagel, E., Amado, P. J., Bauer, F. F., Caballero, J. A., Czesla, S., Nortmann, L., Pallé, E., Salz, M., Reiners, A., Ribas, I., Quirrenbach, A., Aceituno, J., Anglada-Escudé, G., Béjar, V. J. S., Guenther, E. W., Henning, Th., Kaminski, A., Kürster, M., Lampón, M., Lara, L. M., Montes, D., Morales, J. C., Tal-Or, L., Schmitt, J. H. M. M., Zapatero Osorio, M. R., Zechmeister, M.: Multiple Water Band Detections in the CARMENES Near-infrared Transmission Spectrum of HD 189733 b. *Astron. Astrophys.* 621 (2019), A74.
992. Deacon, N. R., Henning, Th., Kossakowski, D. E.: Data-driven Stellar Parameters for Southern TESS FGK Targets. *MNRAS* 486 (2019), 251.
993. Mancini, L., Southworth, J., Mollière, P., Tregloan-Reed, J., Juvan, I. G., Chen, G., Sarkis, P., Bruni, I., Ciceri, S., Andersen, M. I., Bozza, V., Bramich, D. M., Burgdorf, M., D’Ago, G., Dominik, M., Evans, D. F., Figuera Jaimes, R., Fossati, L., Henning, Th., Hinse, T. C., Hundertmark, M., Jørgensen, U. G., Kerins, E., Korhonen, H., Küffmeier, M., Longa, P., Peixinho, N., Popovas, A., Rabus, M., Rahvar, S., Skottfelt, J., Snodgrass, C., Tronsgaard, R., Wang, Y., Wertz, O.: Physical Properties and Transmission Spectrum of the WASP-74 Planetary System from Multiband Photometry. *MNRAS* 485 (2019), 5168.
994. Henshaw, J. D., Ginsburg, A., Haworth, T. J., Longmore, S. N., Kruijssen, J. M. D., Mills, E. A. C., Sokolov, V., Walker, D. L., Barnes, A. T., Contreras, Y., Bally, J., Battersby, C., Beuther, H., Butterfield, N., Dale, J. E., Henning, Th., Jackson, J. M., Kauffmann, J., Pillai, T., Ragan, S., Riener, M., Zhang, Q.: ‘The Brick’ is not a Brick: A Comprehensive Study of the Structure and Dynamics of the Central Molecular Zone Cloud G0.253+0.016. *MNRAS* 485 (2019), 2457.
995. Boccaletti, A., Thébault, P., Pawellek, N., Lagrange, A.-M., Galicher, R., Desidera, S., Milli, J., Kral, Q., Bonnefoy, M., Augereau, J.-C., Maire, A. L., Henning, Th., Beust, H., Rodet, L., Avenhaus, H., Bhowmik, T., Bonavita, M., Chauvin, G., Cheetham, A., Cudel, M., Feldt, M., Gratton, R., Hagelberg, J., Janin-Potiron, P., Langlois, M., Menard, F., Mesa, D., Meyer, M., Peretti, S., Perrot, C., Schmidt, T., Sissa, E., Vigan, A., Rickman, E., Magnard, Y., Maurel, D., Moeller-Nilsson, O., Perret, D., Sauvage, J.-F.: Two Cold Belts in the Debris Disk around the G-type Star NZ Lupi. *Astron. Astrophys.* 625 (2019), A21.
996. Rich, E. A., Wisniewski, J. P., Currie, T., Fukagawa, M., Grady, C. A., Sitko, M. L., Pikhartova, M., Hashimoto, J., Abe, L., Brandner, W., Brandt, T. D., Carson, J. C., Chilcote, J., Dong, R., Feldt, M., Goto, M., Groff, T., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S. S., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson,

- M., Jovanovic, N., Kandori, R., Kasdin, J., Knapp, G. R., Kudo, T., Kusakabe, N., Kuzuhara, M., Kwon, J., Lozi, J., Martinache, F., Matsuo, T., Mayama, S., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nakagawa, T., Nishimura, T., Pyo, T.-S., Serabyn, E., Suto, H., Russel, R. W., Suzuki, R., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Uyama, T., Wagner, K. R., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Tamura, M.: Multi-Epoch Direct Imaging and Time-variable Scattered Light Morphology of the HD 163296 Protoplanetary Disk. *Astrophys J.* 875 (2019), 38.
997. Krasnokutski, S. A., Gruenewald, M., Jäger, C., Otto, F., Forker, R., Fritz, T., Henning, Th.: Fullerene Oligomers and Polymers as Carriers of Unidentified IR Emission Bands. *Astrophys J.* 874 (2019), 149.
998. Perger, M., Scandariato, G., Ribas, I., Morales, J. C., Affer, L., Azzaro, M., Amado, P. J., Anglada-Escudé, G., Baroch, D., Barrado, D., Bauer, F. F., Béjar, V. J. S., Caballero, J. A., Cortés-Contreras, M., Damasso, M., Dreizler, S., González-Cuesta, L., González Hernández, J. I., Guenther, E. W., Henning, Th., Herrero, E., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Leto, G., López-González, M. J., Maldonado, J., Micela, G., Montes, D., Pinamonti, M., Quirrenbach, A., Rebolo, R., Reiners, A., Rodríguez, E., Rodríguez-López, C., Schmitt, J. H. M. M., Sozzetti, A., Suárez Mascareño, A., Toledo-Adrón, B., Zanmar Sánchez, R., Zapatero Osorio, M. R., Zechmeister, M.: Gliese 49: Activity Evolution and Detection of a Super-Earth. A HADES and CARMENES Collaboration. *Astron. Astrophys.* 624 (2019), A123.
999. Maire, A.-L., Rodet, L., Cantalloube, F., Galicher, R., Brandner, W., Messina, S., Lazzoni, C., Mesa, D., Melnick, D., Carson, J., Samland, M., Biller, B. A., Boccaletti, A., Wahhaj, Z., Beust, H., Bonnefoy, M., Chauvin, G., Desidera, S., Langlois, M., Henning, Th., Janson, M., Olofsson, J., Rouan, D., Ménard, F., Lagrange, A.-M., Gratton, R., Vigan, A., Meyer, M. R., Cheetham, A., Beuzit, J.-L., Dohlen, K., Avenhaus, H., Bonavita, M., Claudi, R., Cudel, M., Daemgen, S., D’Orazi, V., Fontanive, C., Hagelberg, J., Le Coroller, H., Perrot, C., Rickman, E., Schmidt, T., Sissa, E., Udry, S., Zurlo, A., Abe, L., Origné, A., Rigal, F., Rousset, G., Roux, A., Weber, L.: Hint of Curvature in the Orbital Motion of the Exoplanet 51 Eridani b using 3 yr of VLT/SPHERE Monitoring. *Astron. Astrophys.* 624 (2019), A118.
1000. Bik, A., Henning, Th., Wu, S.-W., Zhang, M., Brandner, W., Pasquali, A., Stolte, A.: Near-infrared Spectroscopy of the Massive Stellar Population of W51: Evidence for Multi-seeded Star Formation. *Astron. Astrophys.* 624 (2019), A63.
1001. Cugno, G., Quanz, S. P., Launhardt, R., Musso Barcucci, A., Brems, S. S., Cheetham, A., Godoy, N., Kennedy, G. M., Henning, Th., Müller, A., Olofsson, J., Pepe, F., Quirrenbach, A., Reffert, S., Rickman, E. L., Ségransan, D.: ISPY - NaCo Imaging Survey for Planets around Young Stars. A Young Companion Candidate Embedded in the R CrA Cloud. *Astron. Astrophys.* 624 (2019), A29.
1002. Villenave, M., Benisty, M., Dent, W. R. F., Ménard, F., Garufi, A., Ginski, C., Pinilla, P., Pinte, C., Williams, J. P., de Boer, J., Morino, J.-I., Fukagawa, M.,

- Dominik, C., Flock, M., Henning, Th., Juhász, A., Keppler, M., Muro-Arena, G., Olofsson, J., Pérez, L. M., van der Plas, G., Zurlo, A., Carle, M., Feautrier, P., Pavlov, A., Pragt, J., Ramos, J., Sauvage, J.-F., Stadler, E., Weber, L.: Spatial Segregation of Dust Grains in Transition Disks. SPHERE Observations of 2MASS J16083070-3828268 and RXJ1852.3-3700. *Astron. Astrophys.* 624 (2019), A7.
1003. Mesa, D., Bonnefoy, M., Gratton, R., Van Der Plas, G., D’Orazi, V., Sissa, E., Zurlo, A., Rigliaco, E., Schmidt, T., Langlois, M., Vigan, A., Ubeira Gabellini, M. G., Desidera, S., Antonucci, S., Barbieri, M., Benisty, M., Boccaletti, A., Claudi, R., Fedele, D., Gasparri, D., Henning, Th., Kasper, M., Lagrange, A.-M., Lazzoni, C., Lodato, G., Maire, A.-L., Manara, C. F., Meyer, M., Reggiani, M., Samland, M., Van den Ancker, M., Chauvin, G., Cheetham, A., Feldt, M., Hugot, E., Janson, M., Ligi, R., Möller-Nilsson, O., Petit, C., Rickman, E. L., Rigal, F., Wildi, F.: Exploring the R CrA Environment with SPHERE. Discovery of a New Stellar Companion. *Astron. Astrophys.* 624 (2019), A4.
1004. Amorim, A., Bauböck, M., Berger, J. P., Brandner, W., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P. T., Dexter, J., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Jiménez Rosales, A., Jocou, L., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Rodríguez-Coira, G., Rousset, G., Scheithauer, S., Sternberg, A., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wierzorrek, E., Yazici, S., GRAVITY Collaboration: Test of the Einstein Equivalence Principle near the Galactic Center Supermassive Black Hole. *Phys. Rev. Lett.* 122 (2019), 101102.
1005. Henning, Th., Krasnokutski, S. A.: Experimental Characterization of the Energetics of Low-temperature Surface Reactions. *Nature Astron.* 3 (2019), 568.
1006. Molaverdikhani, K., Henning, Th., Mollière, P.: From Cold to Hot Irradiated Gaseous Exoplanets: Toward an Observation-based Classification Scheme. *Astrophys J.* 873 (2019), 32.
1007. Jordán, A., Brahm, R., Espinoza, N., Cortés, C., Díaz, M., Drass, H., Henning, Th., Jenkins, J. S., Jones, M. I., Rabus, M., Rojas, F., Sarkis, P., Vučković, M., Zapata, A., Soto, M. G., Bakos, G. Á., Bayliss, D., Bhatti, W., Csubry, Z., Lachaume, R., Moraga, V., Pantoja, B., Osip, D., Shporer, A., Suc, V., Vásquez, S.: K2-287 b: An Eccentric Warm Saturn Transiting a G-Dwarf. *Astron. J.* 157 (2019), 100.
1008. Trifonov, T., Stock, S., Henning, Th., Reffert, S., Kürster, M., Lee, M. H., Bitsch, B., Butler, R. P., Vogt, S. S.: Two Jovian Planets around the Giant Star HD 202696: A Growing Population of Packed Massive Planetary Pairs around Massive Stars? *Astron. J.* 157 (2019), 93.
1009. GRAVITY Collaboration, Lacour, S., Nowak, M., Wang, J., Pfuhl, O., Eisenhauer, F., Abuter, R., Amorim, A., Anugu, N., Benisty, M., Berger, J. P., Beust, H., Blind,

- N., Bonnefoy, M., Bonnet, H., Bourget, P., Brandner, W., Buron, A., Collin, C., Charnay, B., Chapron, F., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P. T., Deen, C., Dembet, R., Dexter, J., Duvert, G., Eckart, A., Förster Schreiber, N. M., Fédou, P., Garcia, P., Garcia Lopez, R., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Gordo, P., Greenbaum, A., Habibi, M., Haubois, X., Haußmann, F., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Jimenez Rosales, A., Jocou, L., Kendrew, S., Kervella, P., Kolb, J., Lagrange, A.-M., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lippa, M., Lenzen, R., Maire, A.-L., Mollière, P., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pueyo, L., Rabien, S., Ramírez, A., Rau, C., Rodríguez-Coira, G., Rousset, G., Sanchez-Bermudez, J., Scheithauer, S., Schuhler, N., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., van Dishoeck, E. F., von Fellenberg, S., Wank, I., Waisberg, I., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Woillez, J., Yazici, S., Ziegler, D., Zins, G.: First Direct Detection of an Exoplanet by Optical Interferometry. *Astrometry and K-band Spectroscopy of HR 8799 e*. *Astron. Astrophys.* 623 (2019), L11.
1010. Gratton, R., Ligi, R., Sissa, E., Desidera, S., Mesa, D., Bonnefoy, M., Chauvin, G., Cheetham, A., Feldt, M., Lagrange, A. M., Langlois, M., Meyer, M., Vigan, A., Boccaletti, A., Janson, M., Lazzoni, C., Zurlo, A., De Boer, J., Henning, Th., D’Orazi, V., Gluck, L., Madec, F., Jaquet, M., Baudoz, P., Fantinel, D., Pavlov, A., Wildi, F.: Blobs, Spiral Arms, and a Possible Planet around HD 169142. *Astron. Astrophys.* 623 (2019), A140.
1011. Liu, Y., Pascucci, I., Henning, Th.: CLICK: A Continuum and Line Fitting Kit for Circumstellar Disks. *Astron. Astrophys.* 623 (2019), A106.
1012. Chuss, D. T., Andersson, B.-G., Bally, J., Dotson, J. L., Dowell, C. D., Guerra, J. A., Harper, D. A., Houde, M., Jones, T. J., Lazarian, A., Lopez Rodriguez, E., Michail, J. M., Morris, M. R., Novak, G., Siah, J., Staguhn, J., Vaillancourt, J. E., Volpert, C. G., Werner, M., Wollack, E. J., Benford, D. J., Berthoud, M., Cox, E. G., Crutcher, R., Dale, D. A., Fissel, L. M., Goldsmith, P. F., Hamilton, R. T., Hanany, S., Henning, Th., Looney, L. W., Moseley, S. H., Santos, F. P., Stephens, I., Tassis, K., Trinh, C. Q., Van Camp, E., Ward-Thompson, D., HAWC + Science Team: HAWC+/SOFIA Multi-wavelength Polarimetric Observations of OMC-1. *Astrophys J.* 872 (2019), 187.
1013. Engler, N., Boccaletti, A., Schmid, H. M., Milli, J., Augereau, J.-C., Mazoyer, J., Maire, A.-L., Henning, Th., Avenhaus, H., Baudoz, P., Feldt, M., Galicher, R., Hinkley, S., Lagrange, A.-M., Mawet, D., Olofsson, J., Pantin, E., Perrot, C., Stapelfeldt, K.: Investigating the Presence of Two Belts in the HD 15115 System. *Astron. Astrophys.* 622 (2019), A192.
1014. Soler, J. D., Beuther, H., Rugel, M., Wang, Y., Clark, P. C., Glover, S. C. O., Goldsmith, P. F., Heyer, M., Anderson, L. D., Goodman, A., Henning, Th., Kainulainen, J., Klessen, R. S., Longmore, S. N., McClure-Griffiths, N. M., Menten, K. M., Mottram, J. C., Ott, J., Ragan, S. E., Smith, R. J., Urquhart, J. S., Bigiel, F., Hennebelle, P., Roy, N., Schilke, P.: Histogram of Oriented Gradients: A Technique for

the Study of Molecular Cloud Formation. *Astron. Astrophys.* 622 (2019), A166.

- 1015. Nagel, E., Czesla, S., Schmitt, J. H. M. M., Dreizler, S., Anglada-Escudé, G., Rodríguez, E., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Caballero, J. A., Aceituno, J., Béjar, V. J. S., Cortés-Contreras, M., González-Cuesta, L., Guenther, E. W., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., López-González, M. J., Montes, D., Morales, J. C., Passegger, V. M., Rodríguez-López, C., Schweitzer, A., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. The Enigmatic Planetary System GJ 4276: One Eccentric Planet or two Planets in a 2:1 Resonance? *Astron. Astrophys.* 622 (2019), A153.
- 1016. Zhang, M., Kainulainen, J., Mattern, M., Fang, M., Henning, Th.: Star-forming Content of the Giant Molecular Filaments in the Milky Way. *Astron. Astrophys.* 622 (2019), A52.
- 1017. Rugel, M. R., Rahner, D., Beuther, H., Pellegrini, E. W., Wang, Y., Soler, J. D., Ott, J., Brunthaler, A., Anderson, L. D., Mottram, J. C., Henning, Th., Goldsmith, P. F., Heyer, M., Klessen, R. S., Bihr, S., Menten, K. M., Smith, R. J., Urquhart, J. S., Ragan, S. E., Glover, S. C. O., McClure-Griffiths, N. M., Bigiel, F., Roy, N.: Feedback in W49A Diagnosed with Radio Recombination Lines and Models. *Astron. Astrophys.* 622 (2019), A48.
- 1018. Asensio-Torres, R., Currie, T., Janson, M., Desidera, S., Kuzuhara, M., Hodapp, K., Brandt, T. D., Guyon, O., Lozi, J., Groff, T., Kasdin, J., Chilcote, J., Jovanovic, N., Martinache, F., Sitko, M., Serabyn, E., Wagner, K., Akiyama, E., Kwon, J., Uyama, T., Yang, Y., Nakagawa, T., Hayashi, M., McElwain, M., Kudo, T., Henning, Th., Tamura, M.: Isochronal Age-mass Discrepancy of Young Stars: SCExAO/CHARIS Integral Field Spectroscopy of the HIP 79124 Triple System. *Astron. Astrophys.* 622 (2019), A42.
- 1019. Yan, F., Casasayas-Barris, N., Molaverdikhani, K., Alonso-Floriano, F. J., Reiners, A., Pallé, E., Henning, Th., Mollière, P., Chen, G., Nortmann, L., Snellen, I. A. G., Ribas, I., Quirrenbach, A., Caballero, J. A., Amado, P. J., Azzaro, M., Bauer, F. F., Cortés Contreras, M., Czesla, S., Khalafinejad, S., Lara, L. M., López-Puertas, M., Montes, D., Nagel, E., Oshagh, M., Sánchez-López, A., Stangret, M., Zechmeister, M.: Ionized Calcium in the Atmospheres of Two Ultra-hot Exoplanets WASP-33b and KELT-9b. *Astron. Astrophys.* 632 (2019), A69.
- 1020. GRAVITY Collaboration, Perraut, K., Labadie, L., Lazareff, B., Klarmann, L., Segura-Cox, D., Benisty, M., Bouvier, J., Brandner, W., Caratti o Garatti, A., Caselli, P., Dougados, C., Garcia, P., Garcia-Lopez, R., Kendrew, S., Koutoulaki, M., Kervella, P., Lin, C.-C., Pineda, J., Sanchez-Bermudez, J., van Dishoeck, E., Abuter, R., Amorim, A., Berger, J.-P., Bonnet, H., Buron, A., Cantalloube, F., Clénet, Y., Coudé Du Foresto, V., Dexter, J., de Zeeuw, P. T., Duvert, G., Eckart, A., Eisenhauer, F., Eupen, F., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Gordo, P., Grellmann, R., Haubois, X., Haussmann, F., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Jocou, L., Lacour, S., Le Bouquin, J.-B., Léna, P., Mérand, A., Ott,

- T., Paumard, T., Perrin, G., Pfuhl, O., Rabien, S., Ray, T., Rau, C., Rousset, G., Scheithauer, S., Straub, O., Straubmeier, C., Sturm, E., Vincent, F., Waisberg, I., Wank, I., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Woillez, J., Yazici, S.: The GRAVITY Young Stellar Object Survey. I. Probing the Disks of Herbig Ae/Be stars in Terrestrial Orbits. *Astron. Astrophys.* 632 (2019), A53.
1021. Mesa, D. Keppler, M., Cantalloube, F., Rodet, L., Charnay, B., Gratton, R., Langlois, M., Boccaletti, A., Bonnefoy, M., Vigan, A., Flasseur, O., Bae, J., Benisty, M., Chauvin, G., de Boer, J., Desidera, S., Henning, Th., Lagrange, A.-M., Meyer, M., Milli, J., Müller, A., Pairet, B., Zurlo, A., Antonucci, S., Baudino, J.-L., Brown Sevilla, S., Cascone, E., Cheetham, A., Claudi, R. U., Delorme, P., D’Orazi, V., Feldt, M., Hagelberg, J., Janson, M., Kral, Q., Lagadec, E., Lazzoni, C., Ligi, R., Maire, A.-L., Martinez, P., Menard, F., Meunier, N., Perrot, C., Petrus, S., Pinte, C., Rickman, E. L., Rochat, S., Rouan, D., Samland, M., Sauvage, J.-F., Schmidt, T., Udry, S., Weber, L., Wildi, F.: VLT/SPHERE Exploration of the Young Multiplanetary System PDS70. *Astron. Astrophys.* 632 (2019), A25.
1022. Kossakowski, D., Espinoza, N., Brahm, R., Jordán, A., Henning, Th., Rojas, F., Kürster, M., Sarkis, P., Schlecker, M., Pozuelos, F. J., Barkaoui, K., Jehin, E., Gillon, M., Matthews, E., Horch, E. P., Ciardi, D. R., Crossfield, I. J. M., Gonzales, E., Howell, S. B., Matson, R., Schlieder, J., Jenkins, J., Ricker, G., Seager, S., Winn, J. N., Li, J., Rose, M. E., Smith, J. C., Dynes, S., Morgan, E., Villaseñor, J. N., Charbonneau, D., Jaffe, T., Yu, L., Bakos, G., Bhatti, W., Bouchy, F., Collins, K. A., Collins, K. I., Csubry, Z., Evans, P., Jensen, E. L. N., Lovis, C., Marmier, M., Nielsen, L. D., Osip, D., Pepe, F., Relles, H. M., Ségransan, D., Shporer, A., Stockdale, C., Suc, V., Turner, O., Udry, S.: TOI-150b and TOI-163b: Two Transiting hot Jupiters, one Eccentric and one Inflated, Revealed by TESS near and at the Edge of the JWST CVZ. *MNRAS* 490 (2019), 1094.
1023. Sadavoy, S. I., Stephens, I. W., Myers, P. C., Looney, L., Tobin, J., Kwon, W., Comerçon, B., Segura-Cox, D., Henning, Th., Hennebelle, P.: Dust Polarization toward Embedded Protostars in Ophiuchus with ALMA. III. Survey Overview. *Astrophys. J. Suppl. Series* 245 (2019), 2.
1024. Iserlohe, C., Bryant, A., Krabbe, A., Beckmann, S., Colditz, S., Fischer, C., Fumi, F., Geis, N., Henning, Th., Hönle, R., Klein, R., Looney, L. W., Poglitsch, A., Raab, W., Rebell, F., Vacca, W. D.: FIFI-LS Observations of the Circumnuclear Ring. Probing the High-density Phase of the PDR. *Astrophys. J.* 885 (2019), 169.
1025. Rouillé, G., Steglich, M., Hemberger, P., Jäger, C., Henning, Th.: Threshold Dissociation of the 1-ethynylpyrene Cation at Internal Energies Relevant to H I Regions. *Astrophys. J.* 885 (2019), 21.
1026. Beuzit, J.-L., Vigan, A., Mouillet, D., Dohlen, K., Gratton, R., Boccaletti, A., Sauvage, J.-F., Schmid, H. M., Langlois, M., Petit, C., Baruffolo, A., Feldt, M., Milli, J., Wahhaj, Z., Abe, L., Anselmi, U., Antichi, J., Barette, R., Baudrand, J., Baudoz, P., Bazzon, A., Bernardi, P., Blanchard, P., Brast, R., Bruno, P., Buey, T.,

Carbillet, M., Carle, M., Cascone, E., Chapron, F., Charton, J., Chauvin, G., Claudi, R., Costille, A., De Caprio, V., de Boer, J., Delboulb , A., Desidera, S., Dominik, C., Downing, M., Dupuis, O., Fabron, C., Fantinel, D., Farisato, G., Feautrier, P., Fedrigo, E., Fusco, T., Gigan, P., Ginski, C., Girard, J., Giro, E., Gisler, D., Gluck, L., Gry, C., Henning, Th., Hubin, N., Hugot, E., Incorvaia, S., Jaquet, M., Kasper, M., Lagadec, E., Lagrange, A.-M., Le Coroller, H., Le Mignant, D., Le Ruyet, B., Lessio, G., Lizon, J.-L., Llored, M., Lundin, L., Madec, F., Magnard, Y., Marteaud, M., Martinez, P., Maurel, D., M nard, F., Mesa, D., M ller-Nilsson, O., Moulin, T., Moutou, C., Orign , A., Parisot, J., Pavlov, A., Perret, D., Pragt, J., Puget, P., Rabou, P., Ramos, J., Reess, J.-M., Rigal, F., Rochat, S., Roelfsema, R., Rousset, G., Roux, A., Saisse, M., Salasnich, B., Santambrogio, E., Scuderi, S., Segransan, D., Sevin, A., Siebenmorgen, R., Soenke, C., Stadler, E., Suarez, M., Tiph ne, D., Turatto, M., Udry, S., Vakili, F., Waters, L. B. F. M., Weber, L., Wildi, F., Zins, G., Zurlo, A.: SPHERE: The Exoplanet Imager for the Very Large Telescope. *Astron. Astrophys.* 631 (2019), A155.

1027. Gieser, C. Semenov, D., Beuther, H., Ahmadi, A., Mottram, J. C., Henning, Th., Beltran, M., Maud, L. T., Bosco, F., Leurini, S., Peters, T., Klaassen, P., Kuiper, R., Feng, S., Urquhart, J. S., Moscadelli, L., Csengeri, T., Lumsden, S., Winters, J. M., Suri, S., Zhang, Q., Pudritz, R., Palau, A., Menten, K. M., Galvan-Madrid, R., Wyrowski, F., Schilke, P., S nchez-Monge,  ., Linz, H., Johnston, K. G., Jim nez-Serra, I., Longmore, S., M ller, T.: Chemical Complexity in High-mass Star Formation. An Observational and Modeling Case Study of the AFGL 2591 VLA 3 Hot Core. *Astron. Astrophys.* 631 (2019), A142.
1028. Musso Barcucci, A., Cugno, G., Launhardt, R., M ller, A., Szulagyi, J., van Boekel, R., Henning, Th., Bonnefoy, M., Quanz, S. P.: Detection of H  Emission from PZ Telescopii B Using SPHERE/ZIMPOL. *Astron. Astrophys.* 631 (2019), A84.
1029. Liu, H. B., M rand, A., Green, J. D., P rez, S., Hales, A. S., Yang, Y.-L., Dunham, M. M., Hasegawa, Y., Henning, Th., Galv n-Madrid, R., K sp l,  ., Takami, M., Vorobyov, E. I., Zhu, Z.: Diagnosing 0.1-10 au Scale Morphology of the FU Ori Disk Using ALMA and VLTI/GRAVITY. *Astrophys. J.* 884 (2019), 97.
1030. Molaverdikhani, K., Henning, Th., Molli re, P.: From Cold to Hot Irradiated Gaseous Exoplanets: Fingerprints of Chemical Disequilibrium in Atmospheric Spectra. *Astrophys. J.* 883 (2019), 194.
1031. Olofsson, J., Milli, J., Th bault, Kral, Q., M nard, F., Janson, M., Augereau, J.-C., Bayo, A., Beam n, J. C., Henning, Th., Iglesias, D., Kennedy, G. M., Montesinos, M., Pawellek, N., Schreiber, M. R., Zamora, C., Carbillet, M., Feautrier, P., Fusco, T., Madec, F., Rabou, P., Sevin, A., Szul gyi, J., Zurlo, A.: Dust Production in the Debris Disk around HR 4796 A. *Astron. Astrophys.* 630 (2019), A142.
1032. Chira, R.-A., Ib  nez-Mej a, J. C., Mac Low, M.-M., Henning, Th.: How do Velocity Structure Functions Trace Gas Dynamics in Simulated Molecular Clouds? *Astron. Astrophys.* 630 (2019), A97.

1033. Bhowmik, T., Boccaletti, A., Thébault, P., Kral, Q., Mazoyer, J., Milli, J., Maire, A.L., van Holstein, R. G., Augereau, J. C., Baudoz, P., Feldt, M., Galicher, R., Henning, Th., Lagrange, A.-M., Olofsson, J., Pantin, E., Perrot, C.: Spatially Resolved Spectroscopy of the Debris Disk HD 32297. Further Evidence of Small Dust Grains. *Astron. Astrophys.* 630 (2019), A85.
1034. Sánchez-López, A., Alonso-Floriano, F. J., López-Puertas, M., Snellen, I. A. G., Funke, B., Nagel, E., Bauer, F. F., Amado, P. J., Caballero, J. A., Czesla, S., Nortmann, L., Pallé, E., Salz, M., Reiners, A., Ribas, I., Quirrenbach, A., Anglada-Escudé, G., Béjar, V. J. S., Casasayas-Barris, N., Galadí-Enríquez, D., Guenther, E. W., Henning, Th., Kaminski, A., Kürster, M., Lampón, M., Lara, L. M., Montes, D., Morales, J. C., Stangret, M., Tal-Or, L., Sanz-Forcada, J., Schmitt, J. H. M. M., Zapatero Osorio, M. R., Zechmeister, M.: Water Vapor Detection in the Transmission Spectra of HD 209458 b with the CARMENES NIR Channel. *Astron. Astrophys.* 630 (2019), A53.
1035. Morales, J. C., Mustill, A. J., Ribas, I., Davies, M. B., Reiners, A., Bauer, F. F., Kossakowski, D., Herrero, E., Rodríguez, E., López-González, M. J., Rodríguez-López, C., Béjar, V. J. S., González-Cuesta, L., Luque, R., Pallé, E., Perger, M., Baroch, D., Johansen, A., Klahr, H., Mordasini, C., Anglada-Escudé, G., Caballero, J. A., Cortés-Contreras, M., Dreizler, S., Lafarga, M., Nagel, E., Passegger, V. M., Reffert, S., Rosich, A., Schweitzer, A., Tal-Or, L., Trifonov, T., Zechmeister, M., Quirrenbach, A., Amado, P. J., Guenther, E. W., Hagen, H.-J., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Montes, D., Seifert, W., Abellán, F. J., Abril, M., Aceituno, J., Aceituno, F. J., Alonso-Floriano, F. J., Ammler-von Eiff, M., Antona, R., Arroyo-Torres, B., Azzaro, M., Barrado, D., Becerril-Jarque, S., Benítez, D., Berdiñas, Z. M., Bergond, G., Brinkmüller, M., del Burgo, C., Burn, R., Calvo-Ortega, R., Cano, J., Cárdenas, M. C., Cardona Guillén, C., Carro, J., Casal, E., Casanova, V., Casasayas-Barris, N., Chaturvedi, P., Cifuentes, C., Claret, A., Colomé, J., Czesla, S., Díez-Alonso, E., Dorda, R., Emsenhuber, A., Fernández, M., Fernández-Martín, A., Ferro, I. M., Fuhrmeister, B., Galadí-Enríquez, D., Gallardo Cava, I., García Vargas, M. L., Garcia-Piquer, A., Gesa, L., González-Álvarez, E., González Herández, J. I., González-Peinado, R., Guàrdia, J., Guijarro, A., de Guindos, E., Hatzes, A. P., Hauschildt, P. H., Hedrosa, R. P., Hermelo, I., Hernández Arabi, R., Hernández Otero, F., Hintz, D., Holgado, G., Huber, A., Huke, P., Johnson, E. N., de Juan, E., Kehr, M., Kemmer, J., Kim, M., Klüter, J., Klutsch, A., Labarga, F., Labiche, N., Lalitha, S., Lampón, M., Lara, L. M., Launhardt, R., Lázaro, F. J., Lizon, J.-L., Llamas, M., Lodieu, N., López del Fresno, M., López Salas, J. F., López-Santiago, J., Magán Madinabeitia, H., Mall, U., Mancini, L., Mandel, H., Marfil, E., Marín Molina, J. A., Martín, E. L., Martín-Fernández, P., Martín-Ruiz, S., Martínez-Rodríguez, H., Marvin, C. J., Mirabet, E., Moya, A., Naranjo, V., Nelson, R. P., Nortmann, L., Nowak, G., Ofir, A., Pascual, J., Pavlov, A., Pedraz, S., Pérez Medialdea, D., Pérez-Calpena, A., Perryman, M. A. C., Rabaza, O., Ramón Ballesta, A., Rebolo, R., Redondo, P., Rix, H.-W., Rodler, F., Rodríguez Trinidad, A., Sabotta, S., Sadegi, S., Salz, M., Sánchez-Blanco, E., Sánchez Carrasco, M. A., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L. F., Schäfer,

- S., Schlecker, M., Schmitt, J. H. M. M., Schöfer, P., Solano, E., Sota, A., Stahl, O., Stock, S., Stuber, T., Stürmer, J., Suárez, J. C., Tabernero, H. M., Tulloch, S. M., Veredas, G., Vico-Linares, J. I., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Yan, F., Zapatero Osorio, M. R.: A Giant Exoplanet Orbiting a Very-Low-mass Star Challenges Planet Formation Models. *Science* 365 (2019), 1441.
1036. Pawellek, N., Móor, A., Milli, J., Kóspál, Á, Olofsson, J., Ábrahám, P., Keppler, M., Kral, Q., Pohl, A., Augereau, J.-C., Boccaletti, A., Chauvin, G., Choquet, É., Engler, N., Henning, Th., Langlois, M., Lee, E. J., Ménard, F., Thébault, P., Zurlo, A.: A Multi-wavelength Study of the Debris Disc around 49 Cet. *MNRAS* 488 (2019), 3507.
1037. Li, S.-S., Zang, W., Udalski, A., Shvartzvald, Y., Huber, D., Lee, C.-U., Sumi, T., Gould, A., Mao, S., Fouqué, P., Wang, T., Dong, S., Jørgensen, U. G., Cole, A., Mróz, P., Szymański, M. K., Skowron, J., Poleski, R., Soszyński, I., Pietrukowicz, P., Kozłowski, S., Ulaczyk, K., Rybicki, K. A., Iwanek, P., Yee, J. C., Calchi Novati, S., Beichman, C. A., Bryden, G., Carey, S., Gaudi, B. S., Henderson, C. B., Zhu, W., Albrow, M. D., Chung, S.-J., Han, C., Hwang, K.-H., Jung, Y. K., Ryu, Y.-H., Shin, I.-G., Cha, S.-M., Kim, D.-J., Kim, H.-W., Kim, S.-L., Lee, D.-J., Lee, Y., Park, B.-G., Pogge, R. W., Bond, I. A., Abe, F., Barry, R., Bennett, D. P., Bhattacharya, A., Donachie, M., Fukui, A., Hirao, Y., Itow, Y., Kondo, I., Koshimoto, N., Li, M. C. A., Matsubara, Y., Muraki, Y., Miyazaki, S., Nagakane, M., Ranc, C., Rattenbury, N. J., Suematsu, H., Sullivan, D. J., Suzuki, D., Tristram, P. J., Yonehara, A., Christie, G., Drummond, J., Green, J., Hennerley, S., Natusch, T., Porritt, I., Bachelet, E., Maoz, D., Street, R. A., Tsapras, Y., Bozza, V., Dominik, M., Hundertmark, M., Peixinho, N., Sajadian, S., Burgdorf, M. J., Evans, D. F., Figuera Jaimes, R., Fujii, Y. I., Haikala, L. K., Helling, C., Henning, Th., Hinse, T. C., Mancini, L., Longa-Peña, P., Rahvar, S., Rabus, M., Skottfelt, J., Snodgrass, C., Southworth, J., Unda-Sanzana, E., von Essen, C., Beaulieu, J.-P., Blackman, J., Hill, K.: OGLE-2017-BLG-1186: First Application of Asteroseismology and Gaussian Processes to Microlensing. *MNRAS* 488 (2019), 3308.
1038. Mesa, D., Langlois, M., Garufi, A., Gratton, R., Desidera, S., D’Orazi, V., Flasseur, O., Barbieri, M., Benisty, M., Henning, Th., Ligi, R., Sissa, E., Vigan, A., Zurlo, A., Boccaletti, A., Bonnefoy, M., Cantalloube, F., Chauvin, G., Cheetham, A., De Caprio, V., Delorme, P., Feldt, M., Fusco, T., Gluck, L., Hagelberg, J., Lagrange, A.-M., Lazzoni, C., Madec, F., Maire, A.-L., Menard, F., Meyer, M., Ramos, J., Rickman, E. L., Rouan, D., Schmidt, T., Van der Plas, G.: Determining Mass Limits around HD 163296 through SPHERE Direct Imaging Data. *MNRAS* 488 (2019), 37.
1039. Wisniewski, J. P., Kowalski, A. F., Davenport, J. R. A., Schneider, G., Grady, C. A., Hebb, L., Lawson, K. D., Augereau, J.-C., Boccaletti, A., Brown, A., Debes, J. H., Gaspar, A., Henning, Th., Hines, D. C., Kuchner, M. J., Lagrange, A.-M., Milli, J., Sezestre, E., Stark, C. C., Thalmann, C.: High-Fidelity Imaging of the Inner AU Mic Debris Disk: Evidence of Differential Wind Sculpting? *Astrophys. J.* 883 (2019), L8.

1040. Carrasco-González, C., Sierra, A., Flock, M., Zhu, Z., Henning, Th., Chandler, C., Galván-Madrid, R., Macías, E., Anglada, G., Linz, H., Osorio, M., Rodríguez, L. F., Testi, L., Torrelles, J. M., Pérez, L., Liu, Y.: The Radial Distribution of Dust Particles in the HL Tau Disk from ALMA and VLA Observations. *Astrophys. J.* 883 (2019), 71.
1041. Santos, F. P., Chuss, D. T., Dowell, C. D., Houde, M., Looney, L. W., Lopez Rodríguez, E., Novak, G., Ward-Thompson, D., Berthoud, M., Dale, D. A., Guerra, J. A., Hamilton, R. T., Hanany, S., Harper, D. A., Henning, Th., Jones, T. J., Lazarian, A., Michail, J. M., Morris, M. R., Staguhn, J., Stephens, I. W., Tassis, K., Trinh, C. Q., Van Camp, E., Volpert, C. G., Wollack, E. J.: The Far-Infrared Polarization Spectrum of ρ Ophiuchi A from HAWC+/SOFIA Observations. *Astrophys. J.* 882 (2019), 113.
1042. Dib, S., Henning, Th.: Star Formation Activity and the Spatial Distribution and Mass Segregation of Dense Cores in the Early Phases of Star Formation. *Astron. Astrophys.* 629 (2019), A135.
1043. Alonso-Floriano, F. J., Snellen, I. A. G., Czesla, S., Bauer, F. F., Salz, M., Lampón, M., Lara, L. M., Nagel, E., López-Puertas, M., Nortmann, L., Sánchez-López, A., Sanz-Forcada, J., Caballero, J. A., Reiners, A., Ribas, I., Quirrenbach, A., Amado, P. J., Aceituno, J., Anglada-Escudé, G., Béjar, V. J. S., Brinkmüller, M., Hatzes, A. P., Henning, Th., Kaminski, A., Kürster, M., Labarga, F., Montes, D., Pallé, E., Schmitt, J. H. M. M., Zapatero Osorio, M. R.: He I λ 10 830 Å in the Transmission Spectrum of HD209458 b. *Astron. Astrophys.* 629 (2019), A110.
1044. Montesinos, B., Eiroa, C., Lillo-Box, J., Rebollido, I., Djupvik, A. A., Absil, O., Ertel, S., Marion, L., Kajava, J. J. E., Redfield, S., Isaacson, H., Cánovas, H., Meeus, G., Mendigutía, I., Mora, A., Rivière-Marichalar, P., Villaver, E., Maldonado, J., Henning, Th.: HR 10: A Main-sequence Binary with Circumstellar Envelopes around Both Components. Discovery and Analysis. *Astron. Astrophys.* 629 (2019), A19.
1045. Bosco, F., Beuther, H., Ahmadi, A., Mottram, J. C., Kuiper, R., Linz, H., Maud, L., Winters, J. M., Henning, Th., Feng, S., Peters, T., Semenov, D., Klaassen, P. D., Schilke, P., Urquhart, J. S., Beltrán, M. T., Lumsden, S. L., Leurini, S., Moscadelli, L., Cesaroni, R., Sánchez-Monge, Á., Palau, A., Pudritz, R., Wyrowski, F., Longmore, S.: Fragmentation, Rotation, and Outflows in the High-mass Star-forming Region IRAS 23033+5951. A Case Study of the IRAM NOEMA Large Program CORE. *Astron. Astrophys.* 629 (2019), A10.
1046. Macías, E., Espaillat, C. C., Osorio, M., Anglada, G., Torrelles, J. M., Carrasco-González, C., Flock, M., Linz, H., Bertrang, G. H.-M., Henning, Th., Gómez, J. F., Calvet, N., Dent, W. R. F.: Characterization of Ring Substructures in the Protoplanetary Disk of HD 169142 from Multi-wavelength Atacama Large Millimeter/submillimeter Array Observations. *Astrophys. J.* 881 (2019), 159.
1047. Espinoza, N., Hartman, J. D., Bakos, G. Á, Henning, Th., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Csubry, Z., Suc, V., Jordán, A., Mancini, L., Tan, T. G.,

- Penev, K., Rabus, M., Sarkis, P., de Val-Borro, M., Durkan, S., Lazar, J., Papp, I., Sari, P.: HATS-54b-HATS-58Ab: Five New Transiting Hot Jupiters Including One with a Possible Temperate Companion. *Astron. J.* 158 (2019), 63.
1048. Luque, R., Pallé, E., Kossakowski, D., Dreizler, S., Kemmer, J., Espinoza, N., Burt, J., Anglada-Escudé, G., Béjar, V. J. S., Caballero, J. A., Collins, K. A., Collins, K. I., Cortés-Contreras, M., Díez-Alonso, E., Feng, F., Hatzes, A., Hellier, C., Henning, Th., Jeffers, S. V., Kaltenegger, L., Kürster, M., Madden, J., Molaverdikhani, K., Montes, D., Narita, N., Nowak, G., Ofir, A., Oshagh, M., Parviainen, H., Quirrenbach, A., Reffert, S., Reiners, A., Rodríguez-López, C., Schlecker, M., Stock, S., Trifonov, T., Winn, J. N., Zapatero Osorio, M. R., Zechmeister, M., Amado, P. J., Anderson, D. R., Batalha, N. E., Bauer, F. F., Bluhm, P., Burke, C. J., Butler, R. P., Caldwell, D. A., Chen, G., Crane, J. D., Dragomir, D., Dressing, C. D., Dynes, S., Jenkins, J. M., Kaminski, A., Klahr, H., Kotani, T., Lafarga, M., Latham, D. W., Lewin, P., McDermott, S., Montañés-Rodríguez, P., Morales, J. C., Murgas, F., Nagel, E., Pedraz, S., Ribas, I., Ricker, G. R., Rowden, P., Seager, S., Shectman, S. A., Tamura, M., Teske, J., Twicken, J. D., Vanderspeck, R., Wang, S. X., Wohler, B.: Planetary System around the Nearby M-Dwarf GJ 357 Including a Transiting, Hot, Earth-sized Planet Optimal for Atmospheric Characterization. *Astron. Astrophys.* 628 (2019), A39.
1049. Brown Sevilla, S. B., Cantalloube, F., Brandner, W., Feldt, M., Henning, Th., Maire, A.-L., Schlieder, J., Boccaletti, A., Bonnefoy, M., Chauvin, G., Desidera, S., D’Orazi, V., Gratton, R., Keppler, M., Lagrange, A.-M., Langlois, M., Mesa, D., Meyer, M., Samland, M., Schmidt, T., Vigan, A.: High-contrast Imaging Study on the Candidate Companions around the Star AH Lep. *Research Notes of the American Astronomical Society* 3 (2019), 100.
1050. Bayo, A., Olofsson, J., Matra, L., Beamín, J. C., Gallardo, J., de Gregorio-Monsalvo, I., Booth, M., Zamora, C., Iglesias, D., Henning, Th., Schreiber, M. R., Cáceres, C.: Sub-millimetre Non-contaminated Detection of the Disc around TWA 7 by ALMA. *MNRAS* 486 (2019), 5552.
1051. Ubeira Gabellini, M. G., Miotello, A., Facchini, S., Ragusa, E., Lodato, G., Testi, L., Benisty, M., Bruderer, S., T. Kurtovic, N., Andrews, S., Carpenter, J., Corder, S. A., Dipierro, G., Ercolano, B., Fedele, D., Guidi, G., Henning, Th., Isella, A., Kwon, W., Linz, H., McClure, M., Perez, L., Ricci, L., Rosotti, G., Tazzari, M., Wilner, D.: A Dust and Gas Cavity in the Disc around CQ Tau Revealed by ALMA. *MNRAS* 486 (2019), 4638.
1052. Potapov, A., Jäger, C., Henning, Th.: Photodesorption of Water Ice from Dust Grains and Thermal Desorption of Cometary Ices Studied by the INSIDE Experiment. *Astrophys. J.* 880 (2019), 12.
1053. Brahm, R., Espinoya, N., Jordán, A., Henning, Th., Sarkis, P., Jones, M., Díaz, M., Jenkins, J., Vanz, L., Zapata, A., Petrovich, C., Kossakowski, D., Rabus, M., Rojas, F., Torres, P.: HD 1397b: A Transiting Warm Giant Planet Orbiting a $V = 7.8$ mag Subgiant Star Discovered by TESS. *Astron. J.* 158 (2019), 45.

1054. Passegger, V. M., Schweitzer, A., Shulyak, D., Nagel, E., Hauschildt, P. H., Reiners, A., Amado, P. J., Caballero, J. A., Cortés-Contreras, M., Domínguez-Fernández, A. J., Quirrenbach, A., Ribas, I., Azzaro, M., Anglada-Escudé, G., Bauer, F. F., Béjar, V. J. S., Dreizler, S., Guenther, E. W., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Martín, E. L., Montes, D., Morales, J. C., Schmitt, J. H. M. M., Zechmeister, M.: The CARRMENES Search for Exoplanets around M-Dwarfs. Photospheric Parameters of Target Stars from High-resolution Spectroscopy. II. Simultaneous Multi-wavelength Range Modeling of Activity Insensitive Lines. *Astron. Astrophys.* 627 (2019), A161.
1055. Lalitha, S., Baroch, D., Morales, J. C., Passegger, V. M., Bauer, F. F., Cardona Guillén, C., Dreizler, S., Oshagh, M., Reiners, A., Ribas, I., Caballero, J. A., Quirrenbach, A., Amado, P. J., Béjar, V. J. S., Colomé, J., Cortés-Contreras, M., Galadí-Enríquez, D., González-Cuesta, L., Guenther, E. W., Hagen, H.-J., Henning, Th., Herrero, E., Husser, T.-O., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Lodieu, N., López-González, M. J., Montes, D., Perger, M., Rosich, A., Rodríguez, E., Rodríguez-López, C., Schmitt, J. H. M. M., Tal-Or, L., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Detection of a Mini-Neptune around LSPM J2116+0234 and Refinement of Orbital Parameters of a Super-Earth around GJ 686 (BD+18 3421). *Astron. Astrophys.* 627 (2019), A116.
1056. Musso Barcucci, A., Launhardt, R., Kennedy, G., Avenhaus, H., Brems, S. S., van Boekel, R., Cantalloube, F., Cheetham, A., Cugno, G., Girard, J., Godoy, N., Henning, Th., Metchev, S., Müller, A., Olofsson, J., Pepe, F., Quanz, S. P., Quirrenbach, A., Reffert, S., Rickman, E. L., Samland, M., Segransan, D.: ISPY - NaCo Imaging Survey for Planets around Young Stars. Discovery of an M-Dwarf in the Gap between HD 193571 and its Debris Ring. *Astron. Astrophys.* 627 (2019), A77.
1057. Cesaroni, R., Beuther, H., Ahmadi, A., Beltrán, M. T., Csengeri, T., Galván-Madrid, R., Gieser, C., Henning, Th., Johnston, K. G., Klaassen, P. D., Kuiper, R., Leurini, S., Linz, H., Longmore, S., Lumsden, S. L., Maud, L. T., Moscadelli, L., Mottram, J. C., Palau, A., Peters, T., Pudritz, R. E., Sánchez-Monge, Á., Schilke, P., Semenov, D., Suri, S., Urquhart, J. S., Winters, J. M., Zhang, Q., Zinnecker, H.: IRAS 23385+6053: An Embedded Massive Cluster in the Making. *Astron. Astrophys.* 627 (2019), A68.
1058. Mollière, P., Wardenier, J. P., van Boekel, R., Henning, Th., Molaverdikhani, K., Snellen, I. A. G.: petitRADTRANS. A Python Radiative Transfer Package for Exoplanet Characterization and Retrieval. *Astron. Astrophys.* 627 (2019), A67.
1059. Zechmeister, M., Dreizler, S., Ribas, I., Reiners, A., Caballero, J. A., Bauer, F. F., Béjar, V. J. S., González-Cuesta, L., Herrero, E., Lalitha, S., López-González, M. J., Luque, R., Morales, J. C., Pallé, E., Rodríguez, E., Rodríguez López, C., Tal-Or, L., Anglada-Escudé, G., Quirrenbach, A., Amado, P. J., Abril, M., Aceituno, F. J., Aceituno, J., Alonso-Floriano, F. J., Ammler-von Eiff, M., Antona Jiménez, R., Anwand-Heerwart, H., Arroyo-Torres, B., Azzaro, M., Baroch, D., Barrado, D., Becerril, S., Benítez, D., Berdiñas, Z. M., Bergond, G., Bluhm, P., Brinkmüller, M.,

del Burgo, C., Calvo Ortega, R., Cano, J., Cardona Guillén, C., Carro, J., Cárdenas Vázquez, M. C., Casal, E., Casasayas-Barris, N., Casanova, V., Chaturvedi, P., Cifuentes, C., Claret, A., Colomé, J., Cortés-Contreras, M., Czesla, S., Díez-Alonso, E., Dorda, R., Fernández, M., Fernández-Martín, A., Fuhrmeister, B., Fukui, A., Galadí-Enríquez, D., Gallardo Cava, I., Garcia de la Fuente, J., Garcia-Piquer, A., García Vargas, M. L., Gesa, L., Góngora Rueda, J., González-Álvarez, E., González Hernández, J. I., González-Peinado, R., Grözing, U., Guàrdia, J., Guíjarro, A., de Guindos, E., Hatzes, A. P., Hauschildt, P. H., Hedrosa, R. P., Helmling, J., Henning, Th., Hermelo, I., Hernández Arabi, R., Hernández Castaño, L., Hernández Otero, F., Hintz, D., Huke, P., Huber, A., Jeffers, S. V., Johnson, E. N., de Juan, E., Kaminski, A., Kemmer, J., Kim, M., Klahr, H., Klein, R., Klüter, J., Klutsch, A., Kossakowski, D., Kürster, M., Labarga, F., Lafarga, M., Llamas, M., Lampón, M., Lara, L. M., Launhardt, R., Lázaro, F. J., Lodieu, N., López del Fresno, M., López-Puertas, M., López Salas, J. F., López-Santiago, J., Magán Madinabeitia, H., Mall, U., Mancini, L., Mandel, H., Marfil, E., Marín Molina, J. A., Maroto Fernández, D., Martín, E. L., Martín-Fernández, P., Martín-Ruiz, S., Marvin, C. J., Mirabet, E., Montañés-Rodríguez, P., Montes, D., Moreno-Raya, M. E., Nagel, E., Naranjo, V., Narita, N., Nortmann, L., Nowak, G., Ofir, A., Oshagh, M., Panduro, J., Parviainen, H., Pascual, J., Passegger, V. M., Pavlov, A., Pedraz, S., Pérez-Calpena, A., Pérez Medialdea, D., Perger, M., Perryman, M. A. C., Rabaza, O., Ramón Ballesta, A., Rebolo, R., Redondo, P., Reffert, S., Reinhardt, S., Rhode, P., Rix, H.-W., Rodler, F., Rodríguez Trinidad, A., Rosich, A., Sadegi, S., Sánchez-Blanco, E., Sánchez Carrasco, M. A., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L. F., Schäfer, S., Schmitt, J. H. M. M., Schöfer, P., Schweitzer, A., Seifert, W., Shulyak, D., Solano, E., Sota, A., Stahl, O., Stock, S., Strachan, J. B. P., Stuber, T., Stürmer, J., Suárez, J. C., Tabernero, H. M., Tala Pinto, M., Trifonov, T., Veredas, G., Vico Linares, J. I., Vilardell, F., Wagner, K., Wolthoff, V., Xu, W., Yan, F., Zapatero Osorio, M. R.: The CARMENES Search for Exoplanets around M-Dwarfs. Two Temperate Earth-mass Planet Candidates around Teegarden's Star. *Astron. Astrophys.* 627 (2019), A49.

1060. Borgniet, S., Perraut, K., Su, K., Bonnefoy, M., Delorme, P., Lagrange, A., Bailey, V., Buenzli, E., Defrère, D., Henning, Th., Hinz, P., Leisenring, J., Meunier, N., Mourad, D., Nardetto, N., Skemer, A., Spalding, E.: Constraints on HD 113337 Fundamental Parameters and Planetary System. Combining Long-base Visible Interferometry, Disc Imaging, and High-contrast Imaging. *Astron. Astrophys.* 627 (2019), A44.
1061. Krasnokutski, S. A., Tkachenko, O., Jäger, C., Henning, Th.: Formation of a Long-lived Cyclic Isomer of Ethylenedione. *Physical Chemistry Chemical Physics (Incorporating Faraday Transactions)* 21 (2019), 12986.
1062. Potapov, A., Theulé, P., Jäger, C., Henning, Th.: Evidence of Surface Catalytic Effect on Cosmic Dust Grain Analogs: The Ammonia and Carbon Dioxide Surface Reaction. *Astrophys. J.* 878 (2019), L20.
1063. Huber, D., Chaplin, W., Chontos, A., Kjeldsen, H., Christensen-Dalsgaard, J., Bed-

ding, T. R., Ball, W., Brahm, R., Espinoza, N., Henning, Th., Jordán, A., Sarkis, P., Knudstrup, E., Albrecht, S., Grundahl, F., Fredslund Andersen, M., Pallé, P. L., Crossfield, I., Fulton, B., Howard, A. W., Isaacson, H. T., Weiss, L. M., Handberg, R., Lund, M. N., Serenelli, A. M., Rørsted Mosumgaard, J., Stockholm, A., Bieryla, A., Buchhave, L. A., Latham, D. W., Quinn, S. N., Gaidos, E., Hirano, T., Ricker, G. R., Vanderspek, R. K., Seager, S., Jenkins, J. M., Winn, J. N., Antia, H. M., Appourchaux, T., Basu, S., Bell, K. J., Benomar, O., Bonanno, A., Buzasi, D. L., Campante, T. L., Celik Orhan, Z., Corsaro, E., Cunha, M. S., Davies, G. R., Deheuvels, S., Grunblatt, S. K., Hasanzadeh, A., Di Mauro, M. P., García, R. A., Gaulme, P., Girardi, L., Guzik, J. A., Hon, M., Jiang, C., Kallinger, T., Kawaler, S. D., Kuzlewicz, J. S., Lebreton, Y., Li, T., Lucas, M., Lundkvist, M. S., Mann, A. W., Mathis, S., Mathur, S., Mazumdar, A., Metcalfe, T. S., Miglio, A., Monteiro, M. J. P. F. G., Mosser, B., Noll, A., Nsamba, B., Ong, J. M. J., Örtel, S., Pereira, F., Ranadive, P., Régulo, C., Rodrigues, T. S., Roxburgh, I. W., Silva Aguirre, V., Smalley, B., Schofield, M., Sousa, S. G., Stassun, K. G., Stello, D., Tayar, J., White, T. R., Verma, K., Vrad, M., Yildiz, M., Baker, D., Bazot, M., Beichmann, C., Bergmann, C., Bugnet, L., Cale, B., Carlino, R., Cartwright, S. M., Christiansen, J. L., Ciardi, D. R., Creevey, O., Dittmann, J. A., Do Nascimento Jr., J.-D., Van Eylen, V., Fűrész, G., Gagné, J., Gao, P., Gazeas, K., Giddens, F., Hall, O. J., Hekker, S., Ireland, M. J., Latouf, N., LeBrun, D., Levine, A. M., Matzko, W., Natinsky, E., Page, E., Plavchan, P., Mansouri-Samani, M., McCaulliff, S., Mullally, S. E., Orenstein, B., Garcia Soto, A., Paegert, M., van Saders, J. L., Schnaible, C., Soderblom, D. R., Szabó, R., Tanner, A., Tinney, C. G., Teske, J., Thomas, A., Trampedach, R., Wright, D., Yuan, T. T., Zohrabi, F.: A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. *Astron. J.* 157 (2019), 245.

1064. Shulyak, D., Reiners, A., Nagel, E., Tal-Or, L., Caballero, J. A., Zechmeister, M., Béjar, V. J. S., Cortés-Contreras, M., Martin, E. L., Kaminski, A., Ribas, I., Quirrenbach, A., Amado, P. J., Anglada-Escudé, G., Bauer, F. F., Dreizler, S., Guenther, E. W., Henning, Th., Jeffers, S. V., Kürster, M., Lafarga, M., Montes, D., Morales, J. C., Pedraz, S.: Magnetic Fields in M-Dwarfs from the CARMENES Survey. *Astron. Astrophys.* 626 (2019), A86.
1065. Milli, J., Engler, N., Schmid, H., Olofsson, J., Ménard, F., Kral, Q., Boccaletti, A., Thébault, P., Choquet, E., Mouillet, D., Lagrange, A.-M., Augereau, J.-C., Pinte, C., Chauvin, G., Dominik, C., Perrot, C., Zurlo, A., Henning, Th., Beuzit, J.-L., Avenhaus, H., Bazzon, A., Moulin, T., Llored, M., Moeller-Nilsson, O., Roelfsema, R., Pragt, J.: Optical Polarised Phase Function of the HR 4796A Dust Ring. *Astron. Astrophys.* 626 (2019), A54.
1066. Currie, T., Marois, C., Cieza, L., Mulders, G. D., Lawson, K., Caceres, C., Rodriguez-Ruiz, D., Wisniewski, J., Guyon, O., Brandt, T. D., Kasdin, N. J., Groff, T. D., Lozi, J., Chilcote, J., Hodapp, K., Jovanovic, N., Martinache, F., Skaf, N., Lyra, W., Tamura, M., Asensio-Torres, R., Dong, R., Grady, C., Gerard, B., Fukagawa, M., Hand, D., Hayashi, M., Henning, Th., Kudo, T., Kuzuhara, M., Kwon, J., McElwain, M. W., Uyama, T.: No Clear, Direct Evidence for Multiple Protoplanets Orbiting

LkCa 15: LkCa 15 bcd are Likely Inner Disk Signals. *Astrophys. J.* 877 (2019), L3.

1067. White, J. A., Kóspál, Á., Rab, C., Ábrahám, P., Cruz-Sáenz de Miera, F., Csengeri, T., Fehér, O., Güsten, R., Henning, Th., Vorobyov, E., Audard, M., Postel, A.: APEX Observations of the CO Envelope around the Young FUor-type Star V883 Ori. *Astrophys. J.* 877 (2019), 21.
1068. Rodriguez, J. E., Quinn, S., Huang, C., Vanderburg, A., Penev, K., Brahm, R., Jordán, A., Ikwut-Ukwa, M., Tsirulik, S., Latham, D. W., Stassun, K. G., Shporer, A., Ziegler, C., Matthews, E., Eastman, J. D., Gaudi, B. S., Collins, K. A., Guerrero, N., Relles, H. M., Barclay, T., Batalha, N. M., Berlind, P., Bieryla, A., Bouma, L. G., Boyd, P. T., Burt, J., Calkins, M. L., Christiansen, J., Ciardi, D. R., Colón, K. D., Conti, D. M., Crossfield, I. J. M., Daylan, T., Dittmann, J., Dragomir, D., Dynes, S., Espinoza, N., Esquerdo, G. A., Essack, Z., Garcia Soto, A., Glidden, A., Günther, M. N., Henning, Th., Jenkins, J. M., Kielkopf, J. F., Krishnamurthy, A., Law, N. M., Levine, A. M., Lewin, P., Mann, A. W., Morgan, E. H., Morris, R. L., Oelkers, R. J., Paegert, M., Pepper, J., Quintana, E. V., Ricker, G. R., Rowden, P., Seager, S., Sarkis, P., Schlieder, J. E., Sha, L., Tokovinin, A., Torres, G., Vanderspek, R. K., Villanueva Jr., S., Villaseñor, J. N., Winn, J. N., Wohler, B., Wong, I., Yahalomi, D. A., Yu, L., Zhan, Z., Zhou, G.: An Eccentric Massive Jupiter Orbiting a Subgiant on a 9.5-day Period Discovered in the Transiting Exoplanet Survey Satellite Full Frame Images. *Astron. J.* 157 (2019), 191.
1069. GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P. T., Dexter, J., Duvert, G., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gerhard, O., Gillessen, S., Habibi, M., Haubois, X., Henning, Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jocou, L., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Rodriguez Coira, G., Rousset, G., Scheithauer, S., Sternberg, A., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wiegand, E., Wiegand, E., Wozniak, E., Woillez, J., Yazici, S.: A Geometric Distance Measurement to the Galactic Center Black Hole with 0.3% Uncertainty. *Astron. Astrophys.* 625 (2019), L10.
1070. Keppler, M., Teague, R., Bae, J., Benisty, M., Henning, Th., van Boekel, R., Chapillon, E., Pinilla, P., Williams, J. P., Bertrang, G. H.-M., Facchini, S., Flock, M., Ginski, C., Juhasz, A., Klahr, H., Liu, Y., Müller, A., Pérez, L. M., Pohl, A., Rosotti, G., Samland, M., Semenov, D.: Highly Structured Disk around the Planet Host PDS 70 Revealed by High-angular Resolution Observations with ALMA. *Astron. Astrophys.* 625 (2019), A118.
1071. Schweitzer, A., Passegger, V., Cifuentes, C., Béjar, V. J. S., Cortés-Contreras, M., Caballero, J. A., del Burgo, C., Czesla, S., Kürster, M., Montes, D., Zapatero Osorio, M. R., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Aceituno, J., Anglada-Escudé, G., Bauer, F. F., Dreizler, S., Jeffers, S. V., Guenther, E. W., Henning, Th.,

- Kaminski, A., Lafarga, M., Marfil, E., Morales, J. C., Schmitt, J. H. M. M., Seifert, W., Solano, E., Tabernero, H. M., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Different Roads to Radii and Masses of the Target Stars. *Astron. Astrophys.* 625 (2019), 68.
1072. Jones, M. I., Brahm, R., Espinoza, N., Wang, S., Shporer, A., Henning, Th., Jordán, A., Sarkis, P., Paredes, L. A., Hodari-Sadiki, J., Henry, T., Cruz, B., Nielsen, L. D., Bouchy, F., Pepe, F., Ségransan, D., Turner, O., Udry, S., Marmier, M., Lovis, C., Bakos, G., Osip, D., Suc, V., Ziegler, C., Tokovinin, A., Law, N. M., Mann, A. W., Relles, H., Collins, K. A., Bayliss, D., Sedaghati, E., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Smith, J. C., Davies, M., Tenenbaum, P., Dittmann, J., Vanderburg, A., Christiansen, J. L., Haworth, K., Doty, J., Furész, G., Laughlin, G., Matthews, E., Crossfield, I., Howell, S., Ciardi, D., Gonzales, E., Matson, R., Beichman, C., Schlieder, J.: HD 2685 b: A Hot Jupiter Orbiting an Early F-type Star Detected by TESS. *Astron. Astrophys.* 625 (2019), A16.
1073. Marino, S., Flock, M., Henning, Th., Kral, Q., Matrà, L., Wyatt, M. C.: Population Synthesis of Exocometary Gas around A Stars. *MNRAS* 492 (2020), 4409.
1074. Lendl, M., Bouchy, F., Gill, S., Nielsen, L. D., Turner, O., Stassun, K., Acton, J. S., Anderson, D. R., Armstrong, D. J., Bayliss, D., Belardi, C., Bryant, E. M., Burleigh, M. R., Chaushev, A., Casewell, S. L., Cooke, B. F., Eigmüller, P., Gillen, E., Goad, M. R., Günther, M. N., Hagelberg, J., Jenkins, J. S., Loudon, T., Marmier, M., McCormac, J., Moyano, M., Pollacco, D., Raynard, L., Tilbrook, R. H., Udry, S., Vines, J. I., West, R. G., Wheatley, P. J., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J., Jenkins, J. M., Addison, B., Briceño, C., Brahm, R., Caldwell, D. A., Doty, J., Espinoza, N., Goeke, B., Henning, Th., Jordán, A., Krishnamurthy, A., Law, N., Morris, R., Okumura, J., Mann, A. W., Rodriguez, J. E., Sarkis, P., Schlieder, J., Twicken, J. D., Villanueva, S., Wittenmyer, R. A., Wright, D. J., Ziegler, C.: TOI-222: A Single-transit TESS Candidate Revealed to be a 34-d Eclipsing Binary with CORALIE, EulerCam, and NGTS. *MNRAS* 492 (2020), 1761.
1075. Marino, S., Wyatt, M., Kennedy, G., Matrà, L., Triaud, A., Henning, Th.: Searching for a Dusty Cometary Belt around TRAPPIST-1 with ALMA. *MNRAS* 248 (2020), 6067
1076. Espinoza, N., Brahm, R., Henning, Th., Jordán, A., Dorn, C., Rojas, F., Sarkis, P., Kossakowski, D., Schlecker, M., Díaz, M. R., Jenkins, J. S., Aguilera-Gomez, C., Jenkins, J. M., Twicken, J. D., Collins, K. A., Lissauer, J., Armstrong, D. J., Adibekyan, V., Barrado, D., Barros, S. C. C., Battley, M., Bayliss, D., Bouchy, F., Bryant, E. M., Cooke, B. F., Demangeon, O. D. S., Dumusque, X., Figueira, P., Giles, H., Lillo-Box, J., Lovis, C., Nielsen, L. D., Pepe, F., Pollacco, D., Santos, N. C., Sousa, S. G., Udry, S., Wheatley, P. J., Turner, O., Marmier, M., Ségransan, D., Ricker, G., Latham, D., Seager, S., Winn, J. N., Kielkopf, J. F., Hart, R., Wingham, G., Jensen, E. L. N., Helminiak, K. G., Tokovinin, A., Briceño, C., Ziegler, C., Law, N. M., Mann, A. W., Daylan, T., Doty, J. P., Guerrero, N., Boyd, P., Crossfield,

- I., Morris, R. L., Henze, C. E., Chacon, A. D.: HD 213885b: A Transiting 1-d-Period Super-Earth with an Earth-like Composition around a Bright ($V = 7.9$) Star Unveiled by TESS. *MNRAS* 491 (2020), 2982.
1077. Grady, C. A., Wisniewski, J., Schneider, G., Boccaletti, A., Gaspar, A., Debes, J., Hines, D., Stark, C., Thalman, C., Lagrange, A., Augereau, J.-C., Sezestre, E., Milli, J., Henning, Th., Kuchner, M.: The Eroding Disk of AU Mic. *Astrophys J.* 889 (2020), L21.
1078. Krasnokutski, S. A., Jäger, C., Henning, Th.: Condensation of Atomic Carbon: Possible Routes toward Glycine. *Astrophys. J.* 889 (2020), 67.
1079. Mayama, S., Pérez, S., Kusakabe, N., Muto, T., Tsukagoshi, T., Sitko, M. L., Takami, M., Hashimoto, J., Dong, R., Kwon, J., Hayashi, S. S., Kudo, T., Kuzuhara, M., Follette, K., Fukagawa, M., Momose, M., Oh, D., de Leon, J., Akiyama, E., Wisniewski, J. P., Yang, Y., Abe, L., Brandner, W., Brandt, T. D., Bonnefoy, M., Carson, J. C., Chilcote, J., Currie, T., Feldt, M., Goto, M., Grady, C. A., Groff, T., Guyon, O., Hayano, Y., Hayashi, M., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Jovanovic, N., Kandori, R., Kasdin, J., Knapp, G. R., Lozi, J., Martinache, F., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nakagawa, T., Nishimura, T., Pyo, T.-S., Rich, E. A., Serabyn, E., Suto, H., Suzuki, R., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Uyama, T., Tamura, M.: Subaru Near-infrared Imaging Polarimetry of Misaligned Disks around the SR 24 Hierarchical Triple System. *Astron. J.* 159 (2020), 12.
1080. Maire, A.-L., Baudino, J.-L., Desidera, S., Messina, S., Brandner, W., Godoy, N., Cataliounbe, F., Galicher, R., Bonnefoy, M., Hagelberg, J., Olofsson, J., Absil, O., Chauvin, G., Henning, Th., Langlois, M.: A Dusty Benchmark Brown Dwarf Near the Ice Line of HD 72946. *Astron. Astrophys.* 633 (2020), L2.
1081. Ramírez-Tannus, M. C., Poorta, J., Bik, A., Kaper, L., de Koter, A., De Ridder, J., Beuther, H., Brandner, W., Davies, B., Gennarro, M., Guo, D., Henning, Th., Linz, H., Naylor, T., Pasquali, A., Ramírez-Agudelo, G., Sana, H.: The Young Stellar Content of the Giant H II Regions M 8, G333.6-0.2, and NGC 6357 with VLT/KMOS. *Astron. Astrophys.* 633 (2020), 155.
1082. Sanchis, E., Testi, L., Natta, A., Manara, C., Ercolano, B., Preibisch, T., Henning, Th., Facchini, S., Miotello, A., de Gregorio-Monsalvo, I., Lopez, C., Mužić, K., Pascucci, I., Santamaría-Miranda, A., Scholz, A., Tazzari, M., van Terwisga, S., Williams, J.: Demographics of Disks around Young Very Low-mass Stars and Brown Dwarfs in Lupus. *Astron. Astrophys.* 633 (2020), 114.
1083. GRAVITY Collaboration, Nowak, M., Lacour, S., Mollière, P., Wang, J., Charnay, B., van Dishoeck, E. F., Abuter, R., Amorim, A., Berger, J. P., Beust, H., Bonnefoy, M., Bonnet, H., Brandner, W., Buron, A., Cantalloube, F., Collin, C., Chapron, F., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P. T., Dembet, R., Dexter, J., Duvert, G., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Fédou, P., Garcia

- Lopez, R., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Haußmann, F., Henning, Th., Hippler, S., Hubert, Z., Jocou, L., Kervella, P., Lagrange, A.-M., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Maire, A.-L., Ott, T., Paumard, T., Paladini, C., Perraut, K., Perrin, G., Pueyo, L., Pfuhl, O., Rabien, S., Rau, C., Rodríguez-Coira, G., Rousset, G., Scheithauer, S., Shangguan, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., Ziegler, D.: Peering into the Formation History of β Pictoris b with VLTI/GRAVITY Long-baseline Interferometry. *Astron. Astrophys.* 633 (2020), A110.
1084. de Boer, J., Langlois, M., van Holstein, R., Girard, J. H., Mouillet, D., Vigan, A., Dohlen, K., Snik, F., Keller, C. U., Ginski, C., Stam, D. M., Milli, J., Wahhaj, Z., Kasper, M., Schmid, H. M., Rabou, P., Gluck, L., Hugot, E., Perret, D., Martinez, P., Weber, L., Pragt, J., Sauvage, J.-F., Boccaletti, A., Le Coroller, H., Dominik, C., Henning, Th., Lagadec, E., Ménard, F., Turatto, M., Udry, S., Chauvin, G., Feldt, M., Beuzit, J.-L.: Polarimetric Imaging Mode of VLT/SPHERE/IRDIS. I. Description, Data Reduction, and Observing Strategy. *Astron. Astrophys.* 633 (2020), A63.
1085. Mancini, L., Sarkis, P., Henning, Th., Bakos, G., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Csubry, Z., Espinoza, N., Hartman, J., Jordán, A., Penev, K., Rabus, M., Suc, V., de Val-Borro, M., Zhou, G., Chen, G., Damasso, M., Southworth, J., Tan, T.: The Highly Inflated Giant Planet WASP-174b. *Astron. Astrophys.* 633 (2020), A30.
1086. Potapov, A., Jäger, C., Henning, Th.: Ice Coverage of Dust Grains in Cold Astrophysical Environments. *Physical Review Letters* 124 (2020), A22.
1087. Rigliaco, E., Gratton, R., Kospal, A., Mesa, D., D’Orazi, V., Ábrahám, P., Desidera, S., Ginski, C., van Holstein, R.G., Dominik, C., Graufi, A., Henning, Th., Menard, F., Zurlo, A., Baruffoo, A., Blanchard, P., Weber, L.: The Circumstellar Environment of EX Lup: The SPHERE and SINFONI Views. *Astron. Astrophys.* 641 (2020), 33
1088. Kennedy, G. M., Ginski, C., Kenworthy, M., Benisty, M., Henning, Th., van Holstein, R., Kral, Q., Ménard, F., Milli, J., Quiroga-Núñez, L., Rab, C., Stolker, T., Sturm, A.: A Low-mass Stellar Companion to the Young Variable Star RZ Psc. *MNRAS* 496 (2020), 75
1089. Hitchcock, J., Helling, C., Scholz, A., Hodosan, G., Dominik, M., Hundertmark, M., Jørgensen, U., Longa-Peña, P., Sajadian, S., Skottfelt, J., Snodgrass, C., Bozza, V., Burgdorf, M., Campbell-White, J., Figuera, R., Fujii, Y., Haikala, L., Henning, Th., Hinse, T., Lowry, S., Mancini, L., Rahvar, S., Rabus, M., Southworth, J., von Essen, C.: Large-scale Changes of the Cloud Coverage in the ϵ Indi Ba and Bb System. *MNRAS* 495 (2020), 3881
1090. Cataldi, G., Wu, Y., Brandeker, A., Ohashi, N., Moór, A., Olofsson, G., Ábrahám, P., Asensio-Torres, R., Cavallius, M., Dent, W., Grady, C., Henning, Th., Higuchi, A.,

- Hughes, A., Janson, M., Kamp, I., Kóspál, Á., Redfield, S., Roberge, A., Weinberger, A., Welsh, B.: The Surprisingly Low Carbon Mass in the Debris Disk around HD 32297. *Astrophys. J.* 892 (2020), 99
1091. Rouillé, G., Jäger, C., Henning, Th.: Separate Silicate and Carbonaceous Solids Formed from Mixed Atomic and Molecular Species Diffusing in Neon Ice. *Astrophys. J.* 892 (2020), 96.
1092. Hartman, J., Jordán, A., Bayliss, D., Bakos, G., Bento, J., Bhatti, W., Brahm, R., Csurby, Z., Espinoza, N., Henning, Th., Mancini, L., Penev, K., Rabus, M., Sarkis, P., Suc, V., de Val-Borro, M., Zhou, G., Crane, J., Shectman, S., Teske, J., Wang, S., Butler, R., Lázár, J., Papp, I., Sári, P., Anderson, D., Hellier, C., West, R., Barkaoui, K., Pozuelos, F., Jehin, E., Gillon, M., Nielsen, L., Lendl, M., Udry, S., Ricker, G., Vanderspeck, R., Latham, D., Seager, S., Winn, J., Christansen, J., Crossfield, I., Henze, C., Jenkins, J., Smith, J., Ting, E.: HATS-47b, HATS-48b, HATS-49b and HATS-72b: Four Warm Giant Planets Transiting K-Dwarfs. *Astron. J.* 159 (2020), 173.
1093. Gibbs, A., Bixel, A., Rackham, B., Apai, D., Schlecker, M., Espinoza, N., Mancini, L., Chen, W., Henning, Th., Gabor, P., Boyle, R., Perez Chavez, J., Mousseau, A., Dietrich, J., Jay Socia, Q., Ip, W., Ngeow, C., Tsai, A., Bhandare, A., Marian, V., Baehr, H., Brown, S., Häberle, M., Keppler, M., Molaverdikhani, K., Sarkis, P.: EDEN: Sensitivity Analysis and Transiting Planet Detection Limits for Nearby Late Red Dwarfs. *Astron. J.* 159 (2020), 169.
1094. Jordán, A., Brahm, R., Espinoza, N., Henning, Th., Jones, M., Kossakowski, D., Sarkis, P., Trifonov, T., Rojas, F., Torres, P., Drass, H., Nandakumar, S., Barbieri, M., Davis, A., Wang, Songhu, Bayliss, D., Bouma, L., Dragomir, D., Eastman, J., Daylan, T., Guerrero, N., Barclay, T., Ting, E., Vhristopher, E., Ricker, G., Vanderspek, R., Latham, D., Seager, S., Winn, Joshua, Jenkins, Jon, Wittenmyer, R., Bowler, B., Crossfield, I., Horner, J., Kane, S., Kielkopf, J., Morton, T., Plavchan, P., Tinney, C., Addison, B., Mengel, M., Okumura, J., Shahaf, S., Mazeh, T., Rabus, M., Shporer, A., Ziegler, C., Mann, A., Hart, R.: TOI-667b: A Warm Jupiter (P=11.2 days) on an Eccentric Orbit Transiting a late F-type Star. *Astron. J.* 159 (2020), 145.
1095. GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Berger, J., Bonnet, H., Brandner, W., Cardoso, V., Clénet, Y., de Zeeuw, P., Dexter, J., Eckart, A., Eisenhauer, F., Förster Schreiber, N., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Henning, Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jochum, L., Jocu, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J. -B., Léna, P., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rodríguez-Coira, G., Shangguan, J., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wierzorrek, E., Woillez, J., Yazici, S., Zins, G.: Detection of the Schwarzschild Precession in the Orbit of

the Star S2 near the Galactic Centre Massive Black Hole. *Astron. Astrophys.* 636 (2020), 5.

1096. Muro-Arena, G., Ginski, C., Dominik, C., Benisty, M., Pinilla, P., Bohn, A. J., Moldenhauer, T., Kley, W., Harsono, D., Henning, Th., van Holstein, R., Janson, M., Keppler, M., Ménard, F., Pérez, L., Stolker, T., Tazzari, M., Villenave, M., Zurlo, A., Petit, C., Rigal, F., Möller-Nilsson, O., Llored, M., Moulin, T., Rabou, P.: Spirals Inside the Millimetre Cavity of Transition Disk SR 21. *Astron. Astrophys.* 636 (2020), L4.
1097. Mottram, J., Beuther, H., Ahmadi, A., Klaassen, P., Beltrán, M., Csengeri, T., Feng, S., Gieser, C., Henning, Th., Johnston, K., Kuiper, R., Leurini, S., Linz, H., Longmore, S. N., Lumsden, S., Maud, L. T., Moscadelli, L., Palau, A., Peters, T., Pudritz, R., Ragan, S. E., Sánchez-Monge, Á., Semenov, D., Urquhart, J., Winters, J. M., Zinnecker, H.: From Clump to Disc Scales in W3 IRS4. A Case Study of the IRAM NOEMA Large Programme CORE. *Astron. Astrophys.* 636 (2020), 44.
1098. Lafarga, M., Ribas, I., Lovis, C., Perger, M., Zechmeister, M., Bauer, F. Kürster, M., Cortés-Contreras, M., Morales, J., Herrero, E., Rosich, A., Baroch, D., Reiners, A., Caballero, J., Quirrenbach, A., Amado, P. J., Alacid, J. M., Béjar, V., Dreizler, S., Hatzes, A., Henning, Th., Jeffers, S., Kaminski, A., Montes, D., Pedraz, S., Rodríguez-López, C., Schmitt, J.: The CARMENES Search for Exoplanets around M-Dwarfs. Radial Velocities and Activity Indicators from Cross-Correlation Functions with Weighted Binary Masks. *Astron. Astrophys.* 636 (2020), 18.
1099. GRAVITY Collaboration, Caratti o Garatti, A., Fedriani, R., Garcia Lopez, R., Koutoulaki, M., Perraut, K., Linz, H., Brandner, W., Garcia, P., Klarmann, L., Henning, Th., Labadie, L., Sanchez-Bermudez, J., Lazareff, B., van Dishoeck, E., Caselli, P., de Zeeuw, P., Bik, A., Benisty, M., Dougados, C., Ray, T., Amorim, A., Berger, J.-P., Clénet, Y., Coudé Du Foresto, V., Duvert, G., Eckart, A., Eisenhauer, F., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Gordo, P., Jocou, L., Horrobin, M., Kervella, P., Lacour, S., Le Bouquin, J.-B., Léna, P., Grellmann, R., Ott, T., Paumard, T., Perrin, G., Rousset, G., Scheithauer, S., Shangguan, J., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Thi, W. F., Vincent, F. H., Widmann, F.: The GRAVITY Young Stellar Object Survey. II. First Spatially Resolved Observations of the CO Bandhead Emission in a High-mass YSO. *Astron. Astrophys.* 635 (2020), L12.
1100. Chuang, K.-J., Fedoseev, G., Qasim, D., Ioppolo, S., Jäger, C., Henning, Th., Palumbo, M., van Dishoeck, E., Linnartz, H.: Formation of Complex Molecules in Translucent Clouds: Acetaldehyde, Vinyl Alcohol, Ketene, and Ethanol via "Nonenergetic" Processing of C₂H₂ Ice. *Astron. Astrophys.* 635 (2020), 199.
1101. GRAVITY Collaboration, Bauboöck, M., Dexter, J., Abuter, R., Amorim, A., Berger, J. P., Bonnet, H., Brandner, W., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P., Duvert, G., Eckart, A., Eisenhauer, F., Förster Schreiber, N., Gao, F., Garcia, P., Gendron, E., Genzel, R., Gerhard, O., Gillessen, S., Habibi, M., Haubois, X., Henning,

- Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jocou, L., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Rodríguez Coira, G., Rousset, G., Scheithauer, S., Stadler, J., Sternberg, A., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wiezorek, E., Woillez, J., Yazici, S.: Modeling the Orbital Motion of Sgr A*'s Near-infrared Flares. *Astron. Astrophys.* 635 (2020), 143.
1102. Muro-Arena, G., Benisty, M., Ginski, C., Dominik, C., Facchini, S., Villenave, M., van Boekel, R., Chauvin, G., Garufi, A., Henning, Th., Janson, M., Keppler, M., Matter, A., Ménard, F., Stolker, T., Zurlo, A., Blanchard, P., Maurel, D., Moeller-Nilsson, O., Petit, C., Roux, A., Sevin, A., Wildi, F.: Shadowing and Multiple Rings in the Protoplanetary Disk of HD 139614. *Astron. Astrophys.* 635 (2020), 121.
1103. Engler, N., Lazzoni, C., Gratton, R., Milli, J., Schmid, H., Chauvin, G., Kral, Q., Pawellek, N., Thébault, P., Boccaletti, A., Bonnefoy, M., Brown, S., Buey, T., Cantalloube, F., Carle, M., Cheetham, A., Desidera, S., Feldt, M., Ginski, C., Gisler, D., Henning, Th., Hunziker, S., Lagrange, A. M., Langlois, M., Mesa, D., Meyer, M. R., Moeller-Nilsson, O., Olofsson, J., Petit, C., Petrus, S., Quanz, S. P., Rickman, E., Stadler, E., Stolker, T., Vigan, A., Wildi, F., Zurlo, A.: HD 117214 Debris Disk: Scattered-light Images and Constraints on the Presence of Planets. *Astron. Astrophys.* 635 (2020), 19.
1104. Yang, Y., Akiyama, E., Currie, T., Dong, R., Hashimoto, J., Hayashi, S., Grady, C., Janson, M., Jovanovic, N., Uyama, T., Nakagawa, T., Kudo, T., Kusakabe, N., Kuzuhara, M., Abe, L., Brandner, W., Brandt, T., Bonnefoy, M., Carson, J., Chilcote, J. R., Evan, A., Feldt, M., Goto, M., Groff, T. D., Guyon, O., Hayano, Y., Hayashi, M., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Kandori, R., Kasdin, J., Knapp, G. R., Kwon, J., Lozi, J., Martinache, F., Matsuo, T., Mayama, S., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nishimura, T., Pyo, T.-S., Serabyn, E., Suto, H., Suzuki, R., Takami, M., Takato, N., Terada, H., Thalmann, C., Turner, E. L., Watanabe, M., Wisniewski, J. P., Yamada, T., Takami, H., Usuda, T., Tamura, M.: High-resolution Near-infrared Polarimetry and Submillimeter Imaging of FS Tau A: Possible Streamers in Misaligned Circumbinary Disk System. *Astrophys. J.* 889 (2020), 140.
1105. Passegger, V., Schweitzer, A., Shulyak, D., Nagel, E., Hauschildt, P., Reiners, A., Amado, P. J., Caballero, J. A., Cortés-Contreras, M., Domínguez-Fernández, A., Quirrenbach, A., Ribas, I., Azzaro, M., Anglada-Escudé, G., Bauer, F. F., Béjar, V. J. S., Dreizler, S., Guenther, E. W., Henning, Th., Jeffers, S., Kaminski, A., Kürster, M., Lafarga, M., Martín, E. L., Montes, D., Morales, J. C., Schmitt, J. H. M. M., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Photospheric Parameters of Target Stars from High-resolution Spectroscopy. II. Simultaneous Multi-wavelength Range Modeling of Activity Insensitive Lines (Corrigendum). *Astron. Astrophys.* 634C (2020), 2.
1106. Wang, Y., Beuther, H., Rugel, M., Soler, J., Stil, J., Ott, J., Bühr, S., McClure-

- Griffiths, N., Anderson, L., Klessen, R., Goldsmith, P., Roy, N., Glover, S., Urquhart, J., Heyer, M., Linz, H., Smith, R., Bigiel, F., Dempsey, J., Henning, Th.: The HI/OH/Recombination Line Survey of the Inner Milky Way (THOR): Data Release 2 and H I Overview. *Astron. Astrophys.* 634A (2020), 83.
1107. Hunziker, S., Schmid, H., Mouillet, D., Milli, J., Zurlo, A., Delorme, P., Abe, L., Avenhaus, H., Baruffolo, A., Bazzon, A., Boccaletti, A., Baudoz, P., Beuzit, J., Carbillet, M., Chauvin, G., Claudi, R., Costille, A., Daban, J.-B., Desidera, S., Dohlen, K., Dominik, C., Downing, M., Engler, N., Feldt, M., Fusco, T., Ginski, C., Gisler, D., Girard, J. H., Gratton, R., Henning, Th., Hubin, N., Kasper, M., Keller, C. U., Langlois, M., Lagadec, E., Martinez, P., Maire, A. L., Menard, F., Meyer, M. R., Pavlov, A., Pragt, J., Puget, P., Quanz, S. P., Rickman, E., Roelfsema, R., Salasnich, B., Sauvage, J.-F., Siebenmorgen, R., Sissa, E., Snik, F., Suarez, M., Szulágyi, J., Thalmann, Ch., Turatto, M., Udry, S., van Holstein, R. G., Vigan, A., Wildi, F.: RefPlanets: Search for Reflected Light from Extrasolar Planets with SPHERE/ZIMPOL. *Astron. Astrophys.* (2020), 634A .
1108. Mayama, S., Pérez, S., Kusakabe, N., Muto, T., Tsukagoshi, T., Sitko, M., Takami, M., Hashimoto, J., Dong, R., Kwon, J., Hayashi, S., Kudo, T., Kuzuhara, M., Follette, K., Fukagawa, M., Momose, M., Oh, D., de Leon, J., Akiyama, E., Wisniewski, J. P., Yang, Y., Abe, L., Brandner, W., Brandt, T. D., Bonnefoy, M., Carson, J. C., Chilcote, J., Currie, T., Feldt, M., Goto, M., Grady, C. A., Groff, T., Guyon, O., Hayano, Y., Hayashi, M., Henning, Th., Hodapp, K. W., Ishii, M., Iye, M., Janson, M., Jovanovic, N., Kandori, R., Kasdin, J., Knapp, G. R., Lozi, J., Martinache, F., Matsuo, T., McElwain, M. W., Miyama, S., Morino, J.-I., Moro-Martin, A., Nakagawa, T., Nishimura, T., Pyo, T.-S., Rich, E. A., Serabyn, E., Suto, H., Suzuki, R., Takato, N., Terada, H., Thalmann, C., Tomono, D., Turner, E. L., Watanabe, M., Yamada, T., Takami, H., Usuda, T., Uyama, T., Tamura, M.: Subaru Near-infrared Imaging Polarimetry of Misaligned Disks around the SR 24 Hierarchical Triple System. *Astron. J.* 159 (2020), 12.
1109. van Holstein, R., Girard, J., de Boer, J., Snik, F., Milli, J., Stam, D. M., Ginski, C., Mouillet, D., Wahhaj, Z., Schmid, H., Keller, C., Langlois, M., Dohlen, K., Vigan, A., Pohl, A., Carbillet, M., Fantinel, D., Maurel, D., Origné, A., Petit, C., Ramos, J., Rigal, F., Sevin, A., Boccaletti, A., Le Coroller, H., Dominik, C., Henning, Th., Lagadec, E., Ménard, F., Turatto, M., Udry, S., Chauvin, G., Feldt, M., Beuzit, J.-L.: Polarimetric Imaging Mode of VLT/SPHERE/IRDIS. II. Characterization and Correction of Instrumental Polarization Effects. *Astron. Astrophys.* 633A (2020), 26.
1110. Wang, Y., Bihl S., Beuther, H., Rugel M., Soler J., Ott, J., Kainulainen J., Schneider, N., Klessen, R., Glover, S., McClure-Griffiths, N., Goldsmith, P., Johnston, K., Menten, K., Ragan, S., Anderson, L., Urquhart, J., Linz, H., Roy, N., Smith, R., Bigiel, F., Henning, Th., Longmore S.: Cloud Formation in the Atomic and Molecular Phase: HI Self Absorption (HISA) towards a Giant Molecular Filament. *Astron. Astrophys.* 634 (2020), 139.

1111. Launhardt, R., Henning, Th., Quirrenbach, A., Ségransan, D., Avenhaus, H., van Boekel, R., Brems, S., Cheetham, A., Cugno, G., Girard, J., Godoy, N., Kennedy, G., Maire, A-L., Metchev, S., Müller, A., Musso Barcucci, A., Olofsson, J., Pepe, F., Quanz, P., Queloz, D., Reffert, S., Rickman, E., Ruh, H., Samland, M.: ISPY-NACO Imaging Survey for Planets around Young Stars: Survey Description and Results from the First 2.5 Years of Observations. *Astron. Astrophys.* 635 (2020), 162.
1112. González-Álvarez, E., Zapatero Osorio, M., Caballero, A., Sanz-Forcada, J., Béjar, V. J. S., González-Cuesta, I., Dreizler, S., Bauer, F. F., Rodríguez, E., Tal-Or, L., Zechmeister, M., Montes, D., López-González, M. J., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Anglada-Escudé, G., Azzaro, M., Cortés-Contreras, M., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Morales, J. C., Pallé, E., Perger, M., Schmitt, J. H. M. M.: The CARMENES Search for Exoplanets around M-Dwarfs. A Super-Earth Planet Orbiting HD 79211 (GJ 338 B). *Astron. Astrophys.* 637, (2020), A93.
1113. Molaverdikhani, K., Henning, Th., Mollière, P.: The Role of Clouds on the Depletion of Methan and Water Dominance in the Transmission Spectra of Irradiated Exoplanets. *Astrophys. J.* 899 (2020), 53.
1114. Bauer, F.F., Zechmeister, M., Kaminiski, A., Rodríguez López, C., Caballero, J.A., Azzaro, M., Stahl, O., Kossakowski, D., Quirrenbach, D., Becerril Jarque, D., Rodríguez, E., Amado, P.J., Seifert, W., Reiners, A., Schäfer, S., Ribas, I., Béjar, J.S., Cortés-Contreras, M., Dreizler, S., Hatzes, A., Henning, Th., Jeffers, S. V., Kürster, M., Lafarga, M., Montes, D., Morales, J. C., Schmitt, J. H. M. M., Schweitzer, A., Solano, E.: The CARMENES Search for Exoplanets around M-Dwarfs. Measuring Precise Radial Velocites in the Near Infrared: The Example of the Super-Earth CD Cet b. *Astron. Astrophys.* 640A (2020), 50.
1115. Olofsson, J., Milli, J., Bayo, A., Henning, Th., Engler N.: The Challenge of Measuring the Phase Function of Debris Discs. Application to HR 4796 A. *Astron. Astrophys.* 640A (2020), 10.
1116. Vos, J. M., Biller, B. A., Allers, K. N., Faherty, J. K., Liu, M. C., Metchev, S., Eriksson, S., Manjavacas, E., Dupuy, T. J., Janson, M., Radigan-Hoffman, J., Crossfield, I., Bonnefoy, M., Best, W. M. J., Homeier, D., Schlieder, J. E., Brandner, W., Henning, Th., Bonavita, M., Buenzli, E.: Spitzer Variability Properties of Low-Gravity L-Dwarfs . *Astron. J.* 160 (2020), 38.
1117. Ménard, F. Cuello, N., Ginski, C., van der Plas, G., Villenave, G., Gonzalez, J.-F., Pinte, C., Benisty, M., Boccaletti, A., Price, D. J., Boehler, Y., Chripko, S., de Boer, J., Dominik, C., Garufi, A., Gratton, R., Hagelberg, J., Henning, Th., Langlois, M., Maire, A. L., Pinilla, P., Ruane, G. J., Schmid, H. M., van Holstein, R. G., Vigan, A., Zurlo, A., Hubin, N., Pavlov, A., Rochat, S., Sauvage, J.-F., Stadler, E.: Ongoing Flyby in the Young Multiple System UX Tauri. *Astron. Astrophys.* 639 (2020), 7.

1118. Bluhm P., Luque, R., Espinoza N., Pallé, E., Caballero, J. A, Dreizler S., Livingston, J. H., Mathur, S., Quirrenbach, S., Stock, S., Van Eylen, V., Nowak, G., López, E. D., Csizmadia, S., Zapatero Osorio, M. R., Schöfer, P., Lillo-Box, J., Oshagh, M., Gole-Álvarez, E., Amado, E. P., Barrado, D., Béjar, V. J. S., Cale, B., Chaturvedi, P., Cifuentes, C., Cochran, W. D., Collins, K. A., Collins, K. I., Cortés-Contreras, M., Díez Alonso, E., El Mufti, M., Ercolino, A., Fridlund, M., Gaidos, E., García, R. A., Georgieva, I., González-Cuesta, L., Guerra, P., Hatzes, A. P., Henning, Th., Herrero, E., Hidalgo, D., Isopi, G., Jeffers, S. V., Jenkins, J. M., Jensen, E. L. N., Kábath, P., Kaminski, A., Kemmer, J., Korth, J., Kossakowski, D., Kürster, M., Lafarga, M., Mallia, F., Montes, D., Morales, J. C., Morales-Calderón, M., Murgas, F., Narita, N., Passegger, V. M., Pedraz, S., Persson, C. M., Plavchan, P., Rauer, H., Redfield, S., Reffert, S., Reiners, A., Ribas, I., Ricker, G. R., Rodríguez-López, C., Santos, A. R. G., Seager, S., Schlecker, M., Schweitzer, A., Shan, Y., Soto, M. G., Subjak, J., Tal-Or, L., Trifonov, T., Vanaverbeke, S., Vanderspek, R., Wittrock, J., Zechmeister, M., Zohrabi, F.: Precise Mass and Radius of a Transiting Super-Earth Planet Orbiting the M-Dwarf TOI-1235: A Planet in the Radius Gap? *Astron. Astrophys.* 639A (2020), 132.
1119. Obermeier, C., Steuer J., Kellermann H., Saglia, R. P., Henning, Th., Riffeser, A., Hopp, U., Stefansson, G., Cañas, C., Joe P., Mahadevan, S., Isaacson, H. Howard, A. W., Livingston, J. H., Koppenhoefer, J., Bender, R.: Following the TraCS of Exoplanets with Pan-Planets: Wendelstein-1b and Wendelstein-2b. *Astron. Astrophys.* 639 (2020), 130.
1120. Carmichael, T. W., Quinn, S. N., Mustill, A. J., Huang, C., Zhou, G., Persson, C. M., Nielsen, L. D., Collins, Karen A., Ziegler, C., Collins, K. I., Rodriguez, J. E., Shporer, A., Brahm, R., Mann, A. W., Bouchy, F., Fridlund, M., Stassun, Keivan G., Hellier, C., Seidel, J. V., Stalport, M., Udry, S., Pepe, F., Ireland, M., Žerjal, M., Briceño, C., Law, N., Jordán, A., Espinoza, N., Henning, Th., Sarkis, P., Latham, D. W.: Two Intermediate-Mass Transiting Brown Dwarfs from the TESS Mission. *Astron. J.* 160 (2020), 53.
1121. Nielsen, L. D., Brahm, R., Bouchy, F., Espinoza, F., Turner, O., Rappaport, S., Pearce, L., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Acton, J. S., Bakos, G., Barclay, T., Barkaoui, K., Bhatti, W., Briceno, W., Bryant, E. M., Burleigh, M. R., Ciardi, D. R., Collins, K. A., Collins, K. I., Cooke, B. F., Csubry, Z., dos Santos, L. A., Eigmüller, P., Fausnaugh, M. M., Gan, T., Gillon, M., Goad, M. R., Guerrero, N., Hagelberg, J., Hart, R., Henning, Th., Huang, C. X., Jehin, E., Jenkins, J. S., Jordán, A., Kielkopf, J. F., Kossakowski, D., Lavie, B., Law, N., Lendl, M., de Leon, J. P., Lovis, C., Mann, A. W., Marmier, M., McCormac, J., Mori, M., Moyano, M., Narita, N., Osip, D., Otegi, J. F., Pepe, F., Pozuelos, F. J., Raynard, L., Relles, H. M., Sarkis, P., Ségransan, D., Seidel, J. V., Shporer, A., Stalport, M., Stockdale, C., Suc, V., Tamura, M., Tan, T. G., Tilbrook, R. H., Ting, E. B., Trifonov, T., Udry, S., Vanderburg, A., Wheatley, P. J., Wingham, G., Zhan, Z., Ziegler, C.: Three Short-Period Jupiter from TESS. HIP 65Ab, TOI-157b, and TOI-169b. *Astron. Astrophys.* 639A (2020), 76.

1122. Keppler, M., Penzlin, A., Benisty, M., van Boekel, R., Henning, Th., van Holstein, R. G., Kley, W., Garufi, A., Ginski, C., Brandner, W., Bertrang, G. H.-M., Boccaletti, A., de Boer, J., Bonavita, M., Brown Sevilla, S., Chauvin, G., Dominik, C., Janson, M., Langlois, M., Lodato, G., Maire, A.-L., Ménard, F., Pantin, E., Pinte, C., Stolker, T., Szulágyi, J., Thebault, P., Villenave, M., Zurlo, A., Rabou, P., Feautrier, P., Feldt, M., Madec, F., Wildi, F.: Gap Shadows, Spirals and Streamers: SPHERE Observations of Binary-Disk Interactions in GG Tauri A. *Astron. Astrophys.* 639A (2020), 62.
1123. Maire, A.-L., Molaverdikhani, K., Desidera, S., Trifonov, T., Mollière, P., D’Orazi, V., Frankel, N., Baudino, J.-L., Messina, S., Müller, A., Charnay, B., Cheetham, A., Delorme, P., Ligi, R., Bonnefoy, M., Brandner, W., Mesa, D., Cantalloube, F., Galicher, R., Henning, Th., Biller, B. A., Hagelberg, J., Lagrange, A.-M., Lavie, B., Rickman, E., Ségransan, D., Udry, S., Chauvin, G., Gratton, R., Langlois, M., Vigan, A., Meyer, M. R., Beuzit, J.-L., Bhowmik, T., Boccaletti, A., Lazzoni, C., Perrot, C., Schmidt, T., Zurlo, A., Gluck, L., Pragt, J., Ramos, J., Roelfsema, R., Roux, A., Sauvage, J.-F.: Orbital and Spectral Characterization of the Benchmark T-Type Brown Dwarf HD 19467B. *Astron. Astrophys.* 639A (2020), 47.
1124. Rebollido, I., Eiroa, C., Montesinos, B., Maldonado, J., Villaver, E., Absil, O., Bayo, A., Canovas, H., Carmona, A., Chen, C., Ertel, S., Henning, Th., Iglesias, D. P., Launhardt, R., Liseau, R., Meeus, G., Moór, A., Mora, A., Olofsson, J., Rauw, G., Riviere-Marichalar, P.: Exocomets: A Spectroscopic Survey. *Astron. Astrophys.* 639A (2020), 59.
1125. Pokhrel, R., Gutermuth, R. A., Betti, S. K., Offner, S. S. R., Myers, P. C., Megeath, T. S., Sokol, A. D., Ali, B., Allen, L., Allen, Tom S., Dunham, M. M., Fischer, W. J., Henning, Th., Heyer, M., Hora, J. L., Pipher, J. L., Tobin, J. J., Wolk, S. C.: Star-Gas Surface Density Correlations in 12 Nearby Molecular Clouds. I. Data Collection and Star-sampled Analysis. *Astrophys. J.* 896 (2020), 60.
1126. Bakos, G.Á., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Csubry, Z., Espinoza, N., Hartman, J. D., Henning, Th., Jordán, A., Mancini, L., Penev, K., Rabus, M., Sarkis, P., Suc, V., de Val-Borro, M., Zhou, G., Butler, R. P., Crane, J., Durkan, S., Shectman, S., Kim, J., Lázár, J., Papp, I., Sári, P., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J., Chacon, A. D., Fűrész, G., Goeke, B., Li, J., Quinn, S., Quintana, E. V., Tenenbaum, P., Teske, J., Vezie, M., Yu, L., Stockdale, C., Evans, P., Relles, H. M.: HATS-71b: A Giant Planet Transiting an M3 Dwarf Star in TESS Sector 1. *Astron. J.* 159 (2020), 267.
1127. Cooke, B. F., Pollacco, D., Almleaky, Y., Barkaoui, K., Benkhaldoun, Z., Blake, J. A., Bouchy, F., Boumis, P., Brown, D. J. A., Bruni, I., Burdanov, A., Cameron, A. C., Chote, P., Daassou, A., D’ago, G., Dalal, S., Damasso, M., Delrez, L., Doyle, A. P., Ducrot, E., Gillon, M., Hébrard, G., Hellier, C., Henning, Th., Jehin, E., Kiefer, F., King, G. W., Liakos, A., Lopez, T., Mancini, L., Mardling, R., Maxted, P. F. L., McCormac, J., Murray, C., Nielsen, L. D., Osborn, H., Pallé, E., Pepe, F., Pozuelos, F. J., Prieto-Arranz, J., Queloz, D., Schanche, N., Ségransan, D.,

- Smalley, B., Southworth, J., Thompson, S., Turner, O., Udry, S., Velasco, S., West, R., Wheatley, P., Alikakos, J.: Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b. *Astron. J.* 159 (2020), 255.
1128. Sanchis, E., Testi, L., Natta, A., Manara, C. F., Ercolano, B., Preibisch, T., Henning, Th., Facchini, S., Miotello, A., de Gregorio-Monsalvo, I., Lopez, C., Mužić, K., Pascucci, I., Santamaría-Miranda, A., Scholz, A., Tazzari, M., van Terwisga, S., Williams, J. P.: Demographics of Disks around Young Very Low-mass Stars and Dwarfs in Lupus (Corrigendum). *Astron. Astrophys.* 638C (2020), 1.
1129. Gratton, R., Zurlo, A., Le Coroller, H., Damasso, M., Del Sordo, F., Langlois, M., Mesa, D., Milli, J., Chauvin, G., Desidera, S., Hagelberg, J., Lagadec, E., Vigan, A., Boccaletti, A., Bonnefoy, M., Brandner, W., Brown, S., Cantalloube, F., Delorme, P., D’Orazi, V., Feldt, M., Galicher, R., Henning, Th.: Searching for the Near-infrared Counterpart of Proxima C Using Multi-Epoch High-contrast SPHERE Data at VLT. *Astron. Astrophys.* 638A (2020), 120.
1130. Cantalloube, F., Farley, O. J. D., Milli, J., Bharmal, N., Brandner, W., Correia, C., Dohn, K., Henning, Th., Osborn, J., Por, E., Suárez Valles, M., Vigan, A.: Wind-Driven Halo in High-contrast Images. I. Analysis of the Focal-Plane Images of SPHERE. *Astron. Astrophys.* 638A (2020), 98.
1131. Liu, B., Lambrechts, M., Johansen, A., Pascucci, I., Henning, Th.: Pebble-Driven Planet Formation around Very Low-mass Stars and Brown Dwarfs. *Astron. Astrophys.* 638A (2020), 120.
1132. Bhandare, A., Kuiper, R., Henning, Th., Fendt, C., Flock, M., Marleau, G.-C.: Birth of Convective Low-mass to High-mass Second Larson Cores. *Astron. Astrophys.* 638A (2020), 86.
1133. Beuther, H., Wang, Y., Soler, J. D., Linz, H., Henshaw, J., Vazquez-Semadeni, E., Gomez, G., Ragan, S., Henning, Th., Glover, S. C. O., Lee, M.-Y., Guesten, R.: Dynamical Cloud Formation Traced by Atomic and Molecular Gas. *Astron. Astrophys.* 638A (2020), 13.
1134. Trifonov, T., Lee, M. H., Kürster, M., Henning, Th., Grishin, E., Stock, S., Tjoa, J., Caballero, J. A., Wong, K. H., Bauer, F. F., Quirrenbach, A., Zechmeister, M., Ribas, I., Reffert, S., Reiners, A., Amado, P. J., Kossakowski, D., Azzaro, M., Béjar, V. J. S., Coréts-Contreras, M., Dreizler, S., Hatzes, A. P., Jeffers, S. V., Kaminski, A., Lafarga, M., Montes, D., Morales, J. C., Pavlov, A., Rodríguez-López, C., Schmitt, J. H. M. M., Solano, E., Barnes, R.: The CARMENES Search for Exoplanets around M-Dwarfs. Dynamical Characterization of the Multiple Planet System GJ 1148 and Prospects of Habitable Exomoons around GJ 1148 b. *Astron. Astrophys.* 638A (2020), 18.
1135. GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Bonnet, H., Brandner, W., Cardoso, V., Clenet, Y., de Zeeuw, P. T., Dexter, J., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen,

- S., Habibi, M., Haubois, X., Henning, Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Ponti, G., Rodriguez Coira, G., Shangguan, J., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S. D., Waisberg, I., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., Zins, G.: The Flux Distribution of Sgr A*. *Astron. Astrophys.* 638A (2020), 2.
1136. Potapov, A., Jäger, C., Henning, Th.: Thermal Formation of Ammonium Carbamate on the Surface of Laboratory Analogues of Carbonaceous Grains in Protostellar Envelopes and Planet-Forming Disks. *Astrophys. J.* 894 (2020), 110.
1137. Simončič, M., Semenov, D., Krasnokutski, S., Henning, Th., Jäger, C.: Sensitivity of Gas-Grain Chemical Models to Surface Reaction Barriers: Effect from a Key Carbon-Insertion Reaction, $C + H_2 \rightarrow CH_2$. *Astron. Astrophys.* 637A (2020), 9.
1138. Stock, S., Kemmer, J., Reffert, S., Trifonov, T., Kaminski, A., Dreizler, S., Quirrenbach, A., Caballero, J. A., Reiners, A., Jeffers, S. V., Anglada-Escudé, G., Ribas, I., Amado, P. J., Barrado, D., Barnes, J. R., Bauer, F. F., Berdiñas, Z. M., Béjar, V. J. S., Coleman, G. A. L., Cortés-Contreras, M., Díez-Alonso, E., Domínguez-Fernández, A. J., Espinoza, N., Haswell, C. A., Hatzes, A., Henning, Th., Jenkins, J. S., Jones, H. R. A., Kossakowski, D., Kürster, M., Lafarga, M., Lee, M. H., López González, M. J., Montes, D., Morales, J. C., Morales, N., Pallé, E., Pedraz, S., Rodríguez, E., Rodríguez-López, C., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Characterization of the nearby Ultra-Compact Multiplanetary System YZ Ceti. *Astron. Astrophys.* 636A (2020), 119.
1139. Astudillo-Defru, N., Cloutier, R., Wang, S. X., Teske, J., Brahm, R., Hellier, C., Ricker, G., Vanderspek, R., Latham, D., Seager, S., Winn, J. N., Jenkins, J. M., Collins, K. A., Stassun, K. G., Ziegler, C., Almenara, J. M., Anderson, D. R., Artigau, E., Bonfils, X., Bouchy, F., Briceno, C., Butler, R. P., Charbonneau, D., Conti, D. M., Crane, J., Crossfield, I. J. M., Davies, M., Delfosse, X., Díaz, R. F., Doyon, R., Dragomir, D., Eastman, J. D., Espinoza, N., Essack, Z., Feng, F., Figueira, P., Forveille, T., Gan, T., Glidden, A., Guerrero, N., Hart, R., Henning, Th., Horch, E. P., Isopi, G., Jenkins, J. S., Jordán, A., Kielkopf, J. F., Law, N., Lovis, C., Mallia, F., Mann, A. W., de Medeiros, J. R., Melo, C., Mennickent, R. E., Mignon, L., Murgas, F., Nusdeo, D. A., Pepe, F., Relles, H. M., Rose, M., Santos, N. C., Ségransan, D., Shectman, S., Shporer, A., Smith, J. C., Torres, P., Udry, S., Villaseñor, J., Winters, J. G., Zhou, G.: A Hot Terrestrial Planet Orbiting the Bright M-Dwarf L 168-9 Unveiled by TESS. *Astron. Astrophys.* 636A (2020), 58.
1140. Carone, L., Baeyens, R., Mollière, P., Barth, P., Vazan, A., Decin, L., Sarkis, P., Venot, O., Henning, Th.: Equatorial Anti-Rotating Day Side Wind Flow in WASP-43b elicited by Deep Wind Jets? *MNRAS* 496 (2020), 3582.
1141. Carleo, I., Gandolfi, D., Barragán, O., Livingston, J. H., Persson, C. M., Lam, K. W. F., Vidotto, A., Lund, M. B., Villarreal D'Angelo, C., Collins, K. A., Fossati,

- L., Howard, A. W., Kubyshkina, D., Brahm, R., Oklopčić, A., Mollière, P., Redfield, S., Serrano, L. M., Dai, F., Fridlund, M., Borsa, F., Korth, J., Esposito, M., Díaz, M. R., Dyregaard Nielsen, L., Hellier, C., Mathur, S., Deeg, H. J., Hatzes, A. P., Benatti, S., Rodler, F., Alarcon, J., Spina, L., Santos, A. R. G., Georgieva, I., García, Rafael A., González-Cuesta, L., Ricker, G. R., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Albrecht, S., Batalha, N. M., Beard, C., Boyd, P. T., Bouchy, F., Burt, J. A., Butler, R. P., Cabrera, J., Chontos, A., Ciardi, D. R., Cochran, W. D., Collins, K. I., Crane, J. D., Crossfield, I., Csizmadia, S., Dragomir, D., Dressing, C., Eigmüller, P., Endl, M., Erikson, A., Espinoza, N., Fausnaugh, M., Feng, F., Flowers, E., Fulton, B., Gonzales, E. J., Grieves, N., Grziwa, S., Guenther, E. W., Guerrero, N. M., Henning, Th., Hidalgo, D., Hirano, T., Hjorth, M., Huber, D., Isaacson, H., Jones, M., Jordán, A., Kabáth, P., Kane, S. R., Knudstrup, E., Lubin, J., Luque, R., Mireles, I., Narita, N., Nespral, D., Niraula, P., Nowak, G., Pallé, E., Pätzold, M., Petigura, E. A., Prieto-Arranz, J., Rauer, H., Robertson, P., Rose, M. E., Roy, A., Sarkis, P., Schlieder, J. E., Ségransan, D., Shtetman, S., Skarka, M., Smith, A. M. S., Smith, J. C., Stassun, K., Teske, J., Twicken, J. D., Van Eylen, V., Wang, S., Weiss, L. M., Wytttenbach, A.: The Multi-Planet System TOI-421. *Astron. J.* 160 (2020), 114.
1142. Jones, T. J., Kim, J.-A., Dowell, C. D., Morris, M. R., Pineda, J. L., Benford, D. J., Berthoud, M., Chuss, D. T., Dale, D. A., Fissel, L. M., Goldsmith, P. F., Hamilton, R. T., Hanany, S., Harper, D. A., Henning, Th., Lazarian, A., Looney, L. W., Michail, J. M., Novak, G., Santos, F. P., Sheth, K., Siah, J., Stacey, G. J., Staguhn, J., Stephens, I. W., Tassis, K., Trinh, C. Q., Vaillancourt, J. E., Ward-Thompson, D., Werner, M., Wollack, E. J., Zweibel, E. G., HAWC+ Science Team: HAWC+ Far-Infrared Observations of the Magnetic Field Geometry in M51 and NGC 891. *Astron. J.* 160 (2020), 167.
1143. Ohashi, S., Kataoka, A., Van der Marel, N., Hull, C. L. H., Dent, W. R. F., Pohl, A., Pinilla, P., van Dishoeck, E. F., Henning, Th.: Solving Grain Size Inconsistency between ALMA Polarization and VLA Continuum in the Ophiuchus IRS 48 Protoplanetary Disk. *Astrophys. J.* 900 (2020), 81.
1144. Mireles, I., Shporer, A., Grieves, N., Zhou, G., Günther, M. N., Brahm, R., Ziegler, C., Stassun, K. G., Huang, C. X., Nielsen, L., dos Santos, L. A., Udry, S., Bouchy, F., Ireland, M., Wallace, A., Sarkis, P., Henning, Th., Jordán, A., Law, N., Mann, A. W., Paredes, L. A., James, H.-S., Jao, W.-C., Henry, T. J., Butler, R. P., Rodriguez, J. E., Yu, L., Flowers, E., Ricker, G. R., Latham, D. W., Vanderspek, R., Seager, S., Winn, J. N., Jenkins, J. M., Furesz, G., Hesse, K., Quintana, E. V., Rose, M. E., Smith, J. C., Tenenbaum, P., Vezie, M., Yahalomi, D. A., Zhan, Z.: TOI 694b and TIC 220568520b: Two Low-mass Companions Near the Hydrogen Burning Mass Limit Orbiting Sun-like Stars. *Astron. J.* 160 (2020), 133.
1145. Mollière, P., Stolker, T., Lacour, S., Otten, G. P. P. L., Shangguan, J., Charnay, B., Molyarova, T., Nowak, M., Henning, Th., Marleau, G.-D., Semenov, D. A., van Dishoeck, E., Eisenhauer, F., Garcia, P., Garcia Lopez, R., Girard, J. H., Greenbaum, A. Z., Hinkley, S., Kervella, P., Kreidberg, L., Maire, A.-L., Nasedkin, E., Pueyo,

- L., Snellen, I. A. G., Vigan, A., Wang, J., de Zeeuw, P. T., Zurlo, A.: Retrieving Scattering Clouds and Disequilibrium Chemistry in the Atmosphere of HR 8799e. *Astron. Astrophys.* 640 (2020), A133.
1146. Jahnke, K., Fendt, C., Fouesneau, M., Georgiev, I., Herbst, T., Kaasinen, M., Kosakowski, D., Rybizki, J., Schlecker, M., Seidel, G., Henning, Th., Kreidberg, L., Rix, H.-W.: An Astronomical Institutes Perspective on Meeting the Challenges of the Climate Crisis. *Nature Astron.* 4 (2020), 812.
1147. Lazzoni, C., Zurlo, A., Desidera, S., Mesa, D., Fontanive, C., Bonavita, M., Ertel, S., Rice, K., Vigan, A., Boccaletti, A., Bonnefoy, M., Chauvin, G. P., Delorme, P., Gratton, R., Houll  , M., Maire, A. L., Meyer, M., Rickman E., Spalding, A., Asensio-Torres, R., Langlois, M., M  ller, A., Baudino, J.-L., Beuzit, J.-L., Biller, B., Brandner, W., Buenzli, E., Cantalloube, F., Cheetham, A., Cudel, M., Feldt, M., Galicher, R., Janson, M., Hagelberg, J., Henning, Th., Kasper, M., Keppler, M., Lagrange, A.-M., Lannier, J., LeCoroller, H., Mouillet, D., Peretti, S., Perrot, C., Salter, G., Samland, M., Schmidt, T., Sissa, E., Wildi, F.: The Search for Disks or Planetary Objects around Directly Imaged Companions: A Candidate around DH Tauri B. *Astron. Astrophys.* 641 (2020), 131.
1148. Gill, S., Wheatley, P. J., Cooke, B. F., Jord  n, A., Nielsen, L. D., Bayliss, D., Anderson, D. R., Vines, J. I., Lendl, M., Acton, J. S., Armstrong, D. J., Bouchy, F., Brahm, R., Bryant, E. M., Burleigh, M. R., Casewell, S. L., Eigm  ller, P., Espinoza, N., Gillen, E., Goad, M. R., Grieves, N., G  nther M. N., Henning, Th., Hobson, M. J., Hogan, A., Jenkins, J. S., McCormac, J., Moyano, M., Osborn, H. P., Pollacco, D., Queloz, D., Rauer, H., Raynard, L., Rojas, F., Sarkis, P., Smith, A. M. S., Pinto, M. T., Tilbrook, R. H., Udry, S., Watson, C. A., West, R. G.: NGTS-11 b (TOI-1847 b): A Transiting Warm Saturn Recovered from TESS Single-transit Event. *Astrophys. J.* 898 (2020), 11.
1149. Trifonov, T., Lee, M. H., K  rster, M., Henning, Th., Grishin, E., Stock, S., Tjoa, J., Caballero, J. A., Wong, K. H., Bauer, F. F., Quirrenbach, A., Zechmeister, M., Ribas, I., Reffert, S., Reiners, A., Amado, P. J., Kossakowski, D., Azzaro, M., B  jar, V. J. S., Cort  s-Contreras, M., Dreizler, S., Hatzes, A. P., Jeffers, S. V., Kaminski, A., Lafarga, M., Montes, D., Morales, J. C., Pavlov, A., Rodr  guez-L  pez, C., Schmitt, J. H. M. M., Solano, E., Barnes, R.: The CARMENES Search for Exoplanets around M-Dwarfs. Dynamical Characterization of the Multiple Planet System GJ 1148 and Prospects of Habitable Exomoons around GJ 1148 b. *Astron. Astrophys.* 638 (2020), A16.
1150. Wang, Y., Beuther, H., Schneider, N., Meidt, S. E., Linz, H., Ragan, S., Zucker, C., Battersby, C., Soler, J. D., Schinnerer, E., Bigiel, F., Colombo, D., Henning, Th.: Dense Gas in a Giant Molecular Filament. *Astron. Astrophys.* 641 (2020), A53.
1151. Nowak, G., Luque, R., Parviainen, H., Pall  , E., Molaverdikhani, K., B  jar, V. J. S., Lillo-Box, J., Rodr  guez-L  pez, C., Caballero, J. A., Zechmeister, M., Passegger, V. M., Cifuentes, C., Schweitzer, A., Narita, N., Cale, B., Espinoza, N., Murgas, F.,

- Hidalgo, D., Zapatero Osorio, M. R., Pozuelos, F. J., Aceituno, F. J., Amado, P. J., Barkaoui, K., Barrado, D., Bauer, F. F., Benkhaldoun, Z., Caldwell, D. A., Casasayas Barris, N., Chaturvedi, P., Chen, G., Collins, K. A., Collins, K. I., Cortés-Contreras, M., Crossfield, I. J. M., de León, J. P., Díez Alonso, E., Dreizler, S., El Mufti, M., Esparza-Borges, E., Essack, Z., Fukui, A., Gaidos, E., Gillon, M., Gonzales, E. J., Guerra, P., Hatzes, A., Henning, Th., Herrero, E., Hesse, K., Hirano, T., Howell, S. B., Jeffers, S. V., Jehin, E., Jenkins, J. M., Kaminski, A., Kemmer, J., Kielkopf, J. F., Kossakowski, D., Kotani, T., Kürster, M., Lafarga, M., Latham, D. W., Law, N., Lissauer, J. J., Lodieu, N., Madrigal-Aguado, A., Mann, A. W., Massey, B., Matson, R. A., Matthews, E., Montanés-Rodríguez, P., Montes, D., Morales, J. C., Mori, M., Nagel, E., Oshagh, M., Pedraz, S., Plavchan, P., Pollacco, D., Quirrenbach, A., Reffert, S., Reiners, A., Ribas, I., Ricker, G. R., Rose, M. E., Schlecker, M., Schlieder, J. E., Seager, S., Stangret, M., Stock, S., Tamura, M., Tanner, A., Teske, J., Trifonov, T., Twicken, J. D., Vanderspek, R., Watanabe, D., Wittrock, J., Ziegler, C., Zohrabi, F.: The CARMENES Search for Exoplanets around M-Dwarfs. Two Planets on Opposite Sides of the Radius Gap Transiting the Nearby M-Dwarf LTT 7780. *Astron. Astrophys.* 642 (2020), A173.
1152. Marino, S., Zurlo, A., Faramaz, V., Milli, J., Henning, Th., Kennedy, G. M., Matrà, L., Pérez, S., Delorme, P., Cieza, L. A., Hughes, A. M.: Insights into the Planetary Dynamics of HD 206893 with ALMA. *MNRAS* 498 (2020), 1319-1334.
1153. Olguin, F. A., Hoare, M. G., Johnston, K. G., Motte, F., Chen, H.-R. V., Beuther, H., Mottram, J. C., Ahmadi, A., Gieser, C., Semenov, D., Peters, T., Palau, A., Klaassen, P. D., Kuiper, R., Sánchez-Monge, Á., Henning, Th.: Multi-wavelength Modelling of the Circumstellar Environment of the Massive Proto-Star AFGL 2591 VLA 3. *MNRAS* 498 (2020), 4721-4744.
1154. Pearce, B. K., Molaverdikhani, K., Pudritz, R. E., Henning, Th., Hébrard, E.: HCN Production in Titan's Atmosphere: Coupling Quantum Chemistry and Disequilibrium Atmospheric Modeling. *Astrophys. J.* 901 (2020), 110.
1155. White, J. A., Kóspál, Á., Hughes, A. G., Ábrahám, P., Akimkin, V., Banzatti, A., Chen, L., Cruz-Sáenz de Miera, F., Dutrey, A., Flock, M., Guilloteau, S., Hales, A. S., Henning, Th., Kadam, K., Semenov, D., Sicilia-Aguilar, A., Teague, R., Vorobyov, E. I.: ALMA and VLA Observations of EX Lupi in its Quiescent State. *Astrophys. J.* 904 (2020), 37.
1156. Lawson, K., Currie, T., Wisniewski, J. P., Tamura, M., Schneider, G., Augereau, J.-C., Brandt, T. D., Guyon, O., Kasdin, N. J., Groff, T. D., Lozi, J., Chilcote, J., Hodapp, K., Jovanovic, N., Martinache, F., Skaf, N., Akiyama, E., Henning, Th., Knapp, G. R., Kwon, J., Mayama, S., McElwain, M. W., Sitko, M. L., Asensio-Torres, R., Uyama, T., Wagner, K.: SCExAO/CHARIS Near-IR Integral Field Spectroscopy of the HD 15115 Debris Disk. *Astron. J.* 160 (2020), 163.
1157. Jones, T. J., Kim, J.-A., Dowell, C. D., Morris, M. R., Pineda, J. L., Benford, D. J., Berthoud, M., Chuss, D. T., Dale, D. A., Fissel, L. M., Goldsmith, P. F.,

- Hamilton, R. T., Hanany, S., Harper, D. A., Henning, Th., Lazarian, A., Looney, L. W., Michail, J. M., Novak, G., Santos, F. P., Sheth, K., Siah, J., Stacey, G. J., Staguhn, J., Stephens, I. W., Tassis, K., Trinh, C. Q., Vaillancourt, J. E., Ward-Thompson, D., Werner, M., Wollack, E. J., Zweibel, E. G., HAWC+ Science Team: HAWC+ Far-Infrared Observations of the Magnetic Field Geometry in M51 and NGC 891. *Astron. J.* 160 (2020), 167.
1158. Jordán, A., Bakos, G.Á., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Csubry, Z., Espinoza, N., Hartman, J. D., Henning, Th., Mancini, L., Penev, K., Rabus, M., Sarkis, P., Suc, V., de Val-Borro, M., Zhou, G., Butler, R. P., Teske, J., Crane, J., Shectman, S., Tan, T. G., Thompson, I., Wallace, J. J., Lázár, J., Papp, I., Sári, P.: HATS-37Ab and HATS-38b: Two Transiting Hot Neptunes in the Desert. *Astron. J.* 160 (2020), 222.
1159. Brahm, R., Nielsen, L. D., Wittenmyer, R. A., Wang, S., Rodriguez, J. E., Espinoza, N., Jones, M. I., Jordán, A., Henning, Th., Hobson, M., Kossakowski, D., Rojas, F., Sarkis, P., Schlecker, M., Trifonov, T., Shahaf, S., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Addison, B. C., Bakos, G. íA., Bhatti, W., Bayliss, D., Berlind, P., Bieryla, A., Bouchy, F., Bowler, B. P., Briceño, C., Brown, T. M., Bryant, E. M., Caldwell, D. A., Charbonneau, D., Collins, K. A., Davis, A. B., Esquerdo, G. A., Fulton, B. J., Guerrero, N. M., Henze, C. F., Hogan, A., Horner, J., Huang, C. X., Irwin, J., Kane, S. R., Kielkopf, J., Mann, A. W., Mazeh, T., McCormac, J., McCully, C., Mengel, M. W., Mireles, I., Okumura, J., Plavchan, P., Quinn, S. N., Rabus, M., Saesen, S., Schlieder, J. E., Segransan, D., Shiao, B., Shporer, A., Siverd, R. J., Stassun, K. G., Suc, V., Tan, T.-G., Torres, P., Tinney, C. G., Udry, S., Vanzì, L., Vezie, M., Vines, J. I., Vuckovic, M., Wright, D. J., Yahalom, D. A., Zapata, A., Zhang, H., Ziegler, C.: TOI-481 b TOI-892 b: Two Long Period Hot Jupiters from the Transiting Exoplanet Survey Satellite. *Astron. J.* 160 (2020), 235.
1160. Bouma, L. G., Hartman, J. D., Brahm, R., Evans, P., Collins, K. A., Zhou, G., Sarkis, P., Quinn, S. N., de Leon, J., Livingston, J., Bergmann, C., Stassun, K. G., Bhatti, W., Winn, J. N., Bakos, G. Á., Abe, L., Crouzet, N., Dransfield, G., Guillot, T., Marie-Sainte, W., Mékarnia, D., Triaud, A. H. M. J., Tinney, C. G., Henning, Th., Espinoza, N., Jordán, A., Barbieri, M., Nandakumar, S., Trifonov, T., Vines, J. I., Vuckovic, M., Ziegler, C., Law, N., Mann, A. W., Ricker, G. R., Vanderspek, R., Seager, S., Jenkins, J. M., Burke, C. J., Dragomir, D., Levine, A. M., Quintana, E. V., Rodriguez, J. E., Smith, J. C., Wohler, B.: Cluster Difference Imaging Photometric Survey. II. TOI 837: A Young Validated Planet in IC 2602. *Astron. J.* 160 (2020), 239.
1161. Baroch, D., Morales, J. C., Ribas, I., Herrero, E., Rosich, A., Perger, M., Anglada-Escudé, G., Reiners, A., Caballero, J. A., Quirrenbach, A., Amado, P. J., Jeffers, S. V., Cifuentes, C., Passegger, V. M., Schweitzer, A., Lafarga, M., Bauer, F. F., Béjar, V. J. S., Colomé, J., Cortés-Contreras, M., Dreizler, S., Galadí-Enríquez, D., Hatzes, A. P., Henning, Th., Kaminski, A., Kürster, M., Montes, D., Rodríguez-

- López, C., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs: Convective Shift and Starspot Constraints from Chromatic Radial Velocities. *Astron. Astrophys.* 641 (2020), A69.
1162. Lazzoni, C., Zurlo, A., Desidera, S., Mesa, D., Fontanive, C., Bonavita, M., Ertel, S., Rice, K., Vigan, A., Boccaletti, A., Bonnefoy, M., Chauvin, G., Delorme, P., Gratton, R., Houllé, M., Maire, A. L., Meyer, M., Rickman, E., Spalding, E. A., Asensio-Torres, R., Langlois, M., Müller, A., Baudino, J.-L., Beuzit, J.-L., Biller, B., Brandner, W., Buenzli, E., Cantalloube, F., Cheetham, A., Cudel, M., Feldt, M., Galicher, R., Janson, M., Hagelberg, J., Henning, Th., Kasper, M., Keppler, M., Lagrange, A.-M., Lannier, J., LeCoroller, H., Mouillet, D., Peretti, S., Perrot, C., Salter, G., Samland, M., Schmidt, T., Sissa, E., Wildi, F.: The Search for Disks or Planetary Objects around Directly Imaged Companions: A Candidate around DH Tauri B. *Astron. Astrophys.* 641 (2020), A131.
1163. Nowak, M., Lacour, S., Lagrange, A.-M., Rubini, P., Wang, J., Stolker, T., Abuter, R., Amorim, A., Asensio-Torres, R., Bauböck, M., Benisty, M., Berger, J. P., Beust, H., Blunt, S., Boccaletti, A., Bonnefoy, M., Bonnet, H., Brandner, W., Cantalloube, F., Charnay, B., Choquet, E., Christiaens, V., Clénet, Y., Coudé Du Foresto, V., Cridland, A., de Zeeuw, P. T., Dembet, R., Dexter, J., Drescher, A., Duvert, G., Eckart, A., Eisenhauer, F., Gao, F., Garcia, P., Garcia Lopez, R., Gardner, T., Gendron, E., Genzel, R., Gillessen, S., Girard, J., Grandjean, A., Haubois, X., Heißel, G., Henning, Th., Hinkley, S., Hippler, S., Horrobin, M., Houllé, M., Hubert, Z., Jiménez-Rosales, A., Jocu, L., Kammerer, J., Kervella, P., Keppler, M., Kreidberg, L., Kulikauskas, M., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Mérand, A., Maire, A.-L., Mollière, P., Monnier, J. D., Mouillet, D., Müller, A., Nasedkin, E., Ott, T., Otten, G., Paumard, T., Paladini, C., Perraut, K., Perrin, G., Pueyo, L., Pfuhl, O., Rameau, J., Rodet, L., Rodríguez-Coira, G., Rousset, G., Scheithauer, S., Shanguan, J., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., van Dishoeck, E. F., Vigan, A., Vincent, F., von Fellenberg, S. D., Ward-Duong, K., Widmann, F., Wieprecht, E., Wierzorrek, E., Woillez, J., GRAVITY Collaboration: Direct confirmation of the Radial-Velocity Planet β Pictoris c. *Astron. Astrophys.* 642 (2020), L2.
1164. Lagrange, A. M., Rubini, P., Nowak, M., Lacour, S., Grandjean, A., Boccaletti, A., Langlois, M., Delorme, P., Gratton, R., Wang, J., Flasseur, O., Galicher, R., Kral, Q., Meunier, N., Beust, H., Babusiaux, C., Le Coroller, H., Thebault, P., Kervella, P., Zurlo, A., Maire, A.-L., Wahhaj, Z., Amorim, A., Asensio-Torres, R., Benisty, M., Berger, J. P., Bonnefoy, M., Brandner, W., Cantalloube, F., Charnay, B., Chauvin, G., Choquet, E., Clénet, Y., Christiaens, V., Coudé Du Foresto, V., de Zeeuw, P. T., Desidera, S., Duvert, G., Eckart, A., Eisenhauer, F., Galland, F., Gao, F., Garcia, P., Garcia Lopez, R., Gendron, E., Genzel, R., Gillessen, S., Girard, J., Hagelberg, J., Haubois, X., Henning, Th., Heißel, G., Hippler, S., Horrobin, M., Janson, M., Kammerer, J., Kenworthy, M., Keppler, M., Kreidberg, L., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Mérand, A., Messina, S., Mollière, P., Monnier, J. D., Ott, T., Otten, G., Paumard, T., Paladini, C., Perraut, K., Perrin, G., Pueyo, L.,

- Pfuhl, O., Rodet, L., Rodriguez-Coira, G., Rousset, G., Samland, M., Shangguan, J., Schmidt, T., Straub, O., Straubmeier, C., Stolker, T., Vigan, A., Vincent, F., Widmann, F., Woillez, J., GRAVITY Collaboration: Unveiling the β Pictoris System, Coupling High Contrast Imaging, Interferometric, and Radial Velocity Data. *Astron. Astrophys.* 642 (2020), A18.
1165. Passegger, V. M., Bello-García, A., Ordieres-Meré, J., Caballero, J. A., Schweitzer, A., González-Marcos, A., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Azzaro, M., Bauer, F. F., Béjar, V. J. S., Cortés-Contreras, M., Dreizler, S., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Marfil, E., Montes, D., Morales, J. C., Nagel, E., Sarro, L. M., Solano, E., Tabernero, H. M., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. A deep Learning Approach to Determine Fundamental Parameters of Target Stars. *Astron. Astrophys.* 642 (2020), A22.
1166. Syed, J., Wang, Y., Beuther, H., Soler, J. D., Rugel, M. R., Ott, J., Brunthaler, A., Kerp, J., Heyer, M., Klessen, R. S., Henning, Th., Glover, S. C. O., Goldsmith, P. F., Linz, H., Urquhart, J. S., Ragan, S. E., Johnston, K. G., Bigiel, F.: Atomic and Molecular Gas Properties during Cloud Formation. *Astron. Astrophys.* 642 (2020), A68.
1167. Yan, F., Espinoza, N., Molaverdikhani, K., Henning, Th., Mancini, L., Mallonn, M., Rackham, B. V., Apai, D., Jordán, A., Mollière, P., Chen, G., Carone, L., Reiners, A.: LBT Transmission Spectroscopy of HAT-P-12b. Confirmation of a Cloudy Atmosphere with no Significant Alkali Features. *Astron. Astrophys.* 642 (2020), A98.
1168. GRAVITY Collaboration, Bouarour, Y.-I., Perraut, K., Ménard, F., Brandner, W., Caratti o Garatti, A., Caselli, P., van Dishoeck, E., Dougados, C., Garcia-Lopez, R., Grellmann, R., Henning, Th., Klarmann, L., Labadie, L., Natta, A., Sanchez-Bermudez, J., Thi, W.-F., de Zeeuw, P. T., Amorim, A., Bauböck, M., Benisty, M., Berger, J.-P., Clenet, Y., Coudé Du Foresto, V., Duvert, G., Eckart, A., Eisenhauer, F., Eupen, F., Filho, M., Gao, F., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Jiménez-Rosales, A., Jocou, L., Hippler, S., Horrobin, M., Hubert, Z., Kervella, P., Lacour, S., Le Bouquin, J.-B., Léna, P., Ott, T., Paumard, T., Perrin, G., Pfuhl, O., Rousset, G., Scheithauer, S., Shangguan, J., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Vincent, F. H., von Fellenberg, S. D., Widmann, F., Wiest, M.: The Gravity Young Stellar Object Survey III. The Dusky Disk of Ry Lup. *Astron. Astrophys.* 642 (2020), A162.
1169. Soler, J. D., Beuther, H., Syed, J., Wang, Y., Anderson, L. D., Glover, S. C. O., Hennebelle, P., Heyer, M., Henning, Th., Izquierdo, A. F., Klessen, R. S., Linz, H., McClure-Griffiths, N. M., Ott, J., Ragan, S. E., Rugel, M., Schneider, N., Smith, R. J., Sormani, M. C., Stil, J. M., Treß, R., Urquhart, J. S.: The History of Dynamics and Stellar Feedback Revealed by the H I Filamentary Structure in the Disk of the Milky Way. *Astron. Astrophys.* 642 (2020), A163.

1170. Abia, C., Tabernero, H. M., Korotin, S. A., Montes, D., Marfil, E., Caballero, J. A., Straniero, O., Prantzos, N., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Béjar, V. J. S., Cortés-Contreras, M., Dreizler, S., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., López-Gallifa, Á., Morales, J. C., Nagel, E., Passegger, V. M., Pedraz, S., Rodríguez López, C., Schweitzer, A., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Rubidium Abundances in Nearby Cool Stars. *Astron. Astrophys.* 642 (2020), A227.
1171. Kemmer, J., Stock, S., Kossakowski, D., Kaminski, A., Molaverdikhani, K., Schlecker, M., Caballero, J. A., Amado, P. J., Astudillo-Defru, N., Bonfils, X., Ciardi, D., Collins, K. A., Espinoza, N., Fukui, A., Hirano, T., Jenkins, J. M., Latham, D. W., Matthews, E. C., Narita, N., Pallé, E., Parviainen, H., Quirrenbach, A., Reiners, A., Ribas, I., Ricker, G., Schlieder, J. E., Seager, S., Vanderspek, R., Winn, J. N., Almenara, J. M., Béjar, V. J. S., Bluhm, P., Bouchy, F., Boyd, P., Christiansen, J. L., Cifuentes, C., Cloutier, R., Collins, K. I., Cortés-Contreras, M., Crossfield, I. J. M., Crouzet, N., de Leon, J. P., Della-Rose, D. D., Delfosse, X., Dreizler, S., Esparza-Borges, E., Essack, Z., Forveille, T., Figueira, P., Galadí-Enríquez, D., Gan, T., Glidden, A., Gonzales, E. J., Guerra, P., Harakawa, H., Hatzes, A. P., Henning, Th., Herrero, E., Hodapp, K., Hori, Y., Howell, S. B., Ikoma, M., Isogai, K., Jeffers, S. V., Kürster, M., Kawauchi, K., Kimura, T., Klagyivik, P., Kotani, T., Kurokawa, T., Kusakabe, N., Kuzuhara, M., Lafarga, M., Livingston, J. H., Luque, R., Matson, R., Morales, J. C., Mori, M., Muirhead, P. S., Murgas, F., Nishikawa, J., Nishiumi, T., Omiya, M., Reffert, S., Rodríguez López, C., Santos, N. C., Schöfer, P., Schwarz, R. P., Shiao, B., Tamura, M., Terada, Y., Twicken, J. D., Ueda, A., Vievard, S., Watanabe, N., Zechmeister, M.: Discovery of a Hot, Transiting, Earth-Sized Planet and a Second Temperate, Non-Transiting Planet around the M4 Dwarf GJ 3473 (TOI-488). *Astron. Astrophys.* 642 (2020), A236.
1172. Sánchez-López, A., López-Puertas, M., Snellen, I. A. G., Nagel, E., Bauer, F. F., Pallé, E., Tal-Or, L., Amado, P. J., Caballero, J. A., Czesla, S., Nortmann, L., Reiners, A., Ribas, I., Quirrenbach, A., Aceituno, J., Béjar, V. J. S., Casasayas-Barris, N., Henning, Th., Molaverdikhani, K., Montes, D., Stangret, M., Zapatero Osorio, M. R., Zechmeister, M.: Discriminating between Hazy and Clear Hot-Jupiter Atmospheres with CARMENES. *Astron. Astrophys.* 643 (2020), A24.
1173. GRAVITY Collaboration: Jiménez-Rosales, A., Dexter, J., Widmann, F., Widmann, F., Bauböck, M., Abuter, R., Amorim, A., Berger, J. P., Bonnet, H., Brandner, W., Clénet, Y., de Zeeuw, P. T., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrière, V., Le Bouquin, J.-B., Léna, P., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rodríguez-Coira, G., Shangguan, J., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., Zins, G.: Dynamically Important Magnetic Fields near the Event Horizon of Sgr A*. *Astron. Astrophys.* 643 (2020), A56.

1174. Oshagh, M., Bauer, F. F., Lafarga, M., Molaverdikhani, K., Amado, P. J., Nortmann, L., Reiners, A., Guzmán-Mesa, A., Pallé, E., Nagel, E., Caballero, J. A., Casasayas-Barris, N., Claret, A., Czesla, S., Galadí, D., Henning, Th., Khalafinejad, S., López-Puertas, M., Montes, D., Quirrenbach, A., Ribas, I., Stangret, M., Yan, F., Zapatero Osorio, M. R., Zechmeister, M.: The Widest Broadband Transmission Spectrum (0.38-1.71 μm) of HD 189733b from Ground-Based Chromatic Rossiter-McLaughlin Observations. *Astron. Astrophys.* 643 (2020), A64.
1175. Stock, S., Nagel, E., Kemmer, J., Passegger, V. M., Reffert, S., Quirrenbach, A., Caballero, J. A., Czesla, S., Béjar, V. J. S., Cardona, C., Díez-Alonso, E., Herrero, E., Lalitha, S., Schlecker, M., Tal-Or, L., Rodríguez, E., Rodríguez-López, C., Ribas, I., Reiners, A., Amado, P. J., Bauer, F. F., Bluhm, P., Cortés-Contreras, M., González-Cuesta, L., Dreizler, S., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., López-González, M. J., Montes, D., Morales, J. C., Pedraz, S., Schöfer, P., Schweitzer, A., Trifonov, T., Zapatero Osorio, M. R., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Three Temperate-To-Warm Super-Earths. *Astron. Astrophys.* 643 (2020), A112.
1176. Smirnov-Pinchukov, G. V., Semenov, D. A., Akimkin, V. V., Henning, Th.: Using HCO⁺ Isotopologues as Tracers of Gas Depletion in Protoplanetary Disk Gases. *Astron. Astrophys.* 644 (2020), A4.
1177. Kasper, M., Santhakumari, K. K. R., Herbst, T. M., van Boekel, R., Menard, F., Gratton, R., van Holstein, R. G., Langlois, M., Ginski, C., Boccaletti, A., Benisty, M., de Boer, J., Delorme, P., Desidera, S., Dominik, C., Hagelberg, J., Henning, Th., Heidt, J., Köhler, R., Mesa, D., Messina, S., Pavlov, A., Petit, C., Rickman, E., Roux, A., Rigal, F., Vigan, A., Wahhaj, Z., Zurlo, A.: A Triple Star in Disarray. Multi-Epoch Observations of T Tauri with VLT-SPHERE and LBT-LUCI. *Astron. Astrophys.* 644 (2020), A114.
1178. Henshaw, J. D., Kruijssen, J. M. D., Longmore, S. N., Riener, M., Leroy, A. K., Rosolowsky, E., Ginsburg, A., Battersby, C., Chevance, M., Meidt, S. E., Glover, S. C. O., Hughes, A., Kainulainen, J., Klessen, R. S., Schinnerer, E., Schrubba, A., Beuther, H., Bigiel, F., Blanc, G. A., Emsellem, E., Henning, Th., Herrera, C. N., Koch, E. W., Pety, J., Ragan, S. E., Sun, J.: Ubiquitous Velocity Fluctuations throughout the Molecular Interstellar Medium. *Nature Astron.* 4 (2020), 1064-1071.
1179. Beuther, H., Soler, J. D., Linz, H., Henning, Th., Gieser, C., Kuiper, R., Vlemmings, W., Hennebelle, P., Feng, S., Smith, R., Ahmadi, A.: Gravity and Rotation Drag the Magnetic Field in High-mass Star Formation. *Astrophys. J.* 904 (2020), 168.
1180. Fischer, W. J., Megeath, S. T., Furlan, E., Stutz, A. M., Stanke, T., Tobin, J. J., Osorio, M., Manoj, P., Di Francesco, J., Allen, L. E., Watson, D. M., Wilson, T. L., Henning, Th.: The Herschel Orion Protostar Survey: Far-Infrared Photometry and Colors of Protostars and Their Variations across Orion A and B. *Astrophys. J.* 905 (2020), 119.

1181. Jordán, A., Bakos, G. Á., Bayliss, D., Bento, J., Bhatti, W., Brahm, R., Csubry, Z., Espinoza, N., Hartman, J. D., Henning, Th., Mancini, L., Penev, K., Rabus, M., Sarkis, P., Suc, V., de Val-Borro, M., Zhou, G., Butler, R. P., Teske, J., Crane, J., Shectman, S., Tan, T. G., Thompson, I., Wallace, J. J., Lázár, J., Papp, I., Sári, P.: HATS-37Ab and HATS-38b: Two Transiting Hot Neptunes in the Desert. *Astron. J.* 160 (2020), 222.
1182. Schlecker, M., Kossakowski, D., Brahm, R., Espinoza, N., Henning, Th., Carone, L., Molaverdikhani, K., Trifonov, T., Mollière, P., Hobson, M. J., Jordán, A., Rojas, F. I., Klahr, H., Sarkis, P., Bakos, G. Á., Bhatti, W., Osip, D., Suc, V., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Vezie, M., Villaseñor, J. N., Rose, M. E., Rodriguez, D. R., Rodriguez, J. E., Quinn, S. N., Shporer, A.: A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. *Astron. J.* 160 (2020), 275.
1183. Garcia Lopez, R., Natta, A., Caratti o Garatti, A., Ray, T. P., Fedriani, R., Koutoulaki, M., Klarmann, L., Perraut, K., Sanchez-Bermudez, J., Benisty, M., Dougados, C., Labadie, L., Brandner, W., Garcia, P. J. V., Henning, Th., Caselli, P., Duvert, G., de Zeeuw, T., Grellmann, R., Abuter, R., Amorim, A., Bauboeck, M., Berger, J. P., Bonnet, H., Buron, A., Clénet, Y., Coudé du Foresto, V., de Wit, W., Eckart, A., Eisenhauer, F., Filho, M., Gao, F., Garcia Dabo, C. E., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Haussmann, F., Hippler, S., Hubert, Z., Horrobin, M., Jimenez Rosales, A., Jocou, L., Kervella, P., Kolb, J., Lacour, S., Le Bouquin, J. B., Léna, P., Ott, T., Paumard, T., Perrin, G., Pfuhl, O., Ramirez, A., Rau, C., Rousset, G., Scheithauer, S., Shangguan, J., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., van Dishoeck, E., Vincent, F., von Fellenberg, S., Widmann, F., Wiegrecht, E., Wiest, M., Wierzorrek, E., Woillez, J., Yazici, S., Zins, G.: A Measure of the Size of the Magnetospheric Accretion Region in TW Hydrae. *Nature* 584 (2020) 547-550.
1184. Sha, L., Huang, C. X., Shporer, A., Rodriguez, J. E., Vanderburg, A., Brahm, R., Hagelberg, J., Matthews, E. C., Ziegler, C., Livingston, J. H., Stassun, K. G., Wright, D. J., Crane, J. D., Espinoza, N., Bouchy, F., Bakos, G. Á., Collins, K. A., Zhou, G., Bieryla, A., Hartman, J. D., Wittenmyer, R. A., Nielsen, L. D., Plavchan, P., Bayliss, D., Sarkis, P., Tan, T.-G., Cloutier, R., Mancini, L., Jordán, A., Wang, S., Henning, Th., Narita, N., Penev, K., Teske, J. K., Kane, S. R., Mann, A. W., Addison, B. C., Tamura, M., Horner, J., Barbieri, M., Burt, J. A., Díaz, M. R., Crossfield, I. J. M., Dragomir, D., Drass, H., Feinstein, A. D., Zhang, H., Hart, R., Kielkopf, J. F., Jensen, E. L. N., Montet, B. T., Ottoni, G., Schwarz, R. P., Rojas, F., Nespral, D., Torres, P., Mengel, M. W., Udry, S., Zapata, A., Snoddy, E., Okumura, J., Ricker, G. R., Vanderspek, R. K., Latham, D. W., Winn, J. N., Seager, S., Jenkins, J. M., Colón, K. D., Henze, C. E., Krishnamurthy, A., Ting, E. B., Vezie, M., Villanueva, S.: TOI-954 b and K2-329 b: Short-Period Saturn-Mass Planets that Test whether Irradiation Leads to Inflation. *Astron. J.* 161 (2021), 82.
1185. Wang, J. J., Vigan, A., Lacour, S., Nowak, M., Stolker, T., De Rosa, R. J., Ginzburg, S., Gao, P., Abuter, R., Amorim, A., Asensio-Torres, R., Bauböck, M., Benisty,

M., Berger, J. P., Beust, H., Beuzit, J.-L., Blunt, S., Boccaletti, A., Bohn, A., Bonnefoy, M., Bonnet, H., Brandner, W., Cantalloube, F., Caselli, P., Charnay, B., Chauvin, G., Choquet, E., Christiaens, V., Clénet, Y., Coudé Du Foresto, V., Cridland, A., de Zeeuw, P. T., Dembet, R., Dexter, J., Drescher, A., Duvert, G., Eckart, A., Eisenhauer, F., Facchini, S., Gao, F., Garcia, P., Garcia Lopez, R., Gardner, T., Gendron, E., Genzel, R., Gillessen, S., Girard, J., Haubois, X., Heißel, G., Henning, Th., Hinkley, S., Hippler, S., Horrobin, M., Houllé, M., Hubert, Z., Jiménez-Rosales, A., Jocou, L., Kammerer, J., Keppler, M., Kervella, P., Meyer, M., Kreidberg, L., Lagrange, A.-M., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Maire, A.-L., Ménard, F., Mérand, A., Mollière, P., Monnier, J. D., Mouillet, D., Müller, A., Nasedkin, E., Ott, T., Otten, G. P. P. L., Paladini, C., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Pueyo, L., Rameau, J., Rodet, L., Rodríguez-Coira, G., Rousset, G., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., van Dishoeck, E. F., Vincent, F., von Fellenberg, S. D., Ward-Duong, K., Widmann, F., Wieprecht, E., Wierzorrek, E., Woillez, J., GRAVITY Collaboration: Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY. *Astron. J.* 161 (2021), 148.

1186. Dawson, R. I., Huang, C. X., Brahm, R., Collins, K. A., Hobson, M. J., Jordán, A., Dong, J., Korth, J., Trifonov, T., Abe, L., Agabi, A., Bruni, I., Butler, R. P., Barbieri, M., Collins, K. I., Conti, D. M., Crane, J. D., Crouzet, N., Dransfield, G., Evans, P., Espinoza, N., Gan, T., Guillot, T., Henning, Th., Lissauer, J. J., Jensen, E. L. N., Sainte, W. M., Mékarnia, D., Myers, G., Nandakumar, S., Relles, H. M., Sarkis, P., Torres, P., Shectman, S., Schmider, F.-X., Shporer, A., Stockdale, C., Teske, J., Triaud, A. H. M. J., Wang, S. X., Ziegler, C., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J., Jenkins, J. M., Bouma, L. G., Burt, J. A., Charbonneau, D., Levine, A. M., McDermott, S., McLean, B., Rose, M. E., Vanderburg, A., Wohler, B.: Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b. *Astron. J.* 161 (2021), 161.
1187. Rodriguez, J. E., Quinn, S. N., Zhou, G., Vanderburg, A., Nielsen, L. D., Wittenmyer, R. A., Brahm, R., Reed, P. A., Huang, C. X., Vach, S., Ciardi, D. R., Oelkers, R. J., Stassun, K. G., Hellier, C., Gaudi, B. S., Eastman, J. D., Collins, K. A., Bieryla, A., Christian, S., Latham, D. W., Carleo, I., Wright, D. J., Matthews, E., Gonzales, E. J., Ziegler, C., Dressing, C. D., Howell, S., Tan, T.-G., Wittrock, J., Plavchan, P., McLeod, K. K., Baker, D., Wang, G., Radford, D. J., Schwarz, R. P., Esposito, M., Ricker, G. R., Vanderspek, R. K., Seager, S., Winn, J. N., Jenkins, J. M., Addison, B., Anderson, D. R., Barclay, T., Beatty, T. G., Berlind, P., Bouchy, F., Bowen, M., Bowler, B. P., Brasseur, C. E., Briceño, C., Caldwell, D. A., Calkins, M. L., Cartwright, S., Chaturvedi, P., Chaverot, G., Chimaladinne, S., Christiansen, J. L., Collins, K. I., Crossfield, I. J. M., Eastridge, K., Espinoza, N., Esquerdo, G. A., Feliz, D. L., Fenske, T., Fong, W., Gan, T., Giacalone, S., Gill, H., Gordon, L., Granados, A., Grieves, N., Guenther, E. W., Guerrero, N., Henning, Th., Henze, C. E., Hesse, K., Hobson, M. J., Horner, J., James, D. J., Jensen, E. L. N., Jimenez, M., Jordán, A., Kane, S. R., Kielkopf, J., Kim, K., Kuhn, R. B., Latouf, N., Law,

- N. M., Levine, A. M., Lund, M. B., Mann, A. W., Mao, S., Matson, R. A., Mengel, M. W., Mink, J., Newman, P., O'Dwyer, T., Okumura, J., Pallé, E., Pepper, J., Quintana, E. V., Sarkis, P., Savel, A. B., Schlieder, J. E., Schnaible, C., Shporer, A., Sefako, R., Seidel, J. V., Siverd, R. J., Skinner, B., Stalport, M., Stevens, D. J., Stibbards, C., Tinney, C. G., West, R. G., Yahalom, D., Zhang, H.: TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. *Astron. J.* 161 (2021), 194.
1188. Hobson, M. J., Brahm, R., Jordán, A., Espinoza, N., Kossakowski, D., Henning, Th., Rojas, F., Schlecker, M., Sarkis, P., Trifonov, T., Thorngren, D., Binnenfeld, A., Shahaf, S., Zucker, S., Ricker, G. R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Addison, B., Bouchy, F., Bowler, B. P., Briegal, J. T., Bryant, E. M., Collins, K. A., Daylan, T., Grieves, N., Horner, J., Huang, C., Kane, S. R., Kielkopf, J., McLean, B., Mengel, M. W., Nielsen, L. D., Okumura, J., Jones, M., Plavchan, P., Shporer, A., Smith, A. M. S., Tilbrook, R., Tinney, C. G., Twicken, J. D., Udry, S., Unger, N., West, R., Wittenmyer, R. A., Wohler, B., Torres, P., Wright, D. J.: A Transiting Warm Giant Planet around the Young Active Star TOI-201. *Astron. J.* 161 (2021), 235.
1189. Lin, C.-L., Chen, W.-P., Ip, W.-H., Apai, D., Bixel, A., Boyle, R., Chavez, J. P., Espinoza, N., Gibbs, A., Gabor, P., Henning, Th., Mancini, L., Rackham, B. V., Schlecker, M., Dietrich, J., Socia, Q. J., Keppler, M., Bhandare, A., Häberle, M.: EDEN: Flare Activity of the Nearby Exoplanet-hosting M-Dwarf Wolf 359 Based on K2 and EDEN Light Curves. *Astron. J.* 162 (2021), 11.
1190. Trifonov, T., Brahm, R., Espinoza, N., Henning, Th., Jordán, A., Nesvorný, D., Dawson, Rebekah I., Lissauer, J. J., Lee, M. H., Kossakowski, D., Rojas, F. I., Hobson, M. J., Sarkis, P., Schlecker, M., Bitsch, B., Bakos, G. Á., Barbieri, M., Bhatti, W., Butler, R. P., Crane, J. D., Nandakumar, S., Díaz, M. R., Shectman, S., Teske, J., Torres, P., Suc, V., Vines, J. I., Wang, S. X., Ricker, G. R., Shporer, A., Vanderburg, A., Dragomir, D., Vanderspek, R., Burke, C. J., Daylan, T., Shiao, B., Jenkins, J. M., Wohler, B., Seager, S., Winn, J. N.: A Pair of Warm Giant Planets near the 2:1 Mean Motion Resonance around the K-Dwarf Star TOI-2202. *Astron. J.* 162 (2021), 283.
1191. Lawson, K., Currie, T., Wisniewski, J. P., Tamura, M., Augereau, J.-C., Brandt, T. D., Guyon, O., Kasdin, N. J., Groff, T. D., Lozi, J., Deo, V., Vievard, S., Chilcote, J., Jovanovic, N., Martinache, F., Skaf, N., Henning, Th., Knapp, G., Kwon, J., McElwain, M. W., Pyo, T.-S., Sitko, M. L., Uyama, T., Wagner, K.: Multiband Imaging of the HD 36546 Debris Disk: A Refined View from SCExAO/CHARIS. *Astron. J.* 162 (2021), 293.
1192. Potapov, A., Bouwman, J., Jäger, C., Henning, Th.: Dust/Ice Mixing in Cold Regions and Solid-state Water in the Diffuse Interstellar Medium. *Nature Astron.* 5 (2021), 78-85.
1193. Pokhrel, R., Gutermuth, R. A., Krumholz, M. R., Federrath, C., Heyer, M., Khullar, S., Megeath, S. T., Myers, P. C., Offner, S. S. R., Pipher, J. L., Fischer, W. J.,

- Henning, Th., Hora, J. L.: The Single-cloud Star Formation Relation. *Astrophys. J. Letters*. 912 (2021), L19.
1194. He, J., Toriello, F. E., Emtiaz, S. M., Henning, Th., Vidalí, G.: Phase Transition of Interstellar CO Ice. *Astrophys. J. Letters*. 915 (2021), L23.
1195. Benisty, M., Bae, J., Facchini, S., Keppler, M., Teague, R., Isella, A., Kurtovic, N. T., Pérez, L. M., Sierra, A., Andrews, S. M., Carpenter, J., Czekala, I., Dominik, C., Henning, Th., Menard, F., Pinilla, P., Zurlo, A.: A Circumplanetary Disk around PDS70c. *Astrophys. J. Letters*. 916 (2021), L2.
1196. Ramírez-Tannus, M. C., Backs, F., de Koter, A., Sana, H., Beuther, H., Bik, A., Brandner, W., Kaper, L., Linz, H., Henning, Th., Poorta, J.: A Relation between the Radial Velocity Dispersion of Young Clusters and their Age. Evidence for Hardening as the Formation Scenario of Massive Close Binaries. *Astron. Astrophys.* 645 (2021), L10.
1197. Zhang, C.-P., Launhardt, R., Liu, Y., Tobin, J. J., Henning, Th.: Pebbles in an Embedded Protostellar Disk: The Case of CB 26. *Astron. Astrophys.* 645 (2021), A18.
1198. Yan, F., Wyttenbach, A., Casasayas-Barris, N., Reiners, A., Pallé, E., Henning, Th., Mollière, P., Czesla, S., Nortmann, L., Molaverdikhani, K., Chen, G., Snellen, I. A. G., Zechmeister, M., Huang, C., Ribas, I., Quirrenbach, A., Caballero, J. A., Amado, P. J., Cont, D., Khalafinejad, S., Khaimova, J., López-Puertas, M., Montes, D., Nagel, E., Oshagh, M., Pedraz, S., Stangret, M.: Detection of the Hydrogen Balmer Lines in the Ultra-Hot Jupiter WASP-33b. *Astron. Astrophys.* 645 (2021), A22.
1199. Samland, M., Bouwman, J., Hogg, D. W., Brandner, W., Henning, Th., Janson, M.: TRAP: A Temporal Systematics Model for Improved Direct Detection of Exoplanets at Small Angular Separations. *Astron. Astrophys.* 645 (2021), A24.
1200. GRAVITY Collaboration, Koutoulaki, M., Garcia Lopez, R., Natta, A., Fedriani, R., Caratti o Garatti, A., Ray, T. P., Coffey, D., Brandner, W., Dougados, C., Garcia, P. J. V., Klarmann, L., Labadie, L., Perraut, K., Sanchez-Bermudez, J., Lin, C.-C., Amorim, A., Bauböck, M., Benisty, M., Berger, J. P., Buron, A., Caselli, P., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P. T., Duvert, G., de Wit, W., Eckart, A., Eisenhauer, F., Filho, M., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Grellmann, R., Habibi, M., Haubois, X., Haussmann, F., Henning, Th., Hippler, S., Hubert, Z., Horrobin, M., Jimenez Rosales, A., Jocou, L., Kervella, P., Kolb, J., Lacour, S., Le Bouquin, J.-B., Léna, P., Linz, H., Ott, T., Paumard, T., Perrin, G., Pfuhl, O., Ramírez-Tannus, M. C., Rau, C., Rousset, G., Scheithauer, S., Shangguan, J., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., van Dishoeck, E., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Yazici, S., Zins, G.: The GRAVITY Young Stellar Object Survey. IV. The CO Overtone Emission in 51 Oph at Sub-Au Scales. *Astron. Astrophys.* 645 (2021), A50.

1201. Sarkis, P., Mordasini, C., Henning, Th., Marleau, G., Mollière, P.: Evidence of Three Mechanisms Explaining the Radius Anomaly of Hot Jupiters. *Astron. Astrophys.* 645 (2021), A79.
1202. Musso Barucci, A., Launhardt, R., Müller, A., Kennedy, G. M., van Boekel, R., Henning, Th., Ruh, H. L., Marino, S., Pearce, T. D., Brems, S. S., Ertel, S., Spalding, E. A.: L^IStEN: L^Iband Imaging Survey for Exoplanets in the North. *Astron. Astrophys.* 645 (2021), A88.
1203. GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Rodríguez-Coira, G., Shangguan, J., Shimizu, T., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wierzorrek, E., Woillez, J., Yazici, S., Zins, G.: Detection of Faint Stars Near Sagittarius A* with GRAVITY. *Astron. Astrophys.* 645 (2021), A127.
1204. Janson, M., Squicciarini, V., Delorme, P., Gratton, R., Bonnefoy, M., Reffert, S., Mamajek, E. E., Eriksson, S. C., Vigan, A., Langlois, M., Engler, N., Chauvin, G., Desidera, S., Mayer, L., Marleau, G.-D., Bohn, A. J., Samland, M., Meyer, M., D’Orazi, V., Henning, Th., Quanz, S., Kenworthy, M., Carson, J. C.: BEAST Begins: Sample Characteristics and Survey Performance of the B-Star Exoplanet Abundance Study. *Astron. Astrophys.* 646 (2021), A164.
1205. Carone, L., Mollière, P., Zhou, Y., Bouwman, J., Yan, F., Baeyens, R., Apai, D., Espinoza, N., Rackham, B. V., Jordán, A., Angerhausen, D., Decin, L., Lendl, M., Venot, O., Henning, Th.: Indications for very High Metallicity and Absence of Methane for the Eccentric Exo-Saturn WASP-117b. *Astron. Astrophys.* 646 (2021), A168.
1206. Varga, J., Hogerheijde, M., van Boekel, R., Klarmann, L., Petrov, R., Waters, L. B. F. M., Lagarde, S., Pantin, E., Berio, P., Weigelt, G., Robbe-Dubois, S., Lopez, B., Millour, F., Augereau, J.-C., Meheut, H., Meilland, A., Henning, Th., Jaffe, W., Bettonvil, F., Bristow, P., Hofmann, K.-H., Matter, A., Zins, G., Wolf, S., Allouche, F., Donnan, F., Schertl, D., Dominik, C., Heininger, M., Lehmitz, M., Cruzalèbes, P., Glindemann, A., Meisenheimer, K., Paladini, C., Schöller, M., Woillez, J., Venema, L., Kokoulina, E., Yoffe, G., Ábrahám, P., Abadie, S., Abuter, R., Accardo, M., Adler, T., Agócs, T., Antonelli, P., Böhm, A., Bailet, C., Bazin, G., Beckmann, U., Beltran, J., Boland, W., Bourget, P., Brast, R., Bresson, Y., Burtscher, L., Castillo, R., Chelli, A., Cid, C., Clausse, J.-M., Connot, C., Conzelmann, R. D., Danchi, W.-C., De Haan, M., Delbo, M., Ebert, M., Elswijk, E., Fantei, Y., Frahm, R., Gámez Rosas, V., Gabasch, A., Gallenne, A., Garces, E., Girard, P., Gonté, F. Y. J.,

- González Herrera, J. C., Graser, U., Guajardo, P., Guitton, F., Haubois, X., Hron, J., Hubin, N., Huerta, R., Isbell, J. W., Ives, D., Jakob, G., Jaskó, A., Jochum, L., Klein, R., Kragt, J., Kroes, G., Kuindersma, S., Labadie, L., Laun, W., Le Poole, R., Leinert, C., Lizon, J.-L., Lopez, M., Mérand, A., Marcotto, A., Mauclet, N., Maurer, T., Mehrgan, L. H., Meisner, J., Meixner, K., Mellein, M., Mohr, L., Morel, S., Mosoni, L., Navarro, R., Neumann, U., Nussbaum, E., Pallanca, L., Pasquini, L., Percheron, I., Pott, J.-U., Pozna, E., Ridinger, A., Rigal, F., Riquelme, M., Rivinius, T., Roelfsema, R., Rohloff, R.-R., Rousseau, S., Schuhler, N., Schuil, M., Soulain, A., Stee, P., Stephan, C., ter Horst, R., Tromp, N., Vakili, F., van Duin, A., Vinther, J., Wittkowski, M., Wrhel, F.: The Asymmetric Inner Disk of the Herbig Ae Star HD 163296 in the Eyes of VLTI/MATISSE: Evidence for a Vortex? *Astron. Astrophys.* 647 (2021), A56.
1207. GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Dallilar, Y., Drescher, A., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Rodríguez-Coira, G., Shangguan, J., Shimizu, T., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wierzorrek, E., Woillez, J., Yazici, S., Young, A., Zins, G.: Improved GRAVITY Astrometric Accuracy from Modeling Optical Aberrations. *Astron. Astrophys.* 647 (2021), A59.
1208. Moscadelli, L., Beuther, H., Ahmadi, A., Gieser, C., Massi, F., Cesaroni, R., Sánchez-Monge, Á., Bacciotti, F., Beltrán, M. T., Csengeri, T., Galván-Madrid, R., Henning, Th., Klaassen, P. D., Kuiper, R., Leurini, S., Longmore, S. N., Maud, L. T., Möller, T., Palau, A., Peters, T., Pudritz, R. E., Sanna, A., Semenov, D., Urquhart, J. S., Winters, J. M., Zinnecker, H.: Multi-Scale View of Star Formation in IRAS 21078+5211: From Clump Fragmentation to Disk Wind. *Astron. Astrophys.* 647 (2021), A114.
1209. Lampón, M., López-Puertas, M., Sanz-Forcada, J., Sánchez-López, A., Molaverdikhani, K., Czesla, S., Quirrenbach, A., Pallé, E., Caballero, J. A., Henning, Th., Salz, M., Nortmann, L., Aceituno, J., Amado, P. J., Bauer, F. F., Montes, D., Nagel, E., Reiners, A., Ribas, I.: Modelling the He I Triplet Absorption at 10 830 Å in the Atmospheres of HD 189733 b and GJ 3470 b. *Astron. Astrophys.* 647 (2021), A129.
1210. GRAVITY Collaboration, Eupen, F., Labadie, L., Grellmann, R., Perraut, K., Brandner, W., Duchêne, G., Köhler, R., Sanchez-Bermudez, J., Garcia Lopez, R., Caratti o Garatti, A., Benisty, M., Dougados, C., Garcia, P., Klarmann, L., Amorim, A., Bauböck, M., Berger, J. P., Caselli, P., Clénet, Y., Coudá Du Foresto, V., de Zeeuw, P. T., Drescher, A., Duvert, G., Eckart, A., Eisenhauer, F., Filho, M., Ganci, V., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Heissel, G., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Jiménez-Rosales, A., Jocou, L., Kervella, P.,

- Lacour, S., Lapeyrère, V., Le Bouquin, J. B., Léna, P., Ott, T., Paumard, T., Perrin, G., Pfuhl, O., Rodríguez-Coira, G., Rousset, G., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., van Dishoeck, E., Vincent, F., von Fellenberg, S. D., Widmann, F., Woillez, J., Wojtczak, A.: The GRAVITY Young Stellar Object Survey. V. The Orbit of the T Tauri Binary Star WW Cha. *Astron. Astrophys.* 648 (2021), A37.
1211. Gieser, C., Beuther, H., Semenov, D., Ahmadi, A., Suri, S., Möller, T., Beltrán, M. T., Klaassen, P., Zhang, Q., Urquhart, J. S., Henning, Th., Feng, S., Galván-Madrid, R., de Souza Magalhães, V., Moscadelli, L., Longmore, S., Leurini, S., Kuiper, R., Peters, T., Menten, K. M., Csengeri, T., Fuller, G., Wyrowski, F., Lumsden, S., Sánchez-Monge, Á., Maud, L., Linz, H., Palau, A., Schilke, P., Pety, J., Pudritz, R., Winters, J. M., Piétu, V.: Physical and Chemical Structure of High-mass Star-forming Regions. Unraveling Chemical Complexity with CORE: The NOEMA Large Program. *Astron. Astrophys.* 648 (2021), A66.
1212. Hunziker, S., Schmid, H. M., Ma, J., Menard, F., Avenhaus, H., Boccaletti, A., Beuzit, J. L., Chauvin, G., Dohlen, K., Dominik, C., Engler, N., Ginski, C., Gratton, R., Henning, Th., Langlois, M., Milli, J., Mouillet, D., Tschudi, C., van Holstein, R. G., Vigan, A.: HD 142527: Quantitative Disk Polarimetry with SPHERE. *Astron. Astrophys.* 648 (2021), A110.
1213. Lampón, M., López-Puertas, M., Czesla, S., Sánchez-López, A., Lara, L. M., Salz, M., Sanz-Forcada, J., Molaverdikhani, K., Quirrenbach, A., Pallé, E., Caballero, J. A., Henning, Th., Nortmann, L., Amado, P. J., Montes, D., Reiniers, A., Ribas, I.: Evidence of Energy-, Recombination-, and Photon-Limited Escape Regimes in Giant Planet H/He Atmospheres. *Astron. Astrophys.* 648 (2021), L7.
1214. Perger, M., Ribas, I., Anglada-Escudé, G., Morales, J. C., Amado, P. J., Caballero, J. A., Quirrenbach, A., Reiniers, A., Béjar, V. J. S., Dreizler, S., Galadí-Enríquez, D., Hates, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Montes, D., Pallé, E., Rodríguez-López, C., Schweitzer, A., Zapatero Osorio, M. R., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. No Evidence for a Super-Earth in a 2-Day Orbit around GJ 1151. *Astron. Astrophys.* 649 (2021), L12.
1215. Sanchis, E., Testi, L., Natta, A., Facchini, S., Manara, C. F., Miotello, A., Ercolano, B., Henning, Th., Preibisch, T., Carpenter, J. M., de Gregorio-Monsalvo, I., Jayawardhana, R., Lopez, C., Mužić, K., Pascucci, I., Santamaría-Miranda, A., van Terwisga, S., Williams, J. P.: Measuring the Ratio of the Gas and Dust Emission Radii of Protoplanetary Disks in the Lupus Star-forming Region. *Astron. Astrophys.* 649 (2021), A19.
1216. Beuther, H., Gieser, C., Suri, S., Linz, H., Klaassen, P., Semenov, D., Winters, J. M., Henning, Th., Soler, J. D., Urquhart, J. S., Syed, J., Feng, S., Möller, T., Beltrán, M. T., Sánchez-Monge, Á., Longmore, S. N., Peters, T., Ballesteros-Paredes, J., Schilke, P., Moscadelli, L., Palau, A., Cesaroni, R., Lumsden, S., Pudritz, R.,

- Wyrowski, F., Kuiper, R., Ahmadi, A.: Fragmentation and Kinematics in High-mass Star Formation. CORE-Extension Targeting two Very Young High-mass Star-forming Regions. *Astron. Astrophys.* 649 (2021), A113.
1217. Bluhm, P., Pallé, E., Molaverdikhani, K., Kemmer, J., Hatzes, A. P., Kossakowski, D., Stock, S., Caballero, J. A., Lillo-Box, J., Béjar, V. J. S., Soto, M. G., Amado, P. J., Brown, P., Cadieux, C., Cloutier, R., Collins, K. A., Collins, K. I., Cortés-Contreras, M., Doyon, R., Dreizler, S., Espinoza, N., Fukui, A., González-Álvarez, E., Henning, Th., Horne, K., Jeffers, S. V., Jenkins, J. M., Jensen, E. L. N., Kaminski, A., Kielkopf, J. F., Kusakabe, N., Kürster, M., Lafrenière, D., Luque, R., Murgas, F., Montes, D., Morales, J. C., Narita, N., Passegger, V. M., Quirrenbach, A., Schöfer, P., Reffert, S., Reiners, A., Ribas, I., Ricker, G. R., Seager, S., Schweitzer, A., Schwarz, R. P., Tamura, M., Trifonov, T., Vanderspek, R., Winn, J., Zechmeister, M., Zapatero Osorio, M. R.: An Ultra-Short-Period Transiting Super-Earth Orbiting the M3 Dwarf TOI-1685. *Astron. Astrophys.* 650 (2021), A78.
1218. Vigan, A., Fontanive, C., Meyer, M., Biller, B., Bonavita, M., Feldt, M., Desidera, S., Marleau, G.-D., Emsenhuber, A., Galicher, R., Rice, K., Forgan, D., Mordasini, C., Gratton, R., Le Coroller, H., Maire, A.-L., Cantalloube, F., Chauvin, G., Cheetham, A., Hagelberg, J., Lagrange, A.-M., Langlois, M., Bonnefoy, M., Beuzit, J.-L., Boccaletti, A., D’Orazi, V., Delorme, P., Dominik, C., Henning, Th., Janson, M., Lagarde, E., Lazzoni, C., Ligi, R., Menard, F., Mesa, D., Messina, S., Moutou, C., Müller, A., Perrot, C., Samland, M., Schmid, H. M., Schmidt, T., Sissa, E., Turatto, M., Udry, S., Zurlo, A., Abe, L., Antichi, J., Asensio-Torres, R., Baruffolo, A., Baudoz, P., Baudrand, J., Bazzon, A., Blanchard, P., Bohn, A. J., Brown Sevilla, S., Carbillet, M., Carle, M., Cascone, E., Charton, J., Claudi, R., Costille, A., De Caprio, V., Delboulbé, A., Dohlen, K., Engler, N., Fantinel, D., Feautrier, P., Fusco, T., Gigan, P., Girard, J. H., Giro, E., Gisler, D., Gluck, L., Gry, C., Hubin, N., Hugot, E., Jaquet, M., Kasper, M., Le Mignant, D., Llored, M., Madec, F., Magnard, Y., Martinez, P., Maurel, D., Möller-Nilsson, O., Mouillet, D., Moulin, T., Origné, A., Pavlov, A., Perret, D., Petit, C., Pragt, J., Puget, P., Rabou, P., Ramos, J., Rickman, E. L., Rigal, F., Rochat, S., Roelfsema, R., Rousset, G., Roux, A., Salasnich, B., Sauvage, J.-F., Sevin, A., Soenke, C., Stadler, E., Suarez, M., Wahhaj, Z., Weber, L., Wildi, F.: The SPHERE Infrared Survey for Exoplanets (SHINE). III. The Demographics of Young Giant Exoplanets below 300 au with SPHERE. *Astron. Astrophys.* 651 (2021), A72.
1219. Chuang, K.-J., Fedoseev, G., Scirè, C., Baratta, G. A., Jäger, C., Henning, Th., Linnartz, H., Palumbo, M. E.: Formation of Complex Organic Molecules in Molecular Clouds: Acetaldehyde, Vinyl Alcohol, Ketene, and Ethanol via the "Energetic" Processing of C₂H₂ Ice. *Astron. Astrophys.* 650 (2021), A85.
1220. Amado, P. J., Bauer, F. F., Rodríguez López, C., Rodríguez, E., Cardona Guillén, C., Perger, M., Caballero, J. A., López-González, M. J., Muñoz Rodríguez, I., Pozuelos, F. J., Sánchez-Rivero, A., Schlecker, M., Quirrenbach, A., Ribas, I., Reiners, A., Almenara, J., Astudillo-Defru, N., Azzaro, M., Béjar, V. J. S., Bohemann, R., Bonfils, X., Bouchy, F., Cifuentes, C., Cortés-Contreras, M., Delfosse, X., Dreizler, S.,

- Forveille, T., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Lodieu, N., Lovis, C., Mayor, M., Montes, D., Morales, J. C., Morales, N., Murgas, F., Ortiz, J. L., Pepe, F., Perdelwitz, V., Pollaco, D., Santos, N. C., Schöfer, P., Schweitzer, A., Ségransan, N. C., Shan, Y., Stock, S., Tal-Or, L., Udry, S., Zapatero Osorio, M. R., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Two Terrestrial Planets Orbiting G 264-012 and one Terrestrial Planet Orbiting Gl 393. *Astron. Astrophys.* 650 (2021), A188.
1221. Cont, D., Yan, F., Reiners, A., Casasayas-Barris, N., Mollière, P., Pallé, E., Henning, Th., Nortmann, L., Stangret, M., Czesla, S., López-Puertas, M., Sánchez-López, A., Rodler, F., Ribas, I., Quirrenbach, A., Caballero, J. A., Amado, P. J., Carone, L., Khaimova, J., Kreidberg, L., Molaverdikhani, K., Montes, D., Morello, G., Nagel, E., Oshagh, M., Zechmeister, M.: Detection of Fe and Evidence for TiO in the Dayside Emission Spectrum of WASP-33b. *Astron. Astrophys.* 651 (2021), A33.
1222. GRAVITY Collaboration, Rodríguez-Coira, G., Paumard, T., Perrin, G., Vincent, F., Abuter, R., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W., Clénet, Y., de Zeeuw, P. T., Dexter, J., Drescher, A., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Gao, F., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Henning, Th., Hippler, S., Horrobin, M., Jimenez-Rosales, A., Jochum, L., Jocu, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J. B., Léna, P., Nowak, M., Ott, T., Perraut, K., Pfuhl, O., Sanchez-Bermudez, J., Shangguan, J., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Shimizu, T., von Fellenberg, S., Waisber, I., Widmann, F., Wieprecht, E., Wierzorrek, E., Woillez, J., Yazici, S., Zins, G.: MOlsphere and Pulsations of the Galactic Center’s Red Supergiant GCIRS 7 from VLTI/GRAVITY. *Astron. Astrophys.* 651 (2021), A37.
1223. Desidera, S., Chauvin, G., Bonavita, M., Messina, S., LeCoroller, H., Schmidt, T., Gratton, R., Lazzoni, C., Meyer, M., Schlieder, J., Cheetham, A., Hagelberg, J., Bonney, M., Feldt, M., Lagrange, A-M., Langlois, M., Vigan, A., Tan, T. G., Hamsch, F.-J., Millward, M., Alcalá, J., Benatti, S., Brandner, W., Carson, J., Covino, E., Delorme, P., D’Orazi, V., Janson, M., Rigliaco, E., Beuzit, J.-L., Biller, B., Boccaletti, A., Dominik, C., Cantalloube, F., Fontaniv, C., Galicher, R., Henning, Th., Lagarde, E., Ligi, R., Maire, A-L., Menard, F., Mesa, D., Muller, A., Samland, M., Schmid, H. M., Sissa, E., Turatto, M., Udry, S., Asensio-Torres, A., Zurlo R., Kopytova, T., Rickman, E., Abe, L., Antichi, J., Baruffolo, A., Baudoz, P., Baudrand, J., Blanchard, P., Bazzon, A., Buey, T., Carbillet, M., Carle, M., Charton, J., Cascone, E., Claudi, R., Costille, A., Deboulbe, A., De Caprio, V., Dohlen, K., Fantinel, D., Feautrier, P., Fusco, T., Gigan, P., Giro, E., Gislér, D., Gluck, L., Hubin, N., Hugot, E., Jaquet, M., Kasper, M., Madec, F., Magnard, Y., Martinez, P., Maurel, D., Le Mignant, D., Moller-Nilsson, O., Llored, M., Moulin, T., Origine, A., Pavlov, A., Perret, D., Petit, C., Pragt, J., Puget, P., Rabou, P., Ramon, J., Rigal, F., Rochat, S., Roelfsema, R., Rousset, G., Roux, A., Salasnich, B., Sauvage, J.-F., Sevin, A., Soenke, C., Stadler, E., Suarez, M., Weber, L., Wildi, F.: The SPHERE Infrared Survey for Exoplanets (SHINE)- I Sample Definition and Target Characterization.

1224. Langlois, M., Gratton, R., Lagrange, A.-M., Delorme, P., Boccaletti, A., Bonnefoy, M., Maire, A.-L., Mesa, D., Chauvin, G., Desidera, S., Vigan, A., Cheetham, A., Hagelberg, J., Feldt, M., Meyer, M., Rubini, P., Le Coroller, H., Cantalloube, F., Biller, B., Bonavita, M., Bhowmik, T., Brandner, W., Daemgen, S., D’Orazi, V., Flasseur, O., Fontanive, C., Galicher, R., Girard, J., Janin-Potiron, P., Janson, M., Keppler, M., Kopytova, T., Lagadec, E., Lannier, J., Lazzoni, C., Ligi, R., Meunier, N., Perreti, A., Perrot, C., Rodet, L., Romero, C., Rouan, D., Samland, M., Salter, G., Sissa, E., Schmidt, T., Zurlo, A., Mouillet, D., Denis, L., Thiebaut, E., Milli, J., Wahhaj, Z., Beuzit, J.-L., Dominik, C., Henning, Th., Menard, F., Muller, A., Schmid, H. M., Turatto, M., Udry, S., Abe, L., Antichi, J., Allard, F., Baruffolo, A., Baudoz, P., Baudrand, J., Bazzon, A., Blanchard, P., Carbillet, M., Carle, M., Cascone, E., Charton, J., Claudi, R., Costille, A., De Caprio, V., Delboulbe, A., Dohlen, K., Fantinel, D., Feautrier, P., Fusco, T., Gigan, P., Giro, E., Gisler, D., Gluck, L., Gry, C., Hubin, N., Hugot, E., Jaquet, M., Kasper, M., Le Mignant, D., Llored, M., Madec, F., Magnard, Y., Martinez, P., Maurel, D., Messina, S., Moller-Nilsson, O., Mugnier, L., Moulin, T., Origne, A., Pavlov, A., Perret, D., Petit, C., Pragt, J., Puget, P., Rabou, P., Ramos, J., Rigal, F., Rochat, S., Roelfsema, R., Rousset, G., Roux, A., Salasnich, B., Sauvage, J. F., Sevin, A., Soenke, C., Stadler, E., Suarez, M., Weber, L., Wildi, F., Rickman, E.: The SPHERE Infrared Survey for Exoplanets (SHINE) – II. Observations, Data Reduction and Analysis Detection Performances and Early-Results. *Astron. Astrophys.* 651 (2021), A71.
1225. Hocdé, V., Nardetto, N., Matter, A., Lagadec, E., Mérand, A., Cruzalèbes, P., Meil-land, A., Millour, F., Lopez, B., Berio, P., Weigelt, G., Petrov, R., Isbell, J. W., Jaffe, W., Kervella, P., Glindemann, A., Schöller, M., Allouche, F., Gallenne, A., Domi-ciano de Souza, A., Niccolini, G., Kokoulina, E., Varga, J., Lagarde, S., Augereau, J.-C., van Boekel, R., Bristow, P., Henning, Th., Hofmann, K.-H., Zins, G., Danchi, W.-C., Delbo, M., Dominik, C., Gámez Rosas, V., Klarmann, L., Hron, J., Hoger-heijde, M. R., Meisenheimer, K., Pantin, E., Paladini, C., Robbe-Dubois, S., Schertl, D., Stee, P., Waters, R., Lehmitz, M., Bettonvil, F., Heininger, M., Bristow, P., Woillez, J., Wolf, S., Yoffe, G., Szabados, L., Chiavassa, A., Borgniet, S., Breuval, L., Javanmardi, B., Ábrahám, P., Abadie, S., Abuter, R., Accardo, M., Adler, T., Agócs, T., Alonso, J., Antonelli, P., Böhm, A., Bailet, C., Bazin, G., Beckmann, U., Beltran, J., Boland, W., Bourget, P., Brast, R., Bresson, Y., Burtscher, L., Buter, R., Castillo, R., Chelli, A., Cid, C., Clausse, J.-M., Connot, C., Conzelmann, R. D., De Haan, M., Ebert, M., Elswijk, E., Fantei, Y., Frahm, R., Gámez Rosas, V., Gabasch, A., Garces, E., Girard, P., Glazenberg, A., Gonté, F. Y. J., González Herrera, J. C., Graser, U., Guajardo, P., Guitton, F., Hanenburg, H., Haubois, X., Hubin, N., Huerta, R., Idserda, J., Ives, D., Jakob, G., Jaskó, A., Jochum, L., Klein, R., Kragt, J., Kroes, G., Kuindersma, S., Labadie, L., Laun, W., Le Poole, R., Leinert, C., Lizon, J.-L., Lopez, M., Marcotto, A., Maucclert, N., Maurer, T., Mehrgan, L. H., Meisner, J., Meixner, K., Mellein, M., Mohr, L., Morel, S., Mosoni, L., Navarro, R., Neumann, U., Nußbaum, E., Pallanca, L., Pasquini, L., Percheron, I., Phan Duc, T., Pott, J.-U., Pozna, E., Ridinger, A., Rigal, F., Riquelme, M., Rivinius, Th., Roelf-

- sema, R., Rohloff, R.-R., Rousseau, S., Schuhler, N., Schuil, M., Shabun, K., Soulain, A., Stephan, C., ter Horst, R., Tromp, N., Vakili, F., van Duin, A., Venema, L. B., Vinther, J., Wittkowski, M., Wrhel, F.: Mid-Infrared Circumstellar Emission of the Long-Period Cepheid ℓ Carinae Resolved with VLTI/MATISSE. *Astron. Astrophys.* 651 (2021), A92.
1226. Johnson, E. N., Czesla, S., Fuhrmeister, B., Schoefer, P., Shan, Y., Cardona Guillen, C., Reiners, A., Jeffers, S. V., Lalitha, S., Luque, R., Rodriguez, E., Béjar, V. J. S., Caballero, J. A., Tal-Or, L., Zechmeister, M., Ribas, I., Amado, P. J., Quirrenbach, A., Cortes-Contreras, M., Dreizler, S., Fukui, A., Lopez-Gonzalez, M. J., Hatzes, A. P., Henning, Th., Kaminski, A., Kürster, M., Lafarga, M., Montes, D., Morales, J. C., Murgas, F., Narita, N., Pallé, E., Parviainen, H., Pedraz, S., Pollacco, D., Sota, A.: Simultaneous Photometric and CARMENES Spectroscopic Monitoring of Fast-rotating M-Dwarf GJ 3270. Discovery of a Post-Flare Corotating Feature. *Astron. Astrophys.* 651 (2021), A105.
1227. Lafarga, M., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Caballero, J. A., Azzaro, M., Béjar, V. J. S., Cortés-Contreras, M., Dreizler, S., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Montes, D., Morales, J. C., Oshagh, M., Rodríguez-López, C., Schöfer, P., Schweitzer, A., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs. Mapping Stellar Activity Indicators across the M-Dwarf Domain. *Astron. Astrophys.* 652 (2021), A28.
1228. Kammerer, J., Lacour, S., Stolker, T., Mollière, P., Sing, D. K., Nasedkin, E., Kervella, P., Wang, J. J., Ward-Duong, K., Nowak, M., Abuter, R., Amorim, A., Asensio-Torres, R., Bauböck, M., Benisty, M., Berger, J. P., Beust, H., Blunt, S., Boccaletti, A., Bohn, A., Bolzer, M.-L., Bonnefoy, M., Bonnet, H., Brandner, W., Cantalloube, F., Caselli, P., Charnay, B., Chauvin, G., Choquet, E., Christiaens, V., Clénet, Y., Coudé du Foresto, V., Cridland, A., Dembet, R., Dexter, J., de Zeeuw, P. T., Drescher, A., Duvert, G., Eckart, A., Eisenhauer, F., Gao, F., Garcia, P., Garcia Lopez, R., Gendron, E., Genzel, R., Gillessen, S., Girard, J., Haubois, X., Heißel, G., Henning, Th., Hinkley, S., Hippler, S., Horrobin, M., Houllé, M., Hubert, Z., Jocu, L., Keppler, M., Kreidberg, L., Lagrange, A.-M., Lapeyrière, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Maire, A.-L., Mérand, A., Monnier, J. D., Mouillet, D., Müller, A., Ott, T., Otten, G. P. P. L., Paladini, C., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Pueyo, L., Rameau, J., Rodet, L., Rousset, G., Rustamkulov, Z., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., van Dishoeck, E. F., Vigan, A., Vincent, F., von Fellenberg, S. D., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S.: GRAVITY K-band Spectroscopy of HD 206893 B: Brown Dwarf or Exoplanet. *Astron. Astrophys.* 652 (2021), A57.
1229. Asensio-Torres, R., Henning, Th., Cantalloube, F., Pinilla, P., Mesa, D., Garufi, A., Jorquera, S., Gratton, R., Chauvin, G., Szulagy, J., van Boekel, R., Dong, R., Marleau, G.-D., Benisty, M., Villenave, M., Bergez-Casalou, C., Desgrange, C., Janson, M., Keppler, M., Langlois, M., Menard, F., Rickman, E., Stolker, T., Feldt, M., Fusco, T., Gluck, L., Pavlov, A., Ramos, J.: Perturbers: SPHERE Detection

Limits to Planetary-Mass Companions in Protoplanetary Disks. *Astron. Astrophys.* 652 (2021), A101.

1230. Grieves, N., Bouchy, F., Lendl, M., Carmichael, T., Mireles, I., Shporer, A., McLeod, K. K., Collins, K. A., Brahm, R., Stassun, K. G., Gill, S., Bouma, L. G., Guillot, T., Cointepas, M., Dos Santos, L. A., Casewell, S. L., Jenkins, J. M., Henning, Th., Nielsen, L. D., Psaridi, A., Udry, S., Ségransan, D., Eastman, J. D., Zhou, G., Abe, L., Agabi, A., Bakos, G., Charbonneau, D., Collins, K. I., Colon, K. D., Crouzet, N., Dransfield, G., Evans, P., Goeke, R. F., Hart, R., Irwin, J. M., Jensen, E. L. N., Jordán, A., Kielkopf, J. F., Latham, D. W., Marie-Sainte, W., Mékarnia, D., Nelson, P., Quinn, S. N., Radford, D. J., Rodriguez, D. R., Rowden, P., Schmider, F.-X., Schwarz, R. P., Smith, J. C., Stockdale, C., Suarez, O., Tan, T.-G., Triaud, A. H. M. J., Waalkes, W., Wingham, G.: Populating the Brown Dwarf and Stellar Boundary: Five Stars with Transiting Companions near the Hydrogen-burning Mass Limit. *Astron. Astrophys.* 652 (2021), A127.
1231. Baroch, D., Morales, J. C., Ribas, I., Béjar, V. J. S., Reffert, S., Cardona Guillén, C., Reiners, A., Caballero, J. A., Quirrenbach, A., Amado, P. J., Anglada-Escudé, G., Colomé, J., Cortés-Contreras, M., Dreizler, S., Galadí-Enríquez, D., Hatzes, A. P., Jeffers, S. V., Henning, Th., Herrero, E., Kaminski, A., Kürster, M., Lafarga, M., Lodieu, N., López-González, M. J., Montes, D., Pallé, E., Perger, M., Pollacco, D., Rodríguez-López, C., Rodríguez, E., Rosich, A., Schöfer, P., Schweitzer, A., Shan, Y., Tal-Or, L., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs: Spectroscopic Orbits of nine M-Dwarf Multiple Systems, including two Triples, two Brown Dwarf Candidates, and one Close M-Dwarf-White Dwarf Binary. *Astron. Astrophys.* 653 (2021), A49.
1232. Singh, G., Bhowmik, T., Boccaletti, A., Thébault, P., Kral, Q., Milli, J., Mazoyer, J., Pantin, E., van Holstein, R. G., Olofsson, J., Boukrouche, R., Di Folco, E., Janson, M., Langlois, M., Maire, A.-L., Vigan, A., Benisty, M., Augereau, J.-C., Perrot, C., Gratton, R., Henning, Th., Ménard, F., Rickman, E., Wahhaj, Z., Zurlo, A., Biller, B., Bonnefoy, M., Chauvin, G., Delorme, P., Desidera, S., D’Orazi, V., Feldt, M., Hagelberg, J., Keppler, M., Kopytova, T., Lagadec, E., Lagrange, A.-M., Mesa, D., Meyer, M., Rouan, D., Sissa, E., Schmidt, T. O. B., Jaquet, M., Fusco, T., Pavlov, A., Rabou, P.: Revealing Asymmetrical Dust Distribution in the Inner Regions of HD 141569. *Astron. Astrophys.* 653 (2021), A79.
1233. Wells, R. D., Rackham, B. V., Schanche, N., Petrucci, R., Gómez Maqueo Chew, Y., Demory, B.-O., Burgasser, A. J., Burn, R., Pozuelos, F. J., Günther, M. N., Sabin, L., Schroffenegger, U., Gómez-Muñoz, M. A., Stassun, K. G., Van Grootel, V., Howell, S. B., Sebastian, D., Triaud, A. H. M. J., Apai, D., Plauchu-Frayn, I., Guerrero, C. A., Guillén, P. F., Landa, A., Melgoza, G., Montalvo, F., Serrano, H., Riesgo, H., Barkaoui, K., Bixel, A., Burdanov, A., Chen, W. P., Chinchilla, P., Collins, K. A., Daylan, T., de Wit, J., Delrez, L., Dévora-Pajares, M., Dietrich, J., Dransfield, G., Ducrot, E., Fausnaugh, M., Furlan, E., Gabor, P., Gan, T., Garcia, L., Ghachoui, M., Giacalone, S., Gibbs, A. B., Gillon, M., Gnilk, C., Gore, R., Guerrero, N., Henning, Th., Hesse, K., Jehin, E., Jenkins, J. M., Latham, D. W.,

- Lester, K., McCormac, J., Murray, C. A., Niraula, P., Pedersen, P. P., Queloz, D., Ricker, G., Rodriguez, D. R., Schroeder, A., Schwarz, R. P., Scott, N., Seager, S., Theissen, C. A., Thompson, S., Timmermans, M., Twicken, J. D., Winn, J. N.: A Large Sub-Neptune Transiting the Thick-disk M4 V TOI-2406. *Astron. Astrophys.* 653 (2021), A97.
1234. GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Baganoff, F., Berge, J. P., Boyce, H., Bonnet, H., Brandner, W., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Dallilar, Y., Drescher, A., Eckart, A., Eisenhauer, F., Fazio, G. G., Förster Schreiber, N. M., Foster, K., Gammie, C., Garcia, P., Gao, F., Gendron, E., Genzel, R., Ghisellini, G., Gillessen, S., Gurwell, M. A., Habibi, M., Haggard, D., Hailey, C., Harrison, F. A., Haubois, X., Heiße, G., Henning, Th., Hippler, S., Hora, J. L., Horrobin, M., Jiménez-Rosales, A., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lowrance, P. J., Lutz, D., Markoff, S., Mori, K., Morris, M. R., Neilsen, J., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Ponti, G., Pfuhl, O., Rabien, S., Rodríguez-Coira, G., Shangguan, J., Shimizu, T., Scheithauer, S., Smith, H. A., Stadler, J., Stern, D. K., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wierzorrek, E., Willner, S. P., Witzel, G., Woillez, J., Yazici, S., Young, A., Zhang, S., Zins, G.: Constraining Particle Acceleration in Sgr A* with Simultaneous GRAVITY, Spitzer, NuSTAR and Chandra Observations. *Astron. Astrophys.* 654 (2021), A22.
1235. GRAVITY Collaboration, Perraut, K., Labadie, L., Bouvier, J., Ménard, F., Klarmann, L., Dougados, C., Benisty, M., Berger, J.-P., Bouarour, Y.-I., Brandner, W., Caratti o Garatti, A., Caselli, P., de Zeeuw, P. T., Garcia-Lopez, R., Henning, Th., Sanchez-Bermudez, J., Sousa, A. van Dishoeck, E., Alécian, E., Amorim, A., Clénet, Y., Davies, R., Drescher, A., Duvert, G., Eckart, A., Eisenhauer, F., Förster-Schreiber, N. M., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Grellmann, R., Heiße, G., Hippler, S., Horrobin, M., Hubert, Z., Jocou, L., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Ott, T., Paumard, T., Perrin, G., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L., Vincent, F., von Fellenberg, S., Widmann, F.: The GRAVITY Young Stellar Object Survey. VII. The Inner Dusty Disks of T Tauri Stars. *Astron. Astrophys.* 655 (2021), A73.
1236. GRAVITY Collaboration, Ganci, V., Labadie, L., Klarmann, L., de Valon, A., Perraut, K., Benisty, M., Brandner, W., Caratti o Garatti, A., Dougados, C., Eupen, F., Garcia Lopez, R., Grellmann, R., Sanchez-Bermudez, J., Wojtczak, A., Garcia, P., Amorim, A., Bauböck, M., Berger, J.-P., Caselli, P., Clénet, Y., Coudé Du Foresto, V., de Zeeuw, P. T., Drescher, A., Duvert, G., Eckart, A., Eisenhauer, F., Filho, M., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Heissel, G., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Jiménez-Rosales, A., Jocou, L., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Ott, T., Paumard, T., Perrin, G., Pfuhl, O., Heiße, G., Rousset, G., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., van Dishoeck, E., Vincent, F., von Fellen-

- berg, S. D., Widmann, F., Woillez, J.: The GRAVITY Young Stellar Object Survey. VIII. Gas and Dust Faint Inner Rings in the Hybrid Disk of HD141569. *Astron. Astrophys.* 655 (2021), A112.
1237. Schlecker, M., Mordasini, C., Emsenhuber, A., Klahr, H., Henning, Th., Burn, R., Alibert, Y., Benz, W.: The New Generation Planetary Population Synthesis (NGPPS). III. Warm Super-Earths and Cold Jupiters: A Weak Occurrence Correlation, but with a Strong Architecture-Composition Link. *Astron. Astrophys.* 656 (2021), A71.
1238. Burn, R., Schlecker, M., Mordasini, C., Emsenhuber, A., Alibert, Y., Henning, Th., Klahr, H., Benz, W.: The New Generation Planetary Population Synthesis (NGPPS). IV. Planetary Systems around Low-mass Stars. *Astron. Astrophys.* 656 (2021), A72.
1239. Schlecker, M., Pham, D., Burn, R., Alibert, Y., Mordasini, C., Emsenhuber, A., Klahr, H., Henning, Th., Mishra, L.: The New Generation Planetary Population Synthesis (NGPPS). V. Predetermination of Planet Types in Global Core Accretion Models. *Astron. Astrophys.* 656 (2021), A73.
1240. Pyerin, M. A., Delage, T. N., Kurtovic, N. T., Gárate, M., Henning, Th., Pinilla, P.: Constraining the Properties of the Potential Embedded Planets in the Disk around HD 100546. *Astron. Astrophys.* 656 (2021), A150.
1241. Moór, A., Ábrahám, P., Szabó, G., Vida, K., Cataldi, G., Derekas, A., Henning, Th., Kinemuchi, K., Kóspál, Á., Kovács, J., Pál, A., Sarkis, P., Seli, B., Szabó, Z., Takáts, K.: A New Sample of Warm Extreme Debris Disks from the ALLWISE Catalog. *Astrophys. J.* 910 (2021), 27.
1242. Paneque-Carreño, T., Perez, L. M., Benisty, M., Hall, C., Veronesi, B., Lodato, G., Sierra, A., Carpenter, J. M., Andrews, S. M., Bae, J., Henning, Th., Kwon, W., Linz, H., Loinard, L., Pinte, C., Ricci, L., Tazzari, M., Testi, L., Wilner, D.: Spiral Arms and a Massive Dust Disk with Non-Keplerian Kinematics: Possible Evidence for Gravitational Instability in the Disk of Elias 2-27. *Astrophys. J.* 914 (2021), 88.
1243. Long, F., Andrews, S. M., Vega, J., Wilner, D. J., Chandler, C. J., Ragusa, E., Teague, R., Pérez, L. M., Calvet, N., Carpenter, J. M., Henning, Th., Kwon, W., Linz, H., Ricci, L.: The Architecture of the V892 Tau System: The Binary and its Circumbinary Disk. *Astrophys. J.* 915 (2021), 131.
1244. Potapov, A., Krasnokutski, S. A., Jäger, C., Henning, Th.: A New "Non-energetic" Route to Complex Organic Molecules in Astrophysical Environments: The $C + H_2O \rightarrow H_2CO$ Solid-state Reaction. *Astrophys. J.* 920 (2021), 111.
1245. Teague, R., Hull, C. L. H.: Guilloteau, S., Bergin, E. A., Dutrey, A., Henning, Th., Kuiper, R., Semenov, D., Stephens, I. W., Vlemmings, W. H. T.: Discovery of Molecular-line Polarization in the Disk of TW Hya. *Astrophys. J.* 922 (2021), 139.
1246. Maire, A.-L., Langlois, M., Delorme, P., Chauvin, G., Gratton, R., Vigan, A., Girard, J. H., Wahhaj, Z., Pott, J.-U., Burtcher, L., Boccaletti, A., Carlotti, A.,

Henning, Th., Kenworthy, M. A., Kervella, P., Rickman, E. L., Schmidt, T. O. B.: Lessons Learned from SPHERE for the Astrometric Strategy of the Next Generation of Exoplanet Imaging Instruments. *JATIS* 7 (2021), 035004.

1247. Duarte-Cabral, A., Colombo, D., Urquhart, J. S., Ginsburg, A., Russeil, D., Schuller, F., Anderson, L. D., Barnes, P. J., Beltrán, M. T., Beuther, H., Bontemps, S., Bronfman, L., Csengeri, T., Dobbs, C. L., Eden, D., Giannetti, A., Kauffmann, J., Mattern, M., Medina, S.-N. X., Menten, K. M., Lee, M.-Y., Pettitt, A. R., Riener, M., Rigby, A. J., Traficante, A., Veena, V. S., Wienen, M., Wyrowski, F., Agurto, C., Azagra, F., Cesaroni, R., Finger, R., Gonzalez, E., Henning, Th., Hernandez, A. K., Kainulainen, J., Leurini, S., Lopez, S., Mac-Auliffe, F., Mazumdar, P., Molinari, S., Motte, F., Muller, E., Nguyen-Luong, Q., Parra, R., Perez-Beaupuits, J.-P., Montenegro-Montes, F. M., Moore, T. J. T., Ragan, S. E., Sánchez-Monge, A., Sanna, A., Schilke, P., Schisano, E., Schneider, N., Suri, S., Testi, L., Torstensson, K., Venegas, P., Wang, K., Zavagno, A.: The SEDIGISm Survey: Molecular Clouds in the Inner Galaxy. *MNRAS* 500 (2021), 3027-3049.
1248. Schuller, F., Urquhart, J. S. D., Csengeri, T., Colombo, D., Duarte-Cabral, A., Mattern, M., Ginsburg, A., Pettitt, A. R., Wyrowski, F., Anderson, L., Azagra, F., Barnes, P., Beltran, M., Beuther, H., Billington, S., Bronfman, L., Cesaroni, R., Dobbs, C., Eden, D., Lee, M.-Y., Medina, S.-N. X., Menten, K. M., Moore, T., Montenegro-Montes, F. M., Ragan, S., Rigby, A., Riener, M., Russeil, D., Schisano, E., Sanchez-Monge, A., Traficante, A., Zavagno, A., Agurto, C., Bontemps, S., Finger, R., Giannetti, A., Gonzalez, E., Hernandez, A. K., Henning, Th., Kainulainen, J., Kauffmann, J., Leurini, S., Lopez, S., Mac-Auliffe, F., Mazumdar, P., Molinari, S., Motte, F., Muller, E., Nguyen-Luong, Q., Parra, R., Perez-Beaupuits, J.-P., Schilke, P., Schneider, N., Suri, S., Testi, L., Torstensson, K., Veena, V. S., Venegas, P., Wang, K., Wienen, M.: The SEDIGISm Survey: First Data Release and Overview of the Galactic Structure. *MNRAS* 500 (2021), 3064-3082.
1249. Narang, M., Manoj, P., Ishwara Chandra, C. H., Lazio, J., Henning, Th., Tamura, M., Mathew, B., Ujwal, N., Mandal, P.: In Search of Radio Emission from Exoplanets: GMRT Observations of the Binary System HD 41004. *MNRAS* 500 (2021), 4818-4826.
1250. Addison, B. C., Wright, D. J., Nicholson, B. A., Cale, B., Mocnik, T., Huber, D., Plavchan, P., Wittenmyer, R. A., Vanderburg, A., Chaplin, W. J., Chontos, A., Clark, J. T., Eastman, J. D., Ziegler, C., Brahm, R., Carter, B. D., Clerte, M., Espinoza, N., Horner, J., Bentley, J., Jordán, A., Kane, S. R., Kielkopf, J. F., Laychock, E., Mengel, M. W., Okumura, J., Stassun, K. G., Bedding, T. R., Bowler, B. P., Burnelis, A., Blanco-Cuaresma, S., Collins, M., Crossfield, I., Davis, A. B., Evensberger, D., Heitzmann, A., Howell, S. B., Law, N., Mann, A. W., Marsden, S. C., Matson, R. A., O'Connor, J., Shporer, A., Stevens, C., Tinney, C. G., Tylor, C., Wang, S., Zhang, H., Henning, Th., Kossakowski, D., Ricker, G., Sarkis, P., Schlecker, M., Torres, P., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Mireles, I., Rowden, P., Pepper, J., Daylan, T., Schlieder, J. E.,

- Collins, K. A., Collins, K. I., Tan, T.-G., Ball, W. H., Basu, S., Buzasi, D. L., Campante, T. L., Corsaro, E., González-Cuesta, L., Davies, G. R., de Almeida, L., do Nascimento, J.-D., Jr., García, R. A., Guo, Z., Handberg, R., Hekker, S., Hey, D. R., Kallinger, T., Kawaler, S. D., Kayhan, C., Kuzlewicz, J. S., Lund, M. N., Lyttle, A., Mathur, S., Miglio, A., Mosser, B., Nielsen, M. B., Serenelli, A. M., Aguirre, V. A., Themeßl, N.: TOI-257b (HD 19916b): A Warm Sub-Saturn Orbiting an Evolved F-type Star. *MNRAS* 502 (2021), 3704-3722.
1251. Mesa, D., Marino, S., Bonavita, M., Lazzoni, C., Fontanive, C., Pérez, S., D’Orazi, V., Desidera, S., Gratton, R., Engler, N., Henning, Th., Janson, M., Kral, Q., Langlois, M., Messina, S., Milli, J., Pawellek, N., Perrot, C., Rigliaco, E., Rickman, E., Squicciarini, V., Vigan, A., Wahhaj, Z., Zurlo, A., Boccaletti, A., Bonnefoy, M., Chauvin, G., De Caprio, V., Feldt, M., Gluck, L., Hagelberg, J., Keppler, M., Lagrange, A.-M., Launhardt, R., Maire, A.-L., Meyer, M., Moeller-Nilsson, O., Pavlov, A., Samland, M., Schmidt, T., Weber, L.: Limits on the Presence of Planets in Systems with Debris Discs: HD 92945 and HD 107146. *MNRAS* 503 (2021), 1276-1289.
1252. Hitchcock, J. A., Helling, C., Scholz, A., Hodosan, G., Dominik, M., Hundertmark, M., Jrgensen, U. G., Longa-Peña, P., Sajadian, S., Skottfelt, J., Snodgrass, C., Bozza, V., Burgdorf, M. J., Campbell-White, J., Figuera Jaimes, R., Fujii, Y. I., Haikala, L. K., Henning, Th., Hinse, T. C., Lowry, S., Mancini, L., Rahvar, S., Rabus, M., Southworth, J., von Essen, C., Mindstep Collaboration: Erratum: Large-scale Changes of the Cloud Coverage in the ϵ Indi Ba and Bb System. *MNRAS* 506 (2021), 3418-3418.
1253. Osborn, A., Armstrong, D. J., Cale, B., Brahm, R., Wittenmyer, R. A., Dai, F., Crossfield, I. J. M., Bryant, E. M., Adibekyan, V., Cloutier, R., Collins, K. A., Delgado Mena, E., Fridlund, M., Hellier, C., Howell, S. B., King, G. W., Lillo-Box, J., Otegi, J., Sousa, S., Stassun, K. G., Matthews, E. C., Ziegler, C., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Acton, J. S., Addison, B. C., Anderson, D. R., Ballard, S., Barrado, D., Barros, S. C. C., Batalha, N., Bayliss, D., Barclay, T., Benneke, B., Berberian, J., Bouchy, F., Bowler, B. P., Briceño, C., Burke, C. J., Burleigh, M. R., Casewell, S. L., Ciardi, D., Collins, K. I. search, Cooke, B. F., Demangeon, O. D. S., Díaz, R. F., Dorn, C., Dragomir, D., Dressing, C., Dumusque, X., Espinoza, N., Figueira, P., Fulton, B., Furlan, E., Gaidos, E., Geneser, C., Gill, S., Goad, M. R., Gonzales, E. J., Gorjian, V., Günther, M. N., Helled, R., Henderson, B. A., Henning, Th., Hogan, A., Hojjatpanah, S., Horner, J., Howard, A. W., Hoyer, S., Huber, D., Isaacson, H., Jenkins, J. S., Jensen, E. L. N., Jordán, A., Kane, S. R., Kidwell, R. C., Kielkopf, J., Law, N., Lendl, M., Lund, M., Matson, R. A., Mann, A. W., McCormac, J., Mengel, M. W., Morales, F. Y., Nielsen, L. D., Okumura, J., Osborn, H. P., Petigura, E. A., Plavchan, P., Pollacco, D., Quintana, E. V., Raynard, L., Robertson, P., Rose, M. E., Roy, A., Reefe, M., Santerne, A., Santos, N. C., Sarkis, P., Schlieder, J., Schwarz, R. P., Scott, N. J., Shporer, A., Smith, A. M. S., Stibbard, C., Stockdale, C., Strøm, P. A., Twicken, J. D., Tan, T.-G., Tanner, A., Teske, J., Tilbrook, R. H., Tinney, C. G., Udry, S., Villaseñor, J. N., Vines, J. I., Wang, S. X., Weiss, L. M., West, R. G.,

- Wheatley, P. J., Wright, D. J., Zhang, H., Zohrabi, F.: TOI-431/HIP 26013: A Super-Earth and a Sub-Neptune Transiting a Bright, Early K- Dwarf, with a Third RV Planet. *MNRAS* 507 (2021), 2782-2803.
1254. Trifonov, T., Caballero, J. A., Morales, J. C., Seifahrt, A., Ribas, I., Reiners, A., Bean, J. L., Luque, R., Parviainen, H., Pallé, E., Stock, S., Zechmeister, M., Amado, P. J., Anglada-Escudé, G., Azzaro, M., Barclay, T., Béjar, V. J. S., Bluhm, P., Casasayas-Barris, N., Cifuentes, C., Collins, K. A., Collins, K. I., Cortés-Contreras, M., de Leon, J., Dreizler, S., Dressing, C. D., Esparza-Borges, E., Espinoza, N., Fausnaugh, M., Fukui, A., Hatzes, A. P., Hellier, C., Henning, Th., Henze, C. E., Herrero, E., Jeffers, S. V., Jenkins, J. M., Jensen, E. L. N., Kaminski, A., Kasper, D., Kossakowski, D., Kürster, M., Lafarga, M., Latham, D. W., Mann, A. W., Molaverdikhani, K., Montes, D., Montet, B. T., Murgas, F., Narita, N., Oshagh, M., Passegger, V. M., Pollacco, D., Quinn, S. N., Quirrenbach, A., Ricker, G. R., Rodríguez López, C., Sanz-Forcada, J., Schwarz, R. P., Schweitzer, A., Seager, S., Shporer, A., Stangret, M., Stürmer, J., Tan, T. G., Tenenbaum, P., Twicken, J. D., Vanderspek, R., Winn, J. N.: A Nearby Transiting Rocky Exoplanet that is Suitable for Atmospheric Investigation. *Science* 371 (2021), 1038-1041.
1255. Barth, P., Ludmilla, C., Barnes, R., Noack, L., Mollière, P., Henning, Th.: Magma Ocean Evolution of the TRAPPIST-1 Planets. *Astrobiology* 21 (2021), 1325-1349.
1256. Janson, M., Gratton, R., Rodet, L., Vigan, A., Bonnefoy, M., Delorme, P., Mamajek, E. E., Reffert, S., Stock, L., Marleau, G.-D., Langlois, M., Chauvin, G., Desidera, S., Ringqvist, S., Mayer, L., Viswanath, G., Squicciarini, V., Meyer, M. R., Samland, M., Petrus, S., Helled, R., Kenworthy, M. A., Quanz, S. P., Biller, B., Henning, Th., Mesa, D., Engler, N., Carson, J. C.: A Wide-orbit Giant Planet in the High-mass β Centauri Binary System. *Nature* 600 (2021) 231-234.
1257. Gamez Rosas, V., Isbell, J. W., Jaffe, W., Petrov, R. G., Leftley, J. H., Hofmann, K.-H., Millour, F., Burtcher, L., Meisenheimer, K., Meilland, A., Waters, L. B. F. M., Lopez, B., Lagarde, S., Weigelt, G., Berio, P., Allouche, F., Robbe-Dubois, S., Cruzalebes, P., Bettonvil, F., Henning, Th., Augereau, J.-C., Antonelli, P., Beckmann, U., van Boekel, R., Bendjoya, P., Danchi, W. C., Dominik, C., Drevon, J., Gallimore, J. F., Graser, U., Heininger, M., Hocde, V., Hogerheijde, M., Hron, J., Impellizzeri, C. M. V., Klarmann, L., Kokoulina, E., Labadie, L., Lehmitz, M., Matter, A., Paladini, C., Pantin, E., Pott, J.-U., Schert, D., Soullain, A., Stee, P., Tristram, K., Varga, J., Woillez, J., Wolf, S., Yoffe, G., Zins, G.: Thermal Imaging of Dust Hiding the Black Hole in the Active Galaxy NGC 1068. *Nature* 602 (2022) 403-407.
1258. Bohn, A. J., Ginski, C., Kenworthy, M. A., Mamajek, E. E., Meshkat, T., Pecaut, M. J., Reggiani, M., Seay, C. R., Brown, A. G. A., Cugno, G., Henning, Th., Launhardt, R., Quirrenbach, A., Rickman, E. L., Ségransan, D.: Unveiling Wide-orbit Companions to K-type Stars in Sco-Cen with Gaia EDR3. *Astron. Astrophys.* 657 (2022), A53.
1259. Franceschi, R., Birnstiel, T., Henning, Th., Pinilla, P., Semenov, D., Zormpas, A.:

Mass Determination of Protoplanetary Disks from Dust Evolution. *Astron. Astrophys.* 657 (2022), A74.

1260. GRAVITY Collaboration, Abuter, R., Aymar, N., Amorim, A., Arras, P., Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W., Bourdarot, G., Cardoso, V., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Dallilar, Y., Drescher, A., Eisenhauer, F., Enßlin, T., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Shangguan, J., Shimizu, T., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., Young, A., Zins, G.: Deep Images of the Galactic Center with GRAVITY. *Astron. Astrophys.* 657 (2022), A82.
1261. GRAVITY Collaboration, Abuter, R., Aymar, N., Amorim, A., Ball, J., Bauböck, M., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eisenhauer, F., Förster Schreiber, N. M., Foschi, A., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Shangguan, J., Shimizu, T., Scheithauer, S., Stadler, J., Stephens, A. W., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., Young, A.: Mass Distribution in the Galactic Center Based on Interferometric Astrometry of Multiple Stellar Orbits. *Astron. Astrophys.* 657 (2022), L12.
1262. Colombo, D., Duarte-Cabral, A., Pettitt, A. R., Urquhart, J. S., Wyrowski, F., Csengeri, T., Neralwar, K. R., Schuller, F., Menten, K. M., Anderson, L., Barnes, P., Beuther, H., Bronfman, L., Eden, D., Ginsburg, A., Henning, Th., König, C., Lee, M.-Y., Mattern, M., Medina, S., Ragan, S. E., Rigby, A. J., Sánchez-Monge, Á., Traficante, A., Yang, A. Y., Wienen, M.: The SEDIGISM Survey: The Influence of Spiral Arms on the Molecular Gas Distribution of the Inner Milky Way. *Astron. Astrophys.* 658 (2022), A54.
1263. Mesa, D., Ginski, C., Gratton, R., Ertel, S., Wagner, K., Bonavita, M., Fedele, D., Meyer, M., Henning, Th., Langlois, M., Garufi, A., Antonucci, S., Claudi, R., Defrère, D., Desidera, S., Janson, M., Pawellek, N., Rigliaco, E., Squicciarini, V., Zurlo, A., Boccaletti, A., Bonnefoy, M., Cantalloube, F., Chauvin, G., Feldt, M., Hagelberg, J., Hugot, E., Lagrange, A.-M., Lazzoni, C., Maurel, D., Perrot, C., Petit, C., Rouan, D., Vigan, A.: Signs of Late Infall and Possible Planet Formation around DR Tau Using VLT/SPHERE and LBTI/LMIRCam. *Astron. Astrophys.* 658 (2022), A63.

1264. Biller, B. A., Grandjean, A., Messina, S., Desidera, S., Delorme, P., Lagrange, A.-M., Hamsch, F.-J., Mesa, D., Janson, M., Gratton, R., D'Orazi, V., Langlois, M., Maire, A.-L., Schlieder, J., Henning, Th., Zurlo, A., Hagelberg, J., Brown-Sevilla, S., Romero, C., Bonnefoy, M., Chauvin, G., Feldt, M., Meyer, M., Vigan, A., Pavlov, A., Soenke, C., LeMignant, D., Roux, A.: Dynamical Masses for Two M1 + Mid-M Dwarf Binaries Monitored during the SPHERE-SHINE Survey. *Astron. Astrophys.* 658 (2022), A145.
1265. Yang, A. Y., Urquhart, J. S., Wyrowski, F., Thompson, M. A., König, C., Colombo, D., Menten, K. M., Duarte-Cabral, A., Schuller, F., Csengeri, T., Eden, D., Barnes, P., Traficante, A., Bronfman, L., Sanchez-Monge, A., Ginsburg, A., Cesaroni, R., Lee, M.-Y., Beuther, H., Medina, S.-N. X., Mazumdar, P., Henning, Th.: The SEDIGISM Survey: A Search for Molecular Outflows. *Astron. Astrophys.* 658 (2022), A160.
1266. Bohn, A. J., Benisty, M., Perraut, K., van der Marel, N., Wölfer, L., van Dishoeck, E. F., Facchini, S., Manara, C. F., Teague, R., Francis, L., Berger, J.-P., Garcia-Lopez, R., Ginski, C., Henning, Th., Kenworthy, M., Kraus, S., Ménard, F., Mérand, A., Pérez, L. M.: Probing Inner and Outer Disk Misalignments in Transition Disks. *Astron. Astrophys.* 658 (2022), A183.
1267. Kemmer, J., Dreizler, S., Kossakowski, D., Stock, S., Quirrenbach, A., Caballero, J. A., Amado, P. J., Collins, K. A., Espinoza, N., Herrero, E., Jenkins, J. M., Latham, D. W., Lillo-Box, J., Narita, N., Pallé, E., Reinert, A., Ribas, I., Ricker, G., Rodríguez, E., Seager, S., Vanderspek, R., Wells, R., Winn, J., Aceituno, F. J., Béjar, V. J. S., Barclay, T., Bluhm, P., Chaturvedi, P., Cifuentes, C., Collins, K. I., Cortés-Contreras, M., Demory, B.-O., Fausnaugh, M. M., Fukui, A., Gómez Maqueo Chew, Y., Galadí-Enríquez, D., Gan, T., Gillon, M., Golovin, A., Hatzes, A. P., Henning, Th., Huang, C., Jeffers, S. V., Kaminski, A., Kunitomo, M., Kürster, M., López-González, M. J., Lafarga, M., Luque, R., McCormac, J., Molaverdikhani, K., Montes, D., Morales, J. C., Passegger, V. M., Reffert, S., Sabin, L., Schöfer, P., Schanche, N., Schlecker, M., Schroeffer, U., Schwarz, R. P., Schweitzer, A., Sota, A., Tenenbaum, P., Trifonov, T., Vanaverbeke, S., Zechmeister, M.: Discovery and Mass Measurement of the Hot, Transiting, Earth-sized Planet GJ 3929 b. *Astron. Astrophys.* 659 (2022), A17.
1268. Pearce, T. D., Launhardt, R., Ostermann, R., Kennedy, G. M., Gennaro, M., Booth, M., Krivov, A. V., Cugno, G., Henning, Th., Quirrenbach, A., Musso Barucci, A., Matthews, E. C., Ruh, H. L., Stone, J. M.: Planet Populations Inferred from Debris Discs: Insights from 178 Debris Systems in the ISPY, LEECH and LStEN Planet-hunting Surveys. *Astron. Astrophys.* 659 (2022), A135.
1269. Ginski, C., Gratton, R., Bohn, A., Dominik, C., Jorquera, S., Chauvin, G., Milli, J., Rodríguez, M., Benisty, M., Launhardt, R., Mueller, A., Cugno, G., van Holstein, R. G., Boccaletti, A., Muro-Arena, G. A., Desidera, S., Keppler, M., Zurlo, A., Sissa, E., Henning, Th., Janson, M., Langlois, M., Bonnefoy, M., Cantalloube, F., D'Orazi, V., Feldt, M., Hagelberg, J., Segransan, D., Lagrange, A.-M., Lazzoni, C., Meyer,

- M., Romero, C., Schmidt, T. O. B., Vigan, A., Petit, C., Roelfsema, R., Pragt, J., Weber, L.: An Extended Scattered Light Disk around AT Pyx. Possible Planet Formation in a Cometary Globule. *Astron. Astrophys.* 662 (2022), A74.
1270. Isbell, J. W., Meisenheimer, K., Pott, J.-W., Stalevski, M., Tristram, K. R. W., Sanchez-Bermudez, J., Hofmann, K.-H., Gámez Rosas, V., Jaffe, W., Burtscher, L., Leftley, J., Petrov, R., Lopez, B., Henning, Th., Weigelt, G., Allouche, F., Berio, P., Bettonvil, F., Cruzalebes, P., Dominik, C., Heininger, M., Hogerheijde, M., Lagarde, S., Lehmitz, M., Matter, A., Millour, F., Robbe-Dubois, S., Schertl, D., van Boekel, R., Varga, J., Woillez, J.: The Dusty Heart of Circinus: I. Imaging the Circumnuclear Dust in N-band. *Astron. Astrophys.* 663 (2022), A35.
1271. Quirrenbach, A., Passegger, V. M., Trifonov, T., Amado, P. J., Caballero, J. A., Reiners, A., Ribas, I., Aceituno, J., Bejar, V. J. S., Chaturvedi, P., Gonzalez-Cuesta, L., Henning, Th., Herrero, E., Kaminski, A., Kürster, M., Lalitha, S., Lodieu, N., Lopez-Gonzalez, M. J., Montes, D., Pallé, E., Perger, M., Pollacco, D., Reffert, S., Rodriguez, E., Rodriguez Lopez, C., Shan, Y., Tal-Or, L., Zapatero Osorio, M. R., Zechmeister, M.: The CARMENES Search for Exoplanets around M-Dwarfs: Two Saturn-mass Planets Orbiting Active Stars. *Astron. Astrophys.* 663 (2022), A48.
1272. Neralwar, K. R., Colombo, D., Duarte-Cabral, A., Urquhart, J. S., Mattern, M., Wyrowski, F., Menten, K. M., Barnes, P., Sanchez-Monge, A., Beuther, H., Rigby, A. J., Mazumdar, P., Eden, D., Csengeri, T., Dobbs, C. L., Veena, V. S., Neupane, S., Henning, Th., Schuller, F., Leurini, S., Wienen, M., Yang, A. Y., Ragan, S. E., Medina, S., Nguyen-Luong, Q.: The SEDIGISM Survey: Molecular Cloud Morphology. I. Classification and Star Formation. *Astron. Astrophys.* 663 (2022), A56.
1273. Bonavita, M., Gratton, R., Desidera, S., Squicciarini, V., D’Orazi, V., Zurlo, A., Biller, B., Chauvin, G., Fontanive, C., Janson, M., Messina, S., Menard, F., Meyer, M., Vigan, A., Avenhaus, H., Asensio Torres, R., Beuzit, J.-L., Boccaletti, A., Bonnefoy, M., Brandner, W., Cantalloube, F., Cheetham, A., Cudel, M., Daemgen, S., Delorme, P., Desgrange, C., Dominik, C., Engler, N., Feautrier, P., Feldt, M., Galicher, R., Garufi, A., Gasparri, D., Ginski, C., Girard, J., Grandjean, A., Hagelberg, J., Henning, Th., Hunziker, S., Kasper, M., Keppler, M., Lagadec, E., Lagrange, A.-M., Langlois, M., Lannier, J., Lazzoni, C., Le Coroller, H., Ligi, R., Lombart, M., Maire, A.-L., Mazevet, S., Mesa, D., Mouillet, D., Moutou, C., Muller, A., Peretti, S., Perrot, C., Petrus, S., Potier, A., Ramos, J., Rickman, E., Rouan, D., Salter, G., Samland, M., Schmidt, T., Sissa, E., Stolker, T., Szulagyl, J., Udry, S., Wildi, F.: New Binaries from the SHINE Survey. *Astron. Astrophys.* 663 (2022), A144.
1274. Squicciarini, V., Gratton, R., Janson, M., Mamajek, E. E., Chauvin, G., Delorme, P., Langlois, M., Vigan, A., Ringqvist, S. C., Meeus, G., Reffert, S., Kenworthy, M., Meyer, M. R., Bonnefoy, M., Bonavita, M., Mesa, D., Samland, M., Desidera, S., D’Orazi, V., Engler, N., Alecian, E., Miglio, A., Henning, Th., Quanz, S. P., Mayer, L., Flasseur, O., Marleau, G. D.: A Scaled-up Planetary System around a Supernova Progenitor. *Astron. Astrophys.* 664 (2022), A9.

1275. Neralwar, K. R., Colombo, D., Duarte-Cabral, A., Urquhart, J. S., Mattern, M., Wyrowski, F., Menten, K. M., Barnes, P., Sanchez-Monge, H., Rigby, A. J., Mazumdar, P., Eden, D., Csengeri, T., Dobbs, C. L., Veena, V. S., Neupane, S., Henning, Th., Schuller, F., Leurini, S., Wienen, M., Yang, A. Y., Ragan, S. E., Medina, S., Nguyen-Luong, Q.: The SEDIGISM Survey: Molecular Cloud Morphology. II. Integrated Source Properties. *Astron. Astrophys.* 664 (2022), A84.
1276. Desgrange, C., Chauvin, G., Christiaens, V., Cantalloube, F., Lefranc, L.-X., Le Coroller, H., Rubini, P., Otten, G. P. P. L., Beust, H., Bonavita, M., Delorme, P., Devinat, M., Gratton, R., Lagrange, A.-M., Langlois, M., Mesa, D., Milli, J., Szulágyi, J., Nowak, M., Rodet, L., Rojo, P., Petrus, S., Janson, M., Henning, Th., Kral, Q., van Holstein, R. G., Ménard, F., Beuzit, J.-L., Biller, B., Boccaletti, A., Bonnefoy, M., Brown, S., Costille, A., Delboulbe, A., Desidera, S., D’Orazi, V., Feldt, M., Fusco, T., Galicher, R., Hagelberg, J., Lazzoni, C., Ligi, R., Maire, A.-L., Messina, S., Meyer, M., Potier, A., Ramos, J., Rouan, D., Schmidt, T., Vigan, A., Zurlo, A.: In-depth Direct Imaging and Spectroscopic Characterization of the Young Solar System Analog HD 95086. *Astron. Astrophys.* 664 (2022), A139.
1277. Schlecker, M., Burn, R., Sabotta, S., Seifert, A., Henning, Th., Emsenhuber, A., Mordasini, C., Reffert, S., Shan, Y., Klahr, H.: RV-detected Planets around M-Dwarfs: Challenges for Core Accretion Models. *Astron. Astrophys.* 664 (2022), A180.
1278. Mesa, D., Bonavita, M., Benatti, S., Gratton, R., Marino, S., Kervella, P., D’Orazi, V., Desidera, S., Henning, Th., Janson, M., Langlois, M., Rickman, E., Vigan, A., Zurlo, A., Baudino, J.-L., Biller, B., Boccaletti, A., Bonnefoy, M., Brandner, W., Buenzli, E., Cantalloube, F., Fantinel, D., Fontanive, C., Galicher, R., Ginski, C., Girard, J., Hagelberg, J., Kopytova, T., Lagrange, A.-M., Lazzoni, C., Le Coroller, H., Ligi, R., Llored, M., Maire, A.-L., Mouillet, D., Perrot, C., Rochat, S., Romero, C., Rouan, D., Samland, M., Schmidt, T. O. B., Sissa, E., Wildi, F.: Constraining Masses and Separations of Unseen Companions to Five Accelerating Nearby Stars. *Astron. Astrophys.* 665 (2022), A73.
1279. Calissendorff, P., Janson, M., Rodet, L., Köhler, R., Bonnefoy, M., Brandner, W., Brown-Sevilla, S., Chauvin, G., Delorme, P., Desidera, S., Durkan, S., Fontanive, C., Gratton, R., Hagelberg, J., Henning, Th., Hippler, S., Lagrange, A.-M., Langlois, M., Lazzoni, C., Maire, A.-L., Messina, S., Meyer, M., Möller-Nilsson, O., Rabus, M., Schlieder, J., Vigan, A., Wahhaj, Z., Wildi, F., Zurlo, A.: Updated Orbital Monitoring and Dynamical Masses for Nearby M-Dwarf Binaries. *Astron. Astrophys.* 666 (2022), A16.
1280. Ulmer-Moll, S., Lendl, M., Gill, S., Villanueva, S., Hobson, M. J., Bouchy, F., Brahm, R., Dragomir, D., Grieves, N., Mordasini, C., Anderson, D. R., Acton, J. S., Bayliss, D., Bieryla, A., Burleigh, M. R., Casewell, S. L., Chaverot, G., Eig Müller, P., Feliz, D., Gaudi, B. S., Gillen, E., Goad, M. R., Gupta, A. F., Günther, M. N., Henderson, B. A., Henning, Th., Jenkins, J. S., Jones, M., Jordán, A., Kendall, A., Latham, D. W., Mireles, I., Moyano, M., Nadol, J., Osborn, H. P., Pepper, J., Pinto, M. T.,

- Psaridi, A., Queloz, D., Quinn, S., Rojas, F., Sarkis, P., Schlecker, M., Tilbrook, R. H., Torres, P., Trifonov, T., Udry, S., Vines, J. I., West, R., Wheatley, P., Yao, X., Zhao, Y., Zhou, G.: Two Long-period Transiting Exoplanets on Eccentric Orbits: NGTS-20 b (TOI-5152 b) and TOI-5153 b. *Astron. Astrophys.* 666 (2022), A46.
1281. Luque, R., Nowak, G., Hirano, T., Kossakowski, D., Pallé, E., Nixon, M. C., Morello, G., Amado, P. J., Albrecht, S. H., Caballero, J. A., Cifuentes, C., Cochran, W. D., Deeg, H. J., Dreizler, S., Esparza-Borges, E., Fukui, A., Gandolfi, D., Goffo, E., Guenther, E. W., Hatzes, A. P., Henning, Th., Kabath, P., Kawauchi, K., Korth, J., Kotani, T., Kudo, T., Kuzuhara, M., Lafarga, M., Lam, K. W. F., Livingston, J., Morales, J. C., Muresan, A., Murgas, F., Narita, N., Osborne, H. L. M., Parviainen, H., Passegger, V. M., Persson, C. M., Quirrenbach, A., Redfield, S., Reffert, S., Reiners, A., Ribas, I., Serrano, L. M., Tamura, M., Van Eylen, V., Watanabe, N., Zapatero Osorio, M. R.: Precise Mass Determination for the Keystone Sub-Neptune Planet Transiting the Mid-type M-Dwarf G 9-40. *Astron. Astrophys.* 666 (2022), A154.
1282. Smirnov-Pinchukov, G. V., Molyarova, T., Semenov, D. A., Akimkin, Vitaly V., van Terwisga, S., Francheschi, R., Henning, Th.: Machine Learning-accelerated Chemistry Modeling of Protoplanetary Disks. *Astron. Astrophys.* 666 (2022), L8.
1283. Zakhozhay, O. V., Launhardt, R., Trifonov, T., Kürster, M., Reffert, S., Henning, Th., Brahm, R., Vinés, J. I., Marleau, G.-D., Patel, J. A.: Radial Velocity Survey for Planets around Young Stars (RVSPY). A Transiting Warm Super-Jovian Planet around HD 114082, a Young Star with a Debris Disk. *Astron. Astrophys.* 667 (2022), L14.
1284. Zakhozhay, O. V., Launhardt, R., Müller, A., Brems, S. S., Eigenthaler, P., Genaro, M., Hempel, A., Hempel, M., Henning, Th., Kennedy, G. M., Kim, S., Kürster, M., Lachaume, R., Manerikar, Y., Patel, J. A., Pavlov, A., Reffert, S., Trifonov, T.: Radial Velocity Survey for Planets around Young Stars (RVSPY). Target Characterisation and High-cadence Survey. *Astron. Astrophys.* 667 (2022), A63.
1285. Eistrup, C., Henning, Th.: Chemical Evolution in Ices on Drifting, Planet-forming Pebbles. *Astron. Astrophys.* 667 (2022), A160.
1286. He, J., Perotti, G., Emtiaz, S. M., Toriello, F. E., Boogert, A., Henning, Th., Vidali, G.: Ammonia, Carbon Dioxide and the Non-detection of the 2152 cm^{-1} CO band. *Astron. Astrophys.* 668 (2022), A76.
1287. Liu, Y., Linz, H., Fang, M., Henning, Th., Wolf, S., Flock, M., Rosotti, Giovanni P., Wang, H., Li, D.: On the Underestimation of Dust Mass in Protoplanetary Disks: Effects of Disk Structure and Dust Properties. *Astron. Astrophys.* 668 (2022), A175.
1288. Saunders, N., Grunblatt, S. K., Huber, D., Collins, K. A., Jensen, E. L. N., Vanderburg, A., Brahm, R., Jordán, A., Espinoza, N., Henning, Th., Hobson, M. J., Quinn, S. N., Zhou, G., Butler, R. P., Crause, L., Kuhn, R. B., Moses Mogotsi, K., Hellier, C., Angus, R., Hattori, S., Chontos, A., Ricker, G. R., Jenkins, J. M., Tenenbaum, P., Latham, D. W., Seager, S., Vanderspek, R. K., Winn, J. N., Stockdale,

- C., Cloutier, R.: TESS Giants Transiting Giants. I.: A Noninflated Hot Jupiter Orbiting a Massive Subgiant. *Astron. J.* 163 (2022), 53.
1289. Ishikawa, H. T., Aoki, W., Hirano, T., Kotani, T., Kuzuhara, M., Omiya, M., Hori, Y., Kokubo, E., Kudo, T., Kurokawa, T., Kusakabe, N., Narita, N., Nishikawa, J., Ogihara, M., Ueda, A., Currie, T., Henning, Th., Kasagi, Y., Kolecki, J. R., Kwon, J., Machida, M. N., McElwain, M. W., Nakagawa, T., Vievard, S., Wang, J., Tamura, M., Sato, Bun'ei: Elemental Abundances of nearby M-Dwarfs Based on High-resolution Near-infrared Spectra Obtained by the Subaru/IRD Survey: Proof of Concept. *Astron. J.* 163 (2022), 72.
1290. Espinoza, N., Pallé, E., Kemmer, J., Luque, R., Caballero, J. A., Cifuentes, C., Herrero, E., Sánchez Béjar, V. J., Stock, S., Molaverdikhani, K., Morello, G., Kosakowski, D., Schlecker, M., Amado, P. J., Bluhm, P., Cortés-Contreras, M., Henning, Th., Kreidberg, L., Kürster, M., Lafarga, M., Lodieu, N., Morales, J. C., Oshagh, M., Passegger, V. M., Pavlov, A., Quirrenbach, A., Reffert, S., Reiners, A., Ribas, I., Rodríguez, E., Rodríguez López, C., Schweitzer, A., Trifonov, T., Chaturvedi, P., Dreizler, S., Jeffers, S. V., Kaminski, A., José López-González, M., Lillo-Box, J., Montes, D., Nowak, G., Pedraz, S., Vanaverbeke, S., Zapatero Osorio, M. R., Zechmeister, M., Collins, K. A., Girardin, E., Guerra, P., Naves, R., Crossfield, I. J. M., Matthews, E. C., Howell, S. B., Ciardi, D. R., Gonzales, E., Matson, R. A., Beichman, C. A., Schlieder, J. E., Barclay, T., Vezie, M., Villaseñor, J. N., Daylan, T., Mireies, I., Dragomir, D., Twicken, J. D., Jenkins, J., Winn, J. N., Latham, D., Ricker, G., Seager, S.: A Transiting, Temperate Mini-Neptune Orbiting the M-Dwarf TOI-1759 Unveiled by TESS. *Astron. J.* 163 (2022), 133.
1291. Eberhardt, J., Trifonov, T., Kürster, M., Stock, S., Henning, Th., Wollbold, A., Reffert, S., Lee, M. H., Zechmeister, M., Rodler, F., Zakhochay, O., Heeren, P., Gandolfi, D., Barragán, O., Tala Pinto, M., Wolthoff, V., Sarkis, P., Brems, S. S.: Dynamical Architecture of the HD 107148 System. *Astron. J.* 163 (2022), 198.
1292. Yee, S. W., Winn, J. N., Hartman, J. D., Rodriguez, J. E., Zhou, G., Quinn, S. N., Latham, D. W., Bieryla, A., Collins, K. A., Addison, B. C., Angelo, I., Barkaoui, K., Benni, P., Boyle, A. W., Brahm, R., Butler, R. P., Ciardi, D. R., Collins, K. I., Conti, D. M., Crane, J. D., Dai, F., Dressing, C. D., Eastman, J. D., Essack, Z., Forés-Toribio, R., Furlan, E., Gan, T., Giacalone, S., Gill, H., Girardin, E., Henning, Th., Henze, C. E., Hobson, M. J., Horner, J., Howard, A. W., Howell, S. B., Huang, C. X., Isaacson, H., Jenkins, J. M., Jensen, E. L. N., Jordán, A., Kane, S. R., Kielkopf, J. F., Lasota, S., Levine, A. M., Lubin, J., Mann, A. W., Massey, B., McLeod, K. K., Mengel, M. W., Muñoz, J. A., Murgas, F., Pallé, E., Plavchan, P., Popowicz, A., Radford, D. J., Ricker, G. R., Rowden, P., Safonov, B. S., Savel, A. B., Schwarz, R. P., Seager, S., Sefako, R., Shporer, A., Srdoc, G., Strakhov, I. S., Teske, J. K., Tinney, C. G., Tyler, D., Wittenmyer, R. A., Zhang, H., Ziegler, C.: The TESS Grand Unified Hot Jupiter Survey. I. Ten TESS Planets. *Astron. J.* 164 (2022), 70.
1293. Trifonov, T., Wollbold, A., Kürster, M., Eberhardt, J., Stock, S., Henning, Th., Ref-

- fert, S., Butler, R. P., Vogt, S. S., Reiners, A., Lee, M. H., Bitsch, B., Zechmeister, M., Rodler, F., Perdelwitz, V., Tal-Or, L., Rybizki, J., Heeren, P., Gandolfi, D., Barragán, O., Zakhozhay, O., Sarkis, P., Tala Pinto, M., Kossakowski, D., Wolthoff, V., Brems, S. S., Passegger, V. M.: A New Third Planet and the Dynamical Architecture of the HD33142 Planetary System. *Astron. J.* 164 (2022), 156.
1294. Rebollido, I., Ribas, Á., de Gregorio-Monsalvo, I., Villaver, E., Montesinos, B., Chen, C., Canovas, H., Henning, Th., Moór, A., Perrin, M., Rivière-Marichalar, P., Eiroa, C.: The Search for Gas in Debris Discs: ALMA Detection of CO Gas in HD 36546. *MNRAS* 509 (2022), 693-700.
1295. Mancini, L., Southworth, J., Naponiello, L., Basturk, O., Barbato, D., Biagiotti, F., Bruni, I., Cabona, L., D'Ago, G., Damasso, M., Erdem, A., Evans, D., Henning, Th., Ozturk, O., Ricci, D., Sozzetti, A., Tregloan-Reed, J., Yacinkaya, S.: The Ultra-Hot-Jupiter KELT-16 b: Dynamical Evolution and Atmospheric Properties. *MNRAS* 509 (2022), 1447-1464.
1296. Henshaw, J. D., Krumholz, M. R., Butterfield, N. O., Mackey, J., Ginsburg, A., Harworth, T. J., Nogueras-Lara, F., Barnes, A. T., Longmore, S. N., Bally, J., Kruijssen, J. M. D., Mills, E. A. C., Beuther, H., Walker, D. L., Battersby, C., Bulatek, A., Henning, Th., Ott, J., Soler, J. D.: A Wind-blown Bubble in the Central Molecular Zone Cloud G0.253+0.016. *MNRAS* 509 (2022), 4758-4774.
1297. Smirnov-Pinchukov, G. V., Moór, A., Semenov, D. A., Ábrahám, P., Henning, Th., Kóspál, Á., Hughes, A. M., di Folco, E.: Lack of other Molecules in CO-rich Debris Discs: Is it Primordial or Secondary Gas? *MNRAS* 510 (2022), 1448-1462.
1298. Olofsson, J., Thébault, P., Kral, Q., Bayo, A., Boccaletti, A., Godoy, N., Henning, Th., van Holstein, R. G., Maucó, K., Milli, J., Montesinos, M., Rein, H., Sefilian, A. A.: The Vertical Structure of Debris Discs and the Impact of Gas. *MNRAS* 513 (2022), 713-734.
1299. Keles, E., Mallonn, M., Kitzmann, D., Poppenhaeger, K., Hoeijmakers, H. J., Ilyin, I., Alexoudi, X., Carroll, T. A., Alvarado-Gomez, J., Ketzer, L., Bonomo, A. S., Borsa, F., Gaudi, B. S., Henning, Th., Malavolta, L., Molaverdikhani, K., Nascimbeni, V., Patience, J., Pino, L., Scandariato, G., Schlawin, E., Shkolnik, E., Sicilia, D., Sozzetti, A., Foster, M. G., Veillet, C., Wang, J., Yan, F., Strassmeier, K. G.: The PEPSI Exoplanet Transit Survey (PETS) I: Investigating the Presence of a Silicate Atmosphere on the Super-Earth 55 Cnc e. *MNRAS* 513 (2022), 1544-1556.
1300. Valtonen, M. J., Dey, L., Zola, S., Ciprini, S., Kidger, M., Pursimo, T., Gopakumar, A., Matsumoto, K., Sadakane, K., Caton, D. B., Nilsson, K., Komossa, S., Bagaglia, M., Baransky, A., Boumis, P., Boyd, D., Castro-Tirado, A. J., Debski, B., Drozd, M., Escartin Pérez, A., Fiorucci, M., Garcia, F., Gazeas, K., Ghosh, S., Godunova, V., Gomez, J. L., Gredel, R., Grupe, D., Haislip, J. B., Henning, Th., Hurst, G., Janík, J., Kouprianov, V. V., Lehto, H., Liakos, A., Mathur, S., Mugrauer, M., Naves Nogues, R., Nucciarelli, G., Ogloza, W., Ojha, D. K., Pajdosz-Śmierciak, U., Pascolini, S., Poyner, G., Reichart, D. E., Rizzi, N., Roncella, F., Sahu, D. K.,

- Sillanpää, A., Simon, A., Siwak, M., Soldán Alfaro, F. C., Sonbas, E., Tosti, G., Vasylenko, V., Webb, J. R., Zielinski, P.: Host Galaxy Magnitude of OJ 287 from its Volours at Minimum Light. *MNRAS* 514 (2022), 3017-3023.
1301. Radica, M., Artigau, É., Lafrenière, D., Cadieux, C., Cook, N. J., Doyon, R., Amado, P. J., Caballero, J. A., Henning, Th., Quirrenbach, A., Reiners, A., Ribas, I.: Re-visiting Radial Velocity Measurements of the K2-18 System with the Line-by-Line Framework. *MNRAS* 517 (2022), 5050-5062.
1302. Potapov, A., Fulvio, D., Krasnokutski, S., Jäger, C., Henning, Th.: Formation of Complex Organic and Prebiotic Molecules in H₂O:NH₃:CO₂ Ices at Temperatures Relevant to Hot Cores, Protostellar Envelopes, and Planet-Forming Disks. *The Journal of Physical Chemistry A*, 126 (2022), 1627-1639.
1303. Jorquera, S., Bonnefoy, M., Betti, S., Chauvin, G., Buenzli, E., Pérez, L. M., Follette, K. B., Hinz, P. M., Boccaletti, A., Bailey, V., Biller, B., Defrère, D., Eisner, J., Henning, Th., Klahr, H., Leisenring, J., Olofsson, J., Schlieder, J. E., Skemer, A. J., Skrutskie, M. F., Van Boekel, R.: LBT Search for Companions and Sub-structures in the (Pre)Transitional Disk of AB Aurigae. *Astrophys. J.* 926 (2022), 71.
1304. Pearce, B. K. D., Molaverdikhani, K., Pudritz, R. E., Henning, Th., Cerrillo, K. E.: Toward RNA Life on Early Earth: From Atmospheric HCN to Biomolecule Production in Warm Little Ponds. *Astrophys. J.* 932 (2022), 9.
1305. Mollière, P., Molyarova, T., Bitsch, B., Henning, Th., Schneider, A., Kreidberg, L., Eistrup, C., Burn, R., Nasedkin, E., Semenov, D., Mordasini, C., Schlecker, M., Schwarz, K. R., Lacour, S., Nowak, M., Schulik, M.: Interpreting the Atmospheric Composition of Exoplanets: Sensitivity to Planet Formation Assumptions. *Astrophys. J.* 934 (2022), 74.
1306. Potapov, A., Elisabetta Palumbo, M., Dionnet, Z., Longobardo, A., Jäger, C., Baratta, G., Rotundi, A., Henning, Th.: Exploring Refractory Organics in Extraterrestrial Particles. *Astrophys. J.* 935 (2022), 158.
1307. Harakawa, H., Takarada, T., Kasagi, Y., Hirano, T., Kotani, T., Kuzuhara, M., Omiya, M., Kawahara, H., Fukui, A., Hori, Y., Ishikawa, H. T., Ogihara, M., Livingston, J., Brandt, T. D., Currie, T., Aoki, W., Beichman, C. A., Henning, Th., Hodapp, K., Ishizuka, M., Izumiura, H., Jacobson, S., Janson, M., Kambe, E., Kodama, T., Kokubo, E., Konishi, M., Krishnamurthy, V., Kudo, T., Kurokawa, T., Kusakabe, N., Kwon, J., Matsumoto, Y., McElwain, M. W., Mitsui, K., Nakagawa, T., Narita, N., Nishikawa, J., Nugroho, S. K., Serabyn, E., Serizawa, T., Takahashi, A., Ueda, A., Uyama, T., Vievard, S., Wang, J., Wisniewski, J., Tamura, M., Sato, Bun'ei: A Super-Earth Orbiting Near the Inner Edge of the Habitable Zone around the M4.5-Dwarf Ross 508. *PASJ* 74 (2022), 4.
1308. Hinkley, S., Carter, A. L., Ray, S., Skemer, A., Biller, B., Choquet, E., Millar-Blanchaer, M. A., Sallum, S., Miles, B., Whiteford, N., Patapis, P., Perrin, M., Pueyo, L., Schneider, G., Stapelfeldt, K., Wang, J., Ward-Duong, K., Bowler, B. P.,

- Boccaletti, A., Girard, J., Hines, D., Kalas, P., Kammerer, J., Kervella, P., Leisenring, J., Pantin, E., Zhou, Y., Meyer, M., Liu, M. C., Bonnefoy, M., Currie, T., McElwain, M., Metchev, S., Wyatt, M., Absil, O., Adams, J., Barman, T., Baraffe, I., Bonavita, M., Booth, M., Bryan, M., Chauvin, G., Chen, C., Danielski, C., De Furio, M., Factor, S. M., Fortney, J. J., Grady, C., Greenbaum, A., Henning, Th., Janson, M., Kennedy, G., Kenworthy, M., Kraus, A., Kuzuhara, M., Lagage, P.-O., Lagrange, A.-M., Launhardt, R., Lazzoni, C., Lloyd, J., Marino, S., Marley, M., Martinez, R., Marois, C., Matthews, B., Matthews, E. C., Mawet, D., Phillips, M., Petrus, S., Quanz, S. P., Quirrenbach, A., Rameau, J., Rebollido, I., Rickman, E., Samland, M., Sargent, B., Schlieder, J. E., Sivaramakrishnan, A., Stone, J., Tamura, M., Tremblin, P., Uyama, T., Vasist, M., Vigan, A., Wagner, K., Ygouf, M.: The JWST Early Release Science Program for the Direct Imaging and Spectroscopy of Exoplanetary Systems. *PASP* 134 (2022), 1039.
1309. Janson, M., Henning, Th., Quanz, S. P., Asensio-Torres, R., Buchhave, L., Krause, O., Pallé, E., Brandeker, A.: Occulter to Earth: Prospects for Studying Earth-like Planets with the E-ELT and a Space-based Occulter. *Experimental Astronomy* 54 (2022), 1223-1236.
1310. Snellen, I. A. G., Snik, F., Kenworthy, M., Albrecht, S., Anglada-Escudé, G., Baraffe, I., Baudoz, P., Benz, W., Beuzit, J.-L., Biller, B., Birkby, J. L., Boccaletti, A., van Boekel, R., de Boer, J., Brogi, M., Buchhave, L., Carone, L., Claire, M., Claudi, R., Demory, B.-O., Désert, J.-M., Desidera, S., Gaudi, B. S., Gratton, R., Gillon, M., Grenfell, J. L., Guyon, O., Henning, Th., Hinkley, S., Huby, E., Janson, M., Helling, C., Heng, K., Kasper, M., Keller, C. U., Krause, O., Kreidberg, L., Madhusudhan, N., Lagrange, A.-M., Launhardt, R., Lenton, T. M., Lopez-Puertas, M., Maire, A.-L., Mayne, N., Meadows, V., Mennesson, B., Micela, G., Miguel, Y., Milli, J., Min, M., de Mooij, E., Mouillet, D., N'Diaye, M., D'Orazi, V., Pallé, E., Pagano, I., Piotto, G., Queloz, D., Rauer, H., Ribas, I., Ruane, G., Selsis, F., Sozzetti, A., Stam, D., Stark, C. C., Vigan, A., de Visser, P.: Detecting Life Outside our Solar System with a Large High-Contrast-Imaging Mission. *Experimental Astronomy* 54 (2022), 1237-1274.
1311. Barstow, M. A., Aigrain, S., Barstow, J. K., Barthelémy, M., Biller, B., Bonanos, A., Buchhave, L., Casewell, S. L., Charbonnel, C., Charlot, S., Davies, R., Devaney, N., Evans, C., Ferrari, M., Fossati, L., Gänsicke, B., Garcia, M., de Castro, A. I. G., Henning, Th., Lintott, C., Knigge, C., Neiner, C., Rossi, L., Snodgrass, C., Stam, D., Tolstoy, E., Tosi, M.: The Search for Living Worlds and the Connection to our Cosmic Origins. *Experimental Astronomy* 54 (2022), 1275-1306.
1312. Paschek, K., Kohler, K., Pearce, B. K. D., Lange, K., Henning, Th., Trapp, O., Pudritz, R. E., Semenov, D. A.: Possible Ribose Synthesis in Carbonaceous Planetsimals. *Life* 12 (2022), 3.
1313. Cugno, G., Pearce, T. D., Launhardt, R., Bonse, M. J., Ma, J., Henning, Th., Quirrenbach, A., Ségransan, D., Matthews, E. C., Quanz, S. P., Kennedy, G. M., Müller, A., Reffert, S., Rickman, E. L.: ISPY: NACO Imaging Survey for Planets around

Young Stars. The Demographics of Forming Planets Embedded in Protoplanetary Disks. *Astron. Astrophys.* 669 (2023), A145.

1314. Flores-Rivera, L., Flock, M., Kurtovic, N. T., Husemann, B., Banzatti, A., Ringqvist, S. C., Kamann, S., Müller, A., Fendt, C., García Lopez, R., Marleau, G.-D., Henning, Th., Carrasco-González, C., van Boekel, R., Keppler, M., Launhardt, R., Aoyama, Y.: Forbidden Emission Lines in Protostellar Outflows and Jets with MUSE. *Astron. Astrophys.* 670 (2023), A126.
1315. Franceschi, R., Birnstiel, T., Henning, Th., Sharma, A.: Constraining the Turbulence and the Dust Disk in IM Lup: Onset of Planetesimal Formation. *Astron. Astrophys.* 671 (2023), A125.
1316. GRAVITY Collaboration, Straub, O., Bauböck, M., Abuter, R., Aimar, N., Amaro Seoane, P., Amorim, A., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eisenhauer, F., Förster Schreiber, N. M., Foschi, A., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrière, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Widmann, F., Wiegprecht, E., Wiezorek, E., Woillez, J., Yazici, S.: Where Intermediate-mass Black Holes Could Hide in the Galactic Centre. A Full Parameter Study with the S2 Orbit. *Astron. Astrophys.* 672 (2023), A63.
1317. Pozuelos, F. J., Timmermans, M., Rackham, B. V., Garcia, L. J., Burgasser, A. J., Kane, S. R., Günther, M. N., Stassun, K. G., Van Grootel, V., Dévora-Pajares, M., Luque, R., Edwards, B., Niraula, P., Schanche, N., Wells, R. D., Ducrot, E., Howell, S., Sebastian, D., Barkaoui, K., Waalkes, W., Cadieux, C., Doyon, R., Boyle, R. P., Dietrich, J., Burdanov, A., Delrez, L., Demory, B.-O., de Wit, J., Dransfield, G., Gillon, M., Gómez Maqueo Chew, Y., Hooton, M. J., Jehin, E., Murray, C. A., Pedersen, P. P., Queloz, D., Thompson, S. J., Triaud, A. H. M. J., Zúñiga-Fernández, S., Collins, K. A., Fausnaugh, M. M., Hedges, C., Hesse, K. M., Jenkins, J. M., Kunimoto, M., Latham, D. W., Shporer, A., Ting, E. B., Torres, G., Amado, P., Rodón, J. R., Rodríguez-López, C., Suárez, J. C., Alonso, R., Benkhaldoun, Z., Berta-Thompson, Z. K., Chinchilla, P., Ghachoui, M., Gómez-Muñoz, M. A., Rebolo, R., Sabin, L., Schroffenegger, U., Furlan, E., Gnilka, C., Lester, K., Scott, N., Aganze, C., Gerasimov, R., Hsu, C., Theissen, C., Apai, D., Chen, W. P., Gabor, P., Henning, Th., Mancini, L.: A Super-Earth and a Mini-Neptune near the 2:1 MMR Straddling the Radius Valley around the Nearby mid-M Dwarf TOI-2096. *Astron. Astrophys.* 672 (2023), A70.
1318. Beuther, H., van Dishoeck, E. F., Tychoniec, L., Gieser, C., Kavanagh, P. J., Perotti, G., van Gelder, M. L., Klaassen, P., Caratti o Garatti, A., Francis, L., Rocha, W. R. M., Slavicinska, K., Ray, T., Justtanont, K., Linnartz, H., Waelkens, C.,

- Colina, L., Greve, T., Güdel, M., Henning, Th., Lagage, P.-O., Vandenbussche, B., Östlin, G., Wright, G.: JWST Observations of Young protoStars (JOYS). Outflows and Accretion in the High-mass Star-forming Region IRAS 23385+6053. *Astron. Astrophys.* 673 (2023), A121.
1319. Viswanath, G., Janson, M., Gratton, R., Squicciarini, V., Rodet, L., Ringqvist, S. C., Mamajek, E. E., Reffert, S., Chauvin, G., Delorme, P., Vigan, A., Bonnefoy, M., Engler, N., Desidera, S., Henning, Th., Hagelberg, J., Langlois, M., Meyer, M.: BEAST Detection of a Brown Dwarf and a Low-mass Stellar Companion around the Young Bright B Star HIP 81208. *Astron. Astrophys.* 675 (2023), A54.
1320. Ge, Y., Wang, K., Duarte-Cabral, A., Pettitt, A. R., Dobbs, C. L., Sánchez-Monge, Á., Neralwar, K. R., Urquhart, J. S., Colombo, D., Durán-Camacho, E., Beuther, H., Bronfman, L., Rigby, A. J., Eden, D., Neupane, S., Barnes, P., Henning, Th., Yang, A. Y.: Large-scale Velocity-coherent Filaments in the SEDIGISM Survey: Association with Spiral Arms and Fraction of Dense Gas. *Astron. Astrophys.* 675 (2023), A119.
1321. Chomez, A., Squicciarini, V., Lagrange, A.-M., Delorme, P., Viswanath, G., Janson, M., Flasseur, O., Chauvin, G., Langlois, M., Rubini, P., Bergeon, S., Albert, D., Bonnefoy, M., Desidera, S., Engler, N., Gratton, R., Henning, Th., Mamajek, E. E., Marleau, G.-D., Meyer, M. R., Reffert, S., Ringqvist, S. C., Samland, M.: An Imaged 15 M_{Jup} Companion within a Hierarchical Quadruple System. *Astron. Astrophys.* 676 (2023), L10.
1322. Orell-Miquel, J., Lampón, M., López-Puertas, M., Mallorquín, M., Murgas, F., Peláez-Torres, A., Pallé, E., Esparza-Borge, E., Sanz-Forcada, J., Tabernero, H. M., Nortmann, L., Nagel, E., Parviainen, H., Zapatero Osorio, M. R., Caballero, J. A., Czesla, S., Cifuentes, C., Morello, G., Quirrenbach, A., Amado, P. J., Fernández-Martín, A., Fukui, A., Henning, Th., Kawauchi, K., de Leon, J. P., Molaverdikhani, K., Montes, D., Narita, N., Reinert, A., Ribas, I., Sánchez-López, A., Schweitzer, A., Stangret, M., Yan, F.: Confirmation of an He I Evaporating Atmosphere around the 650-Myr-old Sub-Neptune HD235088 b (TOI-1430 b) with CARMENES. *Astron. Astrophys.* 677 (2023), A56.
1323. Ahmadi, A., Beuther, H., Bosco, F., Gieser, C., Suri, S., Mottram, J. C., Kuiper, R., Henning, Th., Sánchez-Monge, Á., Linz, H., Pudritz, R. E., Semenov, D., Winters, J. M., Müller, T., Beltrán, M. T., Csengeri, T., Galván-Madrid, R., Johnston, K. G., Keto, E., Klaassen, P. D., Leurini, S., Longmore, S. N., Lumsden, S. L., Maud, L. T., Moscadelli, L., Palau, A., Peters, T., Ragan, S. E., Urquhart, J. S., Zhang, Q., Zinnecker, H.: Kinematics and Stability of High-mass Protostellar Disk Candidates at Sub-arcsecond Resolution. Insights from the IRAM NOEMA Large Programme CORE. *Astron. Astrophys.* 677 (2023), A171.
1324. Mah, J., Bitsch, B., Pascucci, I., Henning, Th.: Close-in Ice Lines and the Super-stellar C/O Ratio in Discs around Very Low-mass Stars. *Astron. Astrophys.* 677 (2023), L7.

1325. GRAVITY Collaboration, Abuter, R., Aymar, N., Amaro Seoane, P., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eckart, A., Eisenhauer, F., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Foschi, A., Garcia, P., Gao, F., Gelles, Z., Gendron, E., Genzel, R., Gillessen, S., Hartl, M., Haubois, X., Haussmann, F., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., More, N., Ott, T., Paumard, T., Perraut, K., Perin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Widmann, F., Wielgus, M., Wieprecht, E., Wiezorrek, E., Woillez, J.: Polarimetry and Astrometry of NIR Flares as Event Horizon Scale, Dynamical Probes for the Mass of Sgr A*. *Astron. Astrophys.* 677 (2023), L10.
1326. Isbell, J. W., Pott, J.-U., Meisenheimer, K., Stalevski, M., Tristram, K. R. W., Leftley, J., Asmus, D., Weigelt, G., Gámez Rosas, V., Petrov, R., Jaffe, W., Hofmann, K.-H., Henning, Th., Lopez, B.: The Dusty Heart of Circinus. II. Scrutinizing the LM-band Dust Morphology Using MATISSE. *Astron. Astrophys.* 678 (2023), A136.
1327. Gasman, D., van Dishoeck, E. F., Grant, S. L., Temmink, M., Tabone, B., Henning, Th., Kamp, I., Güdel, M., Lagage, P.-O., Perotti, G., Christiaens, V., Samland, M., Arabhavi, A. M., Argyriou, I., Abergel, A., Absil, O., Barrado, D., Boccaletti, A., Bouwman, J., Caratti o Garatti, A., Geers, V., Glauser, A. M., Guadarrama, R., Jang, H., Kanwar, J., Lahuis, F., Morales-Calderón, M., Mueller, M., Nehmé, C., Olofsson, G., Pantin, É., Pawellek, N., Ray, T. P., Rodgers-Lee, D., Scheithauer, S., Schreiber, J., Schwarz, K., Vandenbussche, B., Vlasblom, M., Waters, R. L. B. F. M., Wright, G., Colina, L., Greve, T. R., Östlin, G.: MINDS. Abundant Water and Varying C/O Across the Disk of Sz 98 as Seen by JWST/MIRI. *Astron. Astrophys.* 679 (2023), A117.
1328. EDEN Project, Dietrich, J., Apai, D., Schlecker, M., Hardegree-Ullman, K. K., Rackham, B. V., Kurtovic, N., Molaverdikhani, K., Gabor, P., Henning, Th., Chen, W.-P., Mancini, L., Bixel, A., Gibbs, A., Boyle, R. P., Brown-Sevilla, S., Burn, R., Delage, T. N., Flores-Rivera, L., Franceschi, R., Pichierri, G., Savvidou, S., Syed, J., Bruni, I., Ip, W.-H., Ngeow, C.-C., Tsai, A.-L., Lin, C.-L., Hou, W.-J., Hsiao, H.-Y., Lin, C.-S., Lin, H.-C., Basant, R.: EDEN Survey: Small Transiting Planet Detection Limits and Constraints on the Occurrence Rates of Planets around Late-M Dwarfs within 15 pc. *Astron. J.* 165 (2023), 149.
1329. Johnson, M. C., Wang, J., Pai Asnodkar, A., Bonomo, A. S., Gaudi, B. S., Henning, Th., Ilyin, I., Keles, E., Malavolta, L., Mallonn, M., Molaverdikhani, K., Nascimbeni, V., Patience, J., Poppenhaeger, K., Scandariato, G., Schlawin, E., Shkolnik, E., Sicilia, D., Sozzetti, A., Strassmeier, K. G., Veillet, C., Yan, F.: The PEPSI-LBT Exoplanet Transit Survey (PETS). II. A Deep Search for Thermal Inversion Agents in KELT-20 b/MASCARA-2 b with Emission and Transmission Spectroscopy. *Astron. J.* 165 (2023), 157.

1330. Uyama, T., Beichman, C., Kuzuhara, M., Janson, M., Kotani, T., Mawet, D., Sato, B., Tamura, M., Ishikawa, H. T., Cale, B., Currie, T., Harakawa, H., Henning, Th., Hirano, T., Hodapp, K., Hori, Y., Ishizuka, M., Jacobson, S., Kasagi, Y., Kokubo, E., Konishi, M., Kudo, T., Kurokawa, T., Kusakabe, N., Kwon, J., Machida, M., Nakagawa, T., Narita, N., Nishikawa, J., Ogiwara, M., Omiya, M., Serizawa, T., Ueda, A., Vievard, S., Wang, J.: Direct Imaging Explorations for Companions around Mid-Late M Stars from the Subaru/IRD Strategic Program. *Astron. J.* 165 (2023), 162.
1331. Trifonov, T., Brahm, R., Jordán, A., Hartogh, C., Henning, Th., Hobson, M. J., Schlecker, M., Howard, S., Reichardt, F., Espinoza, N., Lee, M. H., Nesvorny, D., Rojas, F. I., Barkaoui, K., Kossakowski, D., Boyle, G., Dreizler, S., Kürster, M., Heller, R., Guillot, T., Triaud, A. H. M. J., Abe, L., Agabi, A., Bendjoya, P., Crouzet, N., Dransfield, G., Gasparetto, T., Günther, M. N., Marie-Sainte, W., Mékarnia, D., Suarez, O., Teske, J., Butler, R. P., Crane, J. D., Shtetman, S., Ricker, G. R., Shporer, A., Vanderspek, R., Jenkins, J. M., Wohler, B., Collins, K. A., Collins, K. I., Ciardi, D. R., Barclay, T., Mireles, I., Seager, S., Winn, J. N.: TOI-2525 b and c: A Pair of Massive Warm Giant Planets with Strong Transit Timing Variations Revealed by TESS. *Astron. J.* 165 (2023), 179.
1332. Brahm, R., Ulmer-Moll, S., Hobson, M. J., Jordán, A., Henning, Th., Trifonov, T., Jones, M. I., Schlecker, M., Espinoza, N., Rojas, F. I., Torres, P., Sarkis, P., Tala, M., Eberhardt, J., Kossakowski, D., Muñoz, D. J., Hartman, J. D., Boyle, G., Suc, V., Bouchy, F., Deline, A., Chaverot, G., Grieves, N., Lendl, M., Suarez, O., Guillot, T., Triaud, A. H. M. J., Crouzet, N., Dransfield, G., Cloutier, R., Barkaoui, K., Schwarz, R. P., Stockdale, C., Harris, M., Mireles, I., Evans, P., Mann, A. W., Ziegler, C., Dragomir, D., Villanueva, S., Mordasini, C., Ricker, G., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Vezie, M., Youngblood, A., Daylan, T., Collins, K. A., Caldwell, D. A., Ciardi, D. R., Pallé, E., Murgas, F.: Three Long-period Transiting Giant Planets from TESS. *Astron. J.* 165 (2023), 227.
1333. Hobson, M. J., Trifonov, T., Henning, Th., Jordán, A., Rojas, F., Espinoza, N., Brahm, R., Eberhardt, J., Jones, M. I., Mekarnia, D., Kossakowski, D., Schlecker, M., Tala P., Marcelo, Torres Miranda, P. J., Abe, L., Barkaoui, K., Bendjoya, P., Bouchy, F., Buttu, M., Carleo, I., Collins, K. A., Colón, K. D., Crouzet, N., Dragomir, D., Dransfield, G., Gasparetto, T., Goeke, R. F., Guillot, T., Günther, M. N., Howard, S., Jenkins, J. M., Korth, J., Latham, D. W., Lendl, M., Lissauer, J. J., Mann, C. R., Mireles, I., Ricker, G. R., Saesen, S., Schwarz, R. P., Seager, S., Sefako, R., Shporer, A., Stockdale, C., Suarez, O., Tan, T.-G., J. Triaud, A. H. M., Ulmer-Moll, S., Vanderspek, R., Winn, J. N., Wohler, B., Zhou, G.: TOI-199 b: A Well-characterized 100 day Transiting Warm Giant Planet with TTVs Seen from Antarctica. *Astron. J.* 166 (2023), 201.
1334. Eberhardt, J., Hobson, M. J., Henning, Th., Trifonov, T., Brahm, R., Espinoza, N., Jordán, A., Thorngren, D., Burn, R., Rojas, F. I., Sarkis, P., Schlecker, M., Tala Pinto, M., Barkaoui, K., Schwarz, R. P., Suarez, O., Guillot, T., Triaud, A. H. M. J., Günther, M. N., Abe, L., Boyle, G., Leiva, R., Suc, V., Evans, P., Dunckel, N.,

- Ziegler, C., Falk, B., Fong, W., Rudat, A., Shporer, A., Striegel, S., Watanabe, D., Jenkins, J. M., Seager, S., Winn, J. N.: Three Warm Jupiters around Solar-analog Stars Detected with TESS. *Astron. J.* 166 (2023), 271.
1335. Paschek, K., Semenov, D. A., Pearce, B. K. D., Lange, K., Henning, Th., Pudritz, R. E.: Meteorites and the RNA World II: Synthesis of Nucleobases in Carbonaceous Planetesimals and the Role of Initial Volatile Content. *Astrophys. J.* 942 (2023), 50.
1336. Cruz-Sáenz de Miera, F., Kóspál, Á., Ábrahám, P., Csengeri, T., Fehér, O., Güsten, R., Henning, Th.: An APEX Study of Molecular Outflows in FUor-type Stars. *Astrophys. J.* 945 (2023), 80.
1337. Kóspál, Á., Ábrahám, P., Diehl, L., Banzatti, A., Bouwman, J., Chen, L., Cruz-Sáenz de Miera, F., Green, J. D., Henning, Th., Rab, C.: JWST/MIRI Spectroscopy of the Disk of the Young Eruptive Star EX Lup in Quiescence. *Astrophys. J.* 945 (2023), L7.
1338. Miles, B. E., Biller, B. A., Patapis, P., Worthen, K., Rickman, E., Hoch, K. K. W., Skemer, A., Perrin, M. D., Chen, C. H., Mukherjee, S., Morley, C. V., Moran, S. E., Bonnefoy, M., Petrus, S., Carter, A. L., Choquet, E., Hinkley, S., Ward-Duong, K., Leisenring, J. M., Millar-Blanchaer, M. A., Pueyo, L., Ray, S., Stapelfeldt, K. R., Stone, J. M., Wang, J. J., Absil, O., Balmer, W. O., Boccaletti, A., Bonavita, M., Booth, M., Bowler, B. P., Chauvin, G., Christiaens, V., Currie, T., Danielski, C., Fortney, J. J., Girard, J. H., Greenbaum, A. Z., Henning, Th., Hines, D. C., Janson, M., Kalas, P., Kammerer, J., Kenworthy, M. A., Kervella, P., Lagage, P.-O., Lew, B. W. P., Liu, M. C., Macintosh, B., Marino, S., Marley, M. S., Marois, C., Matthews, E. C., Matthews, B. C., Mawet, D., McElwain, M. W., Metchev, S., Meyer, M. R., Molliere, P., Pantin, E., Rebollido, I., Quirrenbach, A., Ren, B. B., Vasist, M., Wyatt, M. C., Zhou, Y., Briesemeister, Z. W., Bryan, M. L., Calissendorff, P., Catallobe, F., Cugno, G., De Furio, M., Dupuy, T. J., Factor, S. M., Faherty, J. K., Fitzgerald, M. P., Franson, K., Gonzales, E. C., Hood, C. E., Howe, A. R., Kraus, A. L., Kuzuhara, M., Lawson, K., Lazzoni, C., Liu, P., Llop-Sayson, J., Lloyd, J. P., Martinez, R. A., Mazoyer, J., Quanz, S. P., Adams Redai, J., Samland, M., Schlieder, J. E., Tamura, M., Tan, X., Uyama, T., Vigan, A., Vos, J. M., Wagner, K., Wolff, S. G., Ygouf, M., Zhang, K., Zhang, Z.: The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems II: A 1 to 20 Micron Spectrum of the Planetary-Mass Companion VHS 1256-1257 b. *Astrophys. J.* 946 (2023), L6.
1339. Bozhilov, V., Antonova, D., Hobson, M. J., Brahm, R., Jordán, A., Henning, Th., Eberhardt, J., Rojas, F. I., Batygin, K., Torres-Miranda, P., Stassun, K. G., Millholland, S. C., Stoeva, D., Minev, M., Espinoza, N., Ricker, G. R., Latham, D. W., Dragomir, D., Kunimoto, M., Jenkins, J. M., Ting, E. B., Seager, S., Winn, J. N., Villaseñor, J. N., Bouma, L. G., Medina, J., Trifonov, T.: A 2:1 Mean-motion Resonance Super-Jovian Pair Revealed by TESS, FEROS, and HARPS. *Astrophys. J.* 946 (2023), L36.
1340. Grant, S. L., van Dishoeck, E. F., Tabone, B., Gasman, D., Henning, Th., Kamp, I., Güdel, M., Lagage, P.-O., Bettoni, G., Perotti, G., Christiaens, V., Samland, M.,

- Arabhavi, A. M., Argyriou, I., Abergel, A., Absil, O., Barrado, D., Boccaletti, A., Bouwman, J., Caratti o Garatti, A., Geers, V., Glauser, A. M., Guadarrama, R., Jang, H., Kanwar, J., Lahuis, F., Morales-Calderón, M., Mueller, M., Nehmé, C., Olofsson, G., Pantin, E., Pawellek, N., Ray, T. P., Rodgers-Lee, D., Scheithauer, S., Schreiber, J., Schwarz, K., Temmink, M., Vandenbussche, B., Vlasblom, M., Waters, L. B. F. M., Wright, G., Colina, L., Greve, T. R., Justannont, K., Östlin, G.: MINDS. The Detection of $^{13}\text{CO}_2$ with JWST-MIRI Indicates Abundant CO_2 in a Protoplanetary Disk. *Astrophys. J.* 947 (2023), L6.
1341. Prez-González, P. G., Costantin, L., Langeroodi, D., Rinaldi, P., Annunziatella, M., Ilbert, O., Colina, L., Nørgaard-Nielsen, H. U., Greve, T. R., Östlin, G., Wright, G., Alonso-Herrero, A., Álvarez-Márquez, J., Caputi, K. I., Eckart, A., Le Fèvre, O., Labiano, Á., García-Marín, M., Hjorth, J., Kendrew, S., Pye, J. P., Tikkanen, T., van der Werf, P., Walter, F., Ward, M., Bik, A., Boogaard, L., Bosman, S. E. I., Gómez, A. C., Gillman, S., Iani, E., Jermann, I., Melinder, J., Meyer, R. A., Moutard, T., van Dishoek, E., Henning, Th., Lagage, P.-O., Guedel, M., Peissker, F., Ray, T., Vandenbussche, B., García-Argumánez, Á., María Mérida, R.: Life Beyond 30: Probing the $-20 < M_{UV} < -17$ Luminosity Function at $8 < z < 13$ with the NIRCам Parallel Field of the MIRI Deep Survey. *Astrophys. J.* 951 (2023), L1.
1342. Carter, A. L., Hinkley, S., Kammerer, J., Skemer, A., Biller, B. A., Leisenring, J. M., Millar-Blanchaer, M. A., Petrus, S., Stone, J. M., Ward-Duong, K., Wang, J. J., Girard, J. H., Hines, D. C., Perrin, M. D., Pueyo, L., Balmer, W. O., Bonavita, M., Bonnefoy, M., Chauvin, G., Choquet, E., Christiaens, V., Danielski, C., Kennedy, G. M., Matthews, E. C., Miles, B. E., Patapis, P., Ray, S., Rickman, E., Sallum, S., Stapelfeldt, K. R., Whiteford, N., Zhou, Y., Absil, O., Boccaletti, A., Booth, M., Bowler, B. P., Chen, C. H., Currie, T., Fortney, J. J., Grady, C. A., Greenbaum, A. Z., Henning, Th., Hoch, K. K. W., Janson, M., Kalas, P., Kenworthy, M. A., Kervella, P., Kraus, A. L., Lagage, P.-O., Liu, M. C., Macintosh, B., Marino, S., Marley, M. S., Marois, C., Matthews, B. C., Mawet, D., McElwain, M. W., Metchev, S., Meyer, M. R., Molliere, P., Moran, S. E., Morley, C. V., Mukherjee, S., Pantin, E., Quirrenbach, A., Rebollido, I., Ren, B. B., Schneider, G., Vasist, M., Worthen, K., Wyatt, M. C., Briesemeister, Z. W., Bryan, M. L., Calissendorff, P., Cantalloube, F., Cugno, G., De Furio, M., Dupuy, T. J., Factor, S. M., Faherty, J. K., Fitzgerald, M. P., Franson, K., Gonzales, E. C., Hood, C. E., Howe, A. R., Kuzuhara, M., Lagrange, A.-M., Lawson, K., Lazzoni, C., Lew, B. W. P., Liu, P., Llop-Sayson, J., Lloyd, J. P., Martinez, R. A., Mazoyer, J., Quanz, S. P., Adams Redai, J., Samland, M., Schlieder, J. E., Tamura, M., Tan, X., Uyama, T., Vigan, A., Vos, J. M., Wagner, K., Wolff, S. G., Ygouf, M., Zhang, X., Zhang, K., Zhang, Z.: The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems I: High Contrast Imaging of the Exoplanet HIP 65426 b from 2-16 μm . *Astrophys. J.* 951 (2023), L20.
1343. Cataldi, G., Aikawa, Y., Iwasaki, K., Marino, S., Brandeker, A., Hales, A., Henning, Th., Higuchi, A. E., Hughes, A. M., Janson, M., Kral, Q., Matrà, L., Moór, A., Olofsson, G., Redfield, S., Roberge, A.: Primordial or Secondary? Testing Models

of Debris Disk Gas with ALMA. *Astrophys. J.* 951 (2023), 111.

1344. Potapov, A., Semenov, D., Jäger, C., Henning, Th.: Formation of CO₂ Driven by Photochemistry of Water Ice Mixed with Carbon Grains. *Astrophys. J.* 954 (2023), 111.
1345. Herczeg, G. J., Chen, Y., Donati, J.-F., Dupree, A. K., Walter, F. M., Hillenbrand, L. A., Johns-Krull, C. M., Manara, C. F., Günther, H. M., Fang, M., Schneider, P. C., Valenti, J. A., Alencar, S. H. P., Venuti, L., Alcalá, J. M., Frasca, A., Arulanantham, N., Linsky, J. L., Bouvier, J., Brickhouse, N. S., Calvet, N., Espaillat, C. C., Campbell-White, J., Carpenter, J. M., Chang, S.-J., Cruz, K. L., Dahm, S. E., Eisloffel, J., Edwards, S., Fischer, W. J., Guo, Z., Henning, Th., Ji, T., Jose, J., Kastner, J. H., Launhardt, R., Principe, D. A., Robinson, C. E., Serna, J., Siwak, M., Sterzik, M. F., Takasao, S.: Twenty-five Years of Accretion onto the Classical T Tauri Star TW Hya. *Astrophys. J.* 956 (2023), 102.
1346. Ramírez-Tannus, M. C., Bik, A., Cuijpers, L., Waters, R., Göppl, C., Henning, Th., Kamp, I., Preibisch, T., Getman, K. V., Chaparro, G., Cuartas-Restrepo, P., de Koter, A., Feigelson, E. D., Grant, S. L., Haworth, T. J., Hernández, S., Kuhn, M. A., Perotti, G., Povich, M. S., Reiter, M., Roccatagliata, V., Sabbi, E., Tabone, B., Winter, A. J., McLeod, A. F., van Boekel, R., van Terwisga, S. E.: XUE: Molecular Inventory in the Inner Region of an Extremely Irradiated Protoplanetary Disk. *Astrophys. J.* 958 (2023), L30.
1347. Jones, O. C., Kavanagh, P. J., Barlow, M. J., Temim, T., Fransson, C., Larsson, J., Blommaert, J. A. D. L., Meixner, M., Lau, R. M., Sargent, B., Bouchet, P., Hjorth, J., Wright, G. S., Coulais, A., Fox, O. D., Gastaud, R., Glasse, A., Habel, N., Hirschauer, A. S., Jaspers, J., Krause, O., Lenkić, Nayak, O., Rest, A., Tikkanen, T., Wesson, R., Colina, L., van Dishoeck, E. F., Güdel, M., Henning, Th., Lagage, P.-O., Östlin, G., Ray, T. P., Vandenbussche, B.: Ejecta, Rings, and Dust in SN 1987A with JWST MIRI/MRS. *Astrophys. J.* 958 (2023), 95.
1348. Paschek, K., Lee, M., Semenov, D. A., Henning, Th.: Prebiotic Vitamin B₃ Synthesis in Carbonaceous Planetesimals. *ChemPlusChem.* 89 (2023), 202300508.
1349. Kamp, I., Henning, Th., Arabhavi, A. M., Bettoni, G., Christiaens, V., Gasman, D., Grant, S. L., Morales-Calderón, M., Tabone, B., Abergel, A., Absil, O., Argyriou, I., Barrado, D., Boccaletti, A., Bouwman, J., Caratti o Garatti, A., van Dishoeck, E. F., Geers, V., Glauser, A. M., Güdel, M., Guadarrama, R., Jang, H., Kanwar, J., Lagage, P.-O., Lahuis, F., Mueller, M., Nehmé, C., Olofsson, G., Pantin, E., Pawellek, N., Perotti, G., Ray, T. P., Rodgers-Lee, D., Samland, M., Scheithauer, S., Schreiber, J., Schwarz, K., Temmink, M., Vandenbussche, B., Vlasblom, M., Waelkens, C., Waters, L. B. F. M., Wright, G.: The Chemical Inventory of the Inner Regions of Planet-forming Disks – the JWST/MINDS Program. *Faraday Discussions.* 245 (2023), 112-137.
1350. Jäger, C., Il'in, V. B., Henning, Th., Mutschke, H., Fabian D., Semenov, D. A., Voshchinnikov, N. V.: A Database of Optical Constants of Cosmic Dust Analogs.

1351. Rodriguez, J. E., Quinn, S. N., Vanderburg, A., Zhou, G., Eastman, J. D., Thygesen, E., Cale, B., Ciardi, D. R., Reed, P. A., Oelkers, R. J., Collins, K. A., Bieryla, A., Latham, D. W., Gonzales, E. J., Scott Gaudi, B., Hellier, C., Jones, M. I., Brahm, R., Sokolovsky, K., Schulte, J., Srdoc, G., Kielkopf, J., Grau Horta, F., Massey, B., Evans, P., Stephens, D. C., McLeod, K. K., Chazov, N., Krushinsky, V., Ghachoui, M., Safonov, B. S., Dedrick, C. M., Conti, D., Laloum, D., Giacalone, S., Ziegler, C., Guerra Serra, P., Naves Noguees, R., Murgas, F., Michaels, E. J., Ricker, G. R., Vanderspek, R. K., Seager, S., Winn, J. N., Jenkins, J. M., Addison, B., Alfaro, O., Anderson, D. R., Aydi, E., Beatty, T. G., Bedding, T. R., Belinski, A. A., Benkhaldoun, Z., Berlind, P., Blake, C. H., Bowen, M. J., Bowler, B. P., Boyle, A. W., Branson, D., Briceño, C., Calkins, M. L., Campbell, E., Christiansen, J. L., Chomiuk, L., Collins, K. I., Cornachione, M. A., Daassou, A., Dressing, C. D., Esquerdo, G. A., Feliz, D. L., Fong, W., Fukui, A., Gan, T., Gill, H., Goliguzova, M. V., Hansen, J., Henning, Th., Hintz, E. G., Hobson, M. J., Horner, J., Huang, C. X., James, D. J., Jensen, J. S., Johnson, S. A., Jordán, A., Kane, S. R., Barkaoui, K., Kim, M.-J., Kim, K., Kuhn, R. B., Law, N., Lewin, P., Liu, H.-G., Lund, M. B., Mann, A. W., McCrady, N., Mengel, M. W., Mink, J., Murphy, L. G., Narita, N., Newman, P., Okumura, J., Osborn, H. P., Paegert, M., Pallé, E., Pepper, J., Plavchan, P., Popov, A. A., Rabus, M., Ranshaw, J., Rodriguez, J. A., Roh, D.-G., Reefer, M. A., Savel, A. B., Schwarz, R. P., Shporer, A., Siverd, R. J., Sliski, D. H., Stassun, K. G., Stevens, D. J., Soubkiou, A., Ting, E. B., Tinney, C. G., Vowell, N., Walton, P., West, R. G., Wilson, M. L., Wittenmyer, R. A., Wittrock, J. M., Wolf, S., Wright, J. T., Zhang, H., Zobel, E.: Another Shipment of Six Short-period Giant Planets from TESS. *MNRAS* 521 (2023), 2765-2785.
1352. Shi, Y., Wang, W., Zhao, G., Zhai, M., Chen, G., Jiang, Z., Ouyang, Q., Henning, Th., Zhao, J., Crouzet, N., van Boekel, R., Esteves, L.: Thermal Emission from the Hot Jupiter WASP-103 b in J and Ks Bands. *MNRAS* 522 (2023), 1491-1503.
1353. Imaz Blanco, A., Marino, S., Matrà, L., Booth, M., Carpenter, J., Faramaz, V., Henning, Th., Hughes, A. M., Kennedy, G. M., Pérez, S., Ricci, L., Wyatt, M. C.: Inner Edges of Planetesimal Belts: Collisionally Eroded or Truncated? *MNRAS* 522 (2023), 6150-6169.
1354. GRAVITY Collaboration, Foschi, A., Abuter, R., Aymar, N., Amaro Seoane, P., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Defrère, D., Dexter, J., Drescher, A., Eckart, A., Eisenhauer, F., Ferreira, M. C., Förster Schreiber, N. M., Garcia, P. J. V., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Gomes, T., Habibi, M., Haubois, X., Heiße, G., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Jochum, L., Jocu, L., Kaufer, A., Kervella, P., Kreidberg, L., Lacour, S., Lapeyrière, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Millour, F., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Sykes, C., Tacconi, L. J., Vincent, F., von Fellenberg, S.,

- Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S.: Using the Motion of S2 to Constrain Scalar Clouds around Sgr A*. *MNRAS* 524 (2023), 1075-1086.
1355. Sha, L., Vanderburg, A. M., Huang, C. X., Armstrong, D. J., Brahm, R., Giacalone, S., Wood, M. L., Collins, K. A., Nielsen, L. D., Hobson, M. J., Ziegler, C., Howell, S. B., Torres-Miranda, P., Mann, A. W., Zhou, G., Delgado-Mena, E., Rojas, F. I., Abe, L., Trifonov, T., Adibekyan, V., Sousa, S. G., Fajardo-Acosta, S. B., Guillot, T., Howard, S., Littlefield, C., Hawthorn, F., Schmider, F.-X., Eberhardt, J., Tan, T.-G., Osborn, A., Schwarz, R. P., Strøm, P., Jordán, A., Wang, G., Henning, Th., Massey, B., Law, N., Stockdale, C., Furlan, E., Srdoc, G., Wheatley, P. J., Barrado Navascués, D., Lissauer, J. J., Stassun, K. G., Ricker, G. R., Vanderspek, R. K., Latham, D. W., Winn, J. N., Seager, S., Jenkins, J. M., Barclay, T., Bouma, L. G., Christiansen, J., Guerrero, N., Rose, M. E.: TESS Spots a Mini-Neptune Interior to a Hot Saturn in the TOI-2000 System. *MNRAS* 524 (2023), 1113-1138.
1356. The JWST Transiting Exoplanet Community Early Release Science Team, Ahrer, E.-M., Alderson, L., Batalha, N. M., Batalha, N. E., Bean, J. L., Beatty, T. G., Bell, T. J., Benneke, B., Berta-Thompson, Z. K., Carter, A. L., Crossfield, I. J. M., Espinoza, N., Feinstein, A. D., Fortney, J. J., Gibson, N. P., Goyal, J. M., Kempton, E. M.-R., Kirk, J., Kreidberg, L., López-Morales, M., Line, Michael R., Lothringer, J. D., Moran, S. E., Mukherjee, S., Ohno, K., Parmentier, V., Piaulet, C., Rustamkulov, Z., Schlawin, E., Sing, D. K., Stevenson, K. B., Wakeford, H. R., Allen, N. H., Birkmann, S. M., Brande, J., Crouzet, N., Cubillos, P. E., Damiano, M., Désert, J.-M., Gao, P., Harrington, J., Hu, R., Kendrew, S., Knutson, H. A., Lagage, P.-O., Leconte, J., Lendl, M., MacDonald, R. J., May, E. M., Miguel, Y., Molaverdikhani, K., Moses, J. I., Murray, C. A., Nehring, M., Nikolov, N. K., Petit dit de la Roche, D. J. M., Radica, M., Roy, P.-A., Stassun, K. G., Taylor, J., Waalkes, W. C., Wachiraphan, P., Welbanks, L., Wheatley, P. J., Aggarwal, K., Alam, M. K., Banerjee, A., Barstow, J. K., Blecic, J., Casewell, S. L., Changeat, Q., Chubb, K. L., Colón, K. D., Coulombe, L.-P., Daylan, T., de Val-Borro, M., Decin, L., Dos Santos, L. A., Flagg, L., France, K., Fu, G., García Muñoz, A., Gizis, J. E., Glidden, A., Grant, D., Heng, K., Henning, Th., Hong, Y.-C., Inglis, J., Iro, N., Kataria, T., Komacek, T. D., Krick, J. E., Lee, E. K. H., Lewis, N. K., Lillo-Box, J., Lustig-Yaeger, J., Mancini, L., Mandell, A. M., Mansfield, M., Marley, M. S., Mikal-Evans, T., Morello, G., Nixon, M. C., Ortiz Ceballos, K., Piette, A. A. A., Powell, D., Rackham, B. V., Ramos-Rosado, L., Rauscher, E., Redfield, S., Rogers, L. K., Roman, M. T., Roudier, G. M., Scarsdale, N., Shkolnik, E. L., Southworth, J., Spake, J. J., Steinrueck, M., Tan, X., Teske, J. K., Tremblin, P., Tsai, Shang-M., Tucker, G. S., Turner, J. D., Valenti, J. A., Venot, O., Waldmann, I. P., Wallack, N. L., Zhang, X., Zieba, S.: Identification of Carbon Dioxide in an Exoplanet Atmosphere. *Nature* 614 (2023) 649-652.
1357. Feinstein, A. D., Radica, M., Welbanks, L., Murray, C. A., Ohno, K., Coulombe, L.-P., Espinoza, N., Bean, J. L., Teske, J. K., Benneke, B., Line, M. R., Rustamkulov, Z., Saba, A., Tsiaras, A., Barstow, J. K., Fortney, J. J., Gao, P., Knutson, H. A., MacDonald, R. J., Mikal-Evans, T., Rackham, B. V., Taylor, J., Parmentier, V.,

- Batalha, N. M., Berta-Thompson, Z. K., Carter, A. L., Changeat, Q., dos Santos, L. A., Gibson, N. P., Goyal, J. M., Kreidberg, L., López-Morales, M., Lothringer, J. D., Miguel, Y., Molaverdikhani, K., Moran, S. E., Morello, G., Mukherjee, S., Sing, D. K., Stevenson, K. B., Wakeford, H. R., Ahrer, E.-M., Alam, M. K., Alderson, L., Allen, N. H., Batalha, N. E., Bell, T. J., Blecic, J., Brande, J., Caceres, C., Casewell, S. L., Chubb, K. L., Crossfield, I. J. M., Crouzet, N., Cubillos, P. E., Decin, L., Désert, J.-M., Harrington, J., Heng, K., Henning, Th., Iro, N., Kempton, E. M.-R., Kendrew, S., Kirk, J., Krick, J., Lagage, P.-O., Lendl, M., Mancini, L., Mansfield, M., May, E. M., Mayne, N. J., Nikolov, N. K., Pallé, E., Petit dit de la Roche, D. J. M., Piaulet, C., Powell, D., Redfield, S., Rogers, L. K., Roman, M. T., Roy, P.-A., Nixon, M. C., Schlawin, E., Tan, X., Tremblin, P., Turner, J. D., Venot, O., Waalkes, W. C., Wheatley, P. J., Zhang, X.: Early Release Science of the Exoplanet WASP-39b with JWST NIRISS. *Nature* 614 (2023) 670-675.
1358. Tsai, S.-M., Lee, E. K. H., Powell, D., Gao, P., Zhang, X., Moses, J., Hébrard, E., Venot, O., Parmentier, V., Jordan, S., Hu, R., Alam, M. K., Alderson, L., Batalha, N. M., Bean, J. L., Benneke, B., Bierson, C. J., Brady, R. P., Carone, L., Carter, A. L., Chubb, K. L., Inglis, J., Leconte, J., Line, M., López-Morales, M., Miguel, Y., Molaverdikhani, K., Rustamkulov, Z., Sing, D. K., Stevenson, K. B., Wakeford, H. R., Yang, J., Aggarwal, K., Baeyens, R., Barat, S., de Val-Borro, M., Daylan, T., Fortney, J. J., France, K., Goyal, J. M., Grant, D., Kirk, J., Kreidberg, L., Louca, A., Moran, S. E., Mukherjee, S., Nasedkin, E., Ohno, K., Rackham, B. V., Redfield, S., Taylor, J., Tremblin, P., Visscher, C., Wallack, N. L., Welbanks, L., Youngblood, A., Ahrer, E.-M., Batalha, N. E., Behr, P., Berta-Thompson, Z. K., Blecic, J., Casewell, S. L., Crossfield, I. J. M., Crouzet, N., Cubillos, P. E., Decin, L., Désert, J.-M., Feinstein, A. D., Gibson, N. P., Harrington, J., Heng, K., Henning, Th., Kempton, E. M.-R., Krick, J., Lagage, P.-O., Lendl, M., Lothringer, J. D., Mansfield, M., Mayne, N. J., Mikal-Evans, T., Pallé, E., Schlawin, E., Shorttle, O., Wheatley, P. J., Yurchenko, S. N.: Photochemically Produced SO₂ in the Atmosphere of WASP-39b. *Nature* 617 (2023) 483-487.
1359. Peterson, M. S., Benneke, B., Collins, K., Piaulet, C., Crossfield, I. J. M., Ali-Dib, M., Christiansen, J. L., Gagné, J., Faherty, J., Kite, E., Dressing, C., Charbonneau, D., Murgas, F., Cointepas, M., Almenara, J. M., Bonfils, X., Kane, S., Werner, M. W., Gorjian, V., Roy, P.-A., Shporer, A., Pozuelos, F. J., Socia, Q. J., Cloutier, R., Dietrich, J., Irwin, J., Weiss, L., Waalkes, W., Berta-Thomson, Z., Evans, T., Apai, D., Parviainen, H., Pallé, E., Narita, N., Howard, A. W., Dragomir, D., Barkaoui, K., Gillon, M., Jehin, E., Ducrot, E., Benkhaldoun, Z., Fukui, A., Mori, M., Nishiumi, T., Kawauchi, K., Ricker, G., Latham, D. W., Winn, J. N., Seager, S., Isaacson, H., Bixel, A., Gibbs, A., Jenkins, J. M., Smith, J. C., Chavez, J. P., Rackham, B. V., Henning, Th., Gabor, P., Chen, W.-P., Espinoza, N., Jensen, E. L. N., Collins, K. I., Schwarz, R. P., Conti, D. M., Wang, G., Kielkopf, J. F., Mao, S., Horne, K., Sefako, R., Quinn, S. N., Moldovan, D., Fausnaugh, M., Fűrész, G., Barclay, T.: A Temperate Earth-sized Planet with Tidal Heating Transiting an M6 Star. *Nature* 617 (2023) 701-705.

1360. Coulombe, L.-P., Benneke, B., Challener, R., Piette, A. A. A., Wiser, L. S., Mansfield, M., MacDonald, R. J., Beltz, H., Feinstein, A. D., Radica, M., Savel, A. B., Dos Santos, L. A., Bean, J. L., Parmentier, V., Wong, I., Rauscher, E., Komacek, T. D., Kempton, E. M.-R., Tan, X., Hammond, M., Lewis, N. T., Line, M. R., Lee, E. K. H., Shivkumar, H., Crossfield, I. J. M., Nixon, M. C., Rackham, B. V., Wakeford, H. R., Welbanks, L., Zhang, X., Batalha, N. M., Berta-Thompson, Z. K., Changeat, Q., Désert, J.-M., Espinoza, N., Goyal, J. M., Harrington, J., Knutson, H. A., Kreidberg, L., López-Morales, M., Shporer, A., Sing, D. K., Stevenson, K. B., Aggarwal, K., Ahrer, E.-M., Alam, M. K., Bell, T. J., Blecic, J., Caceres, C., Carter, A. L., Casewell, S. L., Crouzet, N., Cubillos, P. E., Decin, L., Fortney, J. J., Gibson, N. P., Heng, K., Henning, Th., Iro, N., Kendrew, S., Lagage, P.-O., Leconte, J., Lendl, M., Lothringer, J. D., Mancini, L., Mikal-Evans, T., Molaverdikhani, K., Nikolov, N. K., Ohno, K., Pallé, E., Piaulet, C., Redfield, S., Roy, P.-A., Tsai, S.-M., Venot, O., Wheatley, P. J.: A Broadband Thermal Emission Spectrum of the Ultra-Hot Jupiter WASP-18b. *Nature* 620 (2023) 292-298.
1361. Barrado, D., Mollière, P., Patapis, P., Min, M., Tremblin, P., Ardevol Martinez, F., Whiteford, N., Vasist, M., Argyriou, I., Samland, M., Lagage, P.-O., Decin, L., Waters, R., Henning, Th., Morales-Calderón, M., Guedel, M., Vandenbussche, B., Absil, O., Baudoz, P., Boccaletti, A., Bouwman, J., Cossou, C., Coulais, A., Crouzet, N., Gastaud, R., Glasse, A., Glauser, A. M., Kamp, I., Kendrew, S., Krause, O., Lahuis, F., Mueller, M., Olofsson, G., Pye, J., Rouan, D., Royer, P., Scheithauer, S., Waldmann, I., Colina, L., van Dishoeck, E. F., Ray, T., Östlin, G., Wright, G.: $^{15}\text{HN}_3$ in the Atmosphere of a Cool Brown Dwarf. *Nature* 624 (2023), 263-266.
1362. Wright, G. S., Rieke, G. H., Glasse, A., Ressler, M., García Marín, M., Aguilar, J., Alberts, S., Álvarez-Márquez, J., Argyriou, I., Banks, K., Baudoz, P., Boccaletti, A., Bouchet, P., Bouwman, J., Brandl, B. R., Breda, D., Bright, S., Cale, S., Colina, L., Cossou, C., Coulais, A., Cracraft, M., De Meester, W., Dicken, D., Engesser, M., Etzaluze, M., Fox, O. D., Friedman, S., Fu, H., Gasman, D., Gáspár, A., Gastaud, R., Geers, V., Glauser, A. M., Gordon, K. D., Greene, T., Greve, T. R., Grundy, T., Güdel, M., Guillard, P., Haderlein, P., Hashimoto, R., Henning, Th., Hines, D., Holler, B., Detre, Ö. H., Jahromi, A., James, B., Jones, O. C., Justtanont, K., Kavanagh, P., Kendrew, S., Klaassen, P., Krause, O., Labiano, A., Lagage, P.-O., Lambros, S., Larson, K., Law, D., Lee, D., Libralato, M., Lorenzo Alvarez, J., Meixner, M., Morrison, J., Mueller, M., Murray, K., Mycroft, M., Myers, R., Nayak, O., Naylor, B., Nickson, B., Noriega-Crespo, A., Östlin, G., O'Sullivan, B., Ottens, R., Patapis, P., Penanen, K., Pietraszkiewicz, M., Ray, T., Regan, M., Roteliuk, A., Royer, P., Samara-Ratna, P., Samuelson, B., Sargent, B. A., Scheithauer, S., Schneider, A., Schreiber, J., Shaughnessy, B., Sheehan, E., Shivaiei, I., Sloan, G. C., Tamas, L., Teague, K., Temim, T., Tikkanen, T., Tustain, S., van Dishoeck, E. F., Vandenbussche, B., Weilert, M., Whitehouse, P., Wolff, S.: The Mid-infrared Instrument for JWST and Its In-flight Performance. *PASP* 135 (2023), 1046.
1363. Gardner, J. P., Mather, J. C.: Abbott, R. et al.: The James Webb Space Telescope Mission. *PASP* 135 (2023), 1048.

1364. GRAVITY Collaboration, Widmann, F., Haubois, X., Schuhler, N., Pfuhl, O., Eisenhauer, F., Gillessen, S., Aymar, N., Amorim, A., Bauböck, M., Berger, J. B., Bonnet, H., Bourdarot, G., Brandner, W., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eckart, A., Feuchtgruber, H., Schreiber, N. M. F., Garcia, P., Gendron, E., Genzel, R., Hartl, M., Haußmann, F., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., More, N., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Rabien, S., Ribeiro, D., Bordonni, M., Sadun, Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S. D., Wieprecht, E., Wierzorrek, E., Woillez, J.: Polarization Analysis of the VLTI and GRAVITY. *Astron. Astrophys.* 681 (2024), A115.
1365. Carleo, I., Malavolta, L., Desidera, S., Nardiello, D., Wang, S., Turrini, D., Lanza, A. F., Baratella, M., Marzari, F., Benatti, S., Biazzo, K., Bieryla, A., Brahm, R., Bonavita, M., Collins, K. A., Hellier, C., Locci, D., Hobson, M. J., Maggio, A., Mantovan, G., Messina, S., Pinamonti, M., Rodriguez, J. E., Sozzetti, A., Stassun, K., Wang, X. Y., Ziegler, C., Damasso, M., Giacobbe, P., Murgas, F., Parviainen, H., Andreuzzi, G., Barkaoui, K., Berlind, P., Bignamini, A., Borsa, F., Briceño, C., Brogi, M., Cabona, L., Calkins, M. L., Capuzzo-Dolcetta, R., Cecconi, M., Colon, K. D., Cosentino, R., Dragomir, D., Esquerdo, G. A., Henning, Th., Ghedina, A., Goeke, R. F., Gratton, R., Horta, F. Grau, Gupta, A. F., Jenkins, J. M., Jordán, A., Knapic, C., Latham, D. W., Mireles, I., Law, N., Lorenzi, V., Lund, M. B., Maldonado, J., Mann, A. W., Molinari, E., Pallé, E., Paegert, M., Pedani, M., Quinn, S. N., Scandariato, G., Seager, S., Winn, J. N., Wohler, B., Zingales, T.: The GAPS Programme at TNG. L. TOI-4515 b: An Eccentric Warm Jupiter Orbiting a 1.2 Gyr-old G-star. *Astron. Astrophys.* 682 (2024), A135.
1366. Francis, L., van Gelder, M. L., van Dishoeck, E. F., Gieser, C., Beuther, H., Tychoniec, L., Perotti, G., Caratti o Garatti, A., Kavanagh, P. J., Ray, T., Klaassen, P., Justtanont, K., Linnartz, H., Rocha, W. R. M., Slavicinska, K., Güdel, M., Henning, Th., Lagage, P.-O., Östlin, G.: JOYS: MIRI/MRS Spectroscopy of Gas-phase Molecules from the High-mass Star-forming Region IRAS 23385+6053. *Astron. Astrophys.* 683 (2024), A2.
1367. Barraza-Alfaro, M., Flock, M., Henning, Th.: Kinematic Signatures of Planet-disk Interactions in Vertical Shear Instability-turbulent Protoplanetary Disks. *Astron. Astrophys.* 683 (2024), A16.
1368. Jones, M. I., Reinarz, Y., Brahm, R., Tala Pinto, M., Eberhardt, J., Rojas, F., Triaud, A. H. M. J., Gupta, A. F., Ziegler, C., Hobson, M. J., Jordán, A., Henning, Th., Trifonov, T., Schlecker, M., Espinoza, N., Torres-Miranda, P., Sarkis, P., Ulmer-Moll, S., Lendl, M., Uzundag, M., Moyano, M., Hesse, K., Caldwell, D. A., Shporer, A., Lund, M. B., Jenkins, J. M., Seager, S., Winn, J. N., Ricker, G. R., Burke, C. J., Figueira, P., Psaridi, A., Al Moulla, K., Mounzer, D., Standing, M. R., Martin, D. V., Dransfield, G., Baycroft, T., Dragomir, D., Boyle, G., Suc, V., Mann,

- A. W., Timmermans, M., Ducrot, E., Hooton, M. J., Zuñiga-Fernández, S., Sebastian, D., Gillon, M., Queloz, D., Carson, J., Lissauer, J. J.: A Long-period Transiting Substellar Companion in the Super-Jupiters to Brown Dwarfs Mass Regime and a Prototypical Warm-Jupiter Detected by TESS. *Astron. Astrophys.* 683 (2024), A192.
1369. GRAVITY Collaboration, Ganci, V., Labadie, L., Perraut, K., Wojtczak, A., Kaufhold, J., Benisty, M., Alecian, E., Bourdarot, G., Brandner, W., Caratti o Garatti, A., Dougados, C., Garcia Lopez, R., Sanchez-Bermudez, J., Soulain, A., Amorim, A., Berger, J.-P., Caselli, P., Clénet, Y., Drescher, A., Eckart, A., Eisenhauer, F., Fabricius, M., Feuchtgruber, H., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Grant, S., Heißel, G., Henning, Th., Horrobin, M., Jocou, L., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., Morujão, N., Ott, T., Paumard, T., Perrin, G., Ribeiro, D., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Straubmeier, C., Sturm, E., Tacconi, L., van Dishoeck, E., Vincent, F., Woillez, J.: The GRAVITY Young Stellar Object Survey. XIII. Tracing the Time-variable Asymmetric Disk Structure in the Inner AU of the Herbig Star HD 98922. *Astron. Astrophys.* 684 (2024), A200.
1370. Grant, S. L. Bettoni, G., Banzatti, A., van Dishoeck, E. F., Brittain, S., Fedele, D., Henning, Th., Manara, C. F., Semenov, D., Whelan, E.: Full L- and M-band High Resolution Spectroscopy of the S CrA Binary Disks with VLT-CRIRES+. *Astron. Astrophys.* 684 (2024), A213.
1371. Ginski, C., Garufi, A., Benisty, M., Tazaki, R., Dominik, C., Ribas, Á., Engler, N., Birnstiel, T., Chauvin, G., Columba, G., Facchini, S., Goncharov, A., Hagelberg, J., Henning, Th., Hogerheijde, M., van Holstein, R. G., Huang, J., Muto, T., Pinilla, P., Kanagawa, K., Kim, S., Kurtovic, N., Langlois, M., Manara, C., Milli, J., Momose, M., Orihara, R., Pawellek, N., Pinte, C., Rab, C., Schmidt, T. O. B., Snik, F., Wahhaj, Z., Williams, J., Zurlo, A.: The SPHERE View of the Chamaeleon I Star-forming Region. The Full Census of Planet-forming Disks with GTO and DESTINYS Programs. *Astron. Astrophys.* 685 (2024), A52.
1372. Chen, L.-F., Quan, D., He, J., Wang, Y., Li, D., Henning, Th.: Astrochemical Effect of the Fundamental Grain Surface Processes. I. The Diffusion of Grain Surface Species and the Pre-exponential Factor. *Astron. Astrophys.* 685 (2024), A55.
1373. GRAVITY Collaboration, Abuter, R., Amorim, A., Benisty, M., Berger, J. P., Bonnet, H., Bourdarot, G., Bourget, P., Brandner, W., Clénet, Y., Davies, R., Delplancke-Ströbele, F., Dembet, R., Drescher, A., Eckart, A., Eisenhauer, F., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Garcia, P., Garcia-Lopez, R., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Hartl, M., Haubois, X., Haussmann, F., Henning, Th., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Ledoux, C., Léna, P., Lutz, D., Mang, F., Mérand, A., More, N., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J.,

- Tristram, K. R. W., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Woillez, J., Yazici, S., Zins, G.: Astrometric Detection of a Neptune-mass Candidate Planet in the Nearest M-dwarf Binary System GJ65 with VLTI/GRAVITY. *Astron. Astrophys.* 685 (2024), L9.
1374. Boccaletti, A., Mâlin, M., Baudoz, P., Tremblin, P., Perrot, C., Rouan, D., Lagage, P.-O., Whiteford, N., Mollière, P., Waters, R., Henning, Th., Decin, L., Güdel, M., Vandenbussche, B., Absil, O., Argyriou, I., Bouwman, J., Cossou, C., Coulais, A., Gastaud, R., Glasse, A., Glauser, A. M., Kamp, I., Kendrew, S., Krause, O., Lahuis, F., Mueller, M., Olofsson, G., Patapis, P., Pye, J., Royer, P., Serabyn, E., Scheithauer, S., Colina, L., van Dishoeck, E. F., Ostlin, G., Ray, T. P., Wright, G.: Imaging Detection of the Inner Dust Belt and the Four Exoplanets in the HR 8799 System with JWST’s MIRI Coronagraph. *Astron. Astrophys.* 686 (2024), A33.
1375. Temmink, M., van Dishoeck, E. F., Grant, S. L., Tabone, B., Gasman, D., Christiaens, V., Samland, M., Argyriou, I., Perotti, G., Güdel, M., Henning, Th., Lagage, P.-O., Abergel, A., Absil, O., Barrado, D., Caratti o Garatti, A., Glauser, A. M., Kamp, I., Lahuis, F., Olofsson, G., Ray, T. P., Scheithauer, S., Vandenbussche, B., Waters, L. B. F. M., Arabhavi, A. M., Jang, H., Kanwar, J., Morales-Calderón, M., Rodgers-Lee, D., Schreiber, J., Schwarz, K., Colina, L.: MINDS: The DR Tau Disk I. Combining JWST-MIRI Data with High-resolution CO Spectra to Characterise the Hot Gas. *Astron. Astrophys.* 686 (2024), A117.
1376. Leftley, J. H., Petrov, R., Moszczynski, N., Vermot, P., Hönig, S. F., Gamez Rosas, V., Isbell, J. W., Jaffe, W., Clénet, Y., Augereau, J.-C., Berio, P., Davies, R. I., Henning, Th., Lagarde, S., Lopez, B., Matter, A., Meilland, A., Millour, F., Nesvadba, N., Shimizu, T. T., Sturm, E., Weigelt, G.: Chromatically Modeling the Parsec-scale Dusty Structure in the Center of NGC 1068. *Astron. Astrophys.* 686 (2024), A204.
1377. Battley, M. P., Collins, K. A., Ulmer-Moll, S., Quinn, S. N., Lendl, M., Gill, S., Brahm, R., Hobson, M. J., Osborn, H. P., Deline, A., Faria, J. P., Claringbold, A. B., Chakraborty, H., Stassun, K. G., Hellier, C., Alves, D. R., Ziegler, C., Anderson, D. R., Apergis, I., Armstrong, D. J., Bayliss, D., Beletsky, Y., Bieryla, A., Bouchy, F., Burleigh, M. R., Butler, R. P., Casewell, S. L., Christiansen, J. L., Crane, J. D., Dalba, P. A., Daylan, T., Figueira, P., Gillen, E., Goad, M. R., Günther, M. N., Henderson, B. A., Henning, Th., Jenkins, J. S., Jordán, A., Kanodia, S., Kendall, A., Kunimoto, M., Latham, D. W., Levine, A. M., McCormac, J., Moyano, M., Osborn, A., Osip, D., Pritchard, T. A., Psaridi, A., Rice, M., Rodriguez, J. E., Saha, S., Seager, S., Shectman, S. A., Smith, A. M. S., Teske, J. K., Ting, E. B., Udry, S., Vines, J. I., Watson, C. A., West, R. G., Wheatley, P. J., Winn, J. N., Yee, S. W., Zhao, Y.: NGTS-30b/TOI-4862b: An 1 Gyr Old 98-day Transiting Warm Jupiter. *Astron. Astrophys.* 686 (2024), A230.
1378. GRAVITY Collaboration, Nowak, M., Lacour, S., Abuter, R., Amorim, A., Asensio-Torres, R., Balmer, W. O., Benisty, M., Berger, J.-P., Beust, H., Blunt, S., Boccaletti, A., Bonnefoy, M., Bonnet, H., Bordini, M. S., Bourdarot, G., Brandner, W., Cantalloube, F., Charnay, B., Chauvin, G., Chavez, A., Choquet, E., Christiaens, V.,

Clénet, Y., Coudé du Foresto, V., Cridland, A., Davies, R., Dembet, R., Dexter, J., Drescher, A., Duvert, G., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P., Garcia Lopez, R., Gardner, T., Gendron, E., Genzel, R., Gillessen, S., Girard, J. H., Grant, S., Haubois, X., Heißel, G., Henning, Th., Hinkley, S., Hippler, S., Houllé, M., Hubert, Z., Jocou, L., Kammerer, J., Keppler, M., Kervella, P., Kreidberg, L., Kurtovic, N. T., Lagrange, A.-M., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Maire, A.-L., Mang, F., Marleau, G.-D., Mérand, A., Monnier, J. D., Mordasini, C., Mouillet, D., Nasedkin, E., Ott, T., Otten, G. P. P. L., Paladini, C., Paumard, T., Perraut, K., Perrin, G., Pfuh, O., Pourré, N., Pueyo, L., Ribeiro, D. C., Rickman, E., Rustamkulov, Z., Shangguan, J., Shimizu, T., Sing, D., Stadler, J., Stolker, T., Straub, O., Straubmeier, C., Sturm, E., Subroweit, M., Tacconi, L. J., van Dishoeck, E. F., Vigan, A., Vincent, F., von Fellenberg, S. D., Wang, J. J., Widmann, F., Winterhalder, T. O., Woillez, J., Yazici, S., Young, A.: A Catalogue of Dual-field Interferometric Binary Calibrators. *Astron. Astrophys.* 687 (2024), A72.

1379. Franceschi, R., Henning, Th., Tabone, B., Perotti, G., Caratti o Garatti, A., Bettoni, G., van Dishoeck, E. F., Kamp, I., Absil, O., Güdel, M., Olofsson, G., Waters, L. B. F. M., Arabhavi, A. M., Christiaens, V., Gasman, D., Grant, S. L., Jang, H., Rodgers-Lee, D., Samland, M., Schwarz, K., Temmink, M., Barrado, D., Boccaletti, A., Geers, V., Lagage, P.-O., Pantin, E., Ray, T. P., Scheithauer, S., Vandenbussche, B., Wright, G.: MINDS: Mid-infrared Atomic and Molecular Hydrogen Lines in the Inner Disk around a Low-mass Star. *Astron. Astrophys.* 687 (2024), A96.
1380. Bhandare, A., Commerçon, B., Laibe, G., Flock, M., Kuiper, Ro., Henning, Th., Mignone, A., Marleau, G.-D.: Mixing is Easy: New Insights for Cosmochemical Evolution from Pre-stellar Core Collapse. *Astron. Astrophys.* 687 (2024), A158.
1381. Sadavoy, S. I., Sheehan, P., Tobin, J. J., Murillo, N. M., Teague, R., Stephens, I., Henning, Th., Myers, P. C., Bergin, E. A.: Constraining the Stellar Masses and Origin of the Protostellar VLA 1623 System. *Astron. Astrophys.* 687 (2024), A308.
1382. Olofsson, J., Thébault, P., Bayo, A., Henning, Th., Milli, J.: The Near-infrared Degree of Polarization in Debris Disks. Toward a Self-consistent Approach to Model Scattered Light Observations. *Astron. Astrophys.* 688 (2024), A42.
1383. Grant, S. L., Kurtovic, N. T., van Dishoeck, E. F., Henning, Th., Kamp, I., Nowacki, H., Perraut, K., Banzatti, A., Temmink, M., Christiaens, V., Samland, M., Gasman, D., Tabone, B., Güdel, M., Lagage, P.-O., Arabhavi, A. M., Barrado, D., Caratti o Garatti, A., Glauser, A. M., Jang, H., Kanwar, J., Lahuis, F., Morales-Calderón, M., Olofsson, G., Perotti, G., Schwarz, K., Vlasblom, M., Garcia Lopez, R., Long, F.: MINDS. A Multi-instrument Investigation into the Molecule-rich JWST-MIRI Spectrum of the DF Tau Binary System. *Astron. Astrophys.* 689 (2024), A85.
1384. Bortolini, G., Östlin, G., Habel, N., Hirschauer, A. S., Jones, O. C., Justtanont, K., Meixner, M., Boyer, M. L., Blommaert, J. A. D. L., Crouzet, N., Lenkić, L.,

- Nally, C., Sargent, B. A., van der Werf, P., Güdel, M., Henning, Th., Lagage, P. O.: Imaging of I Zw 18 by JWST: II. Spatially Resolved Star Formation History. *Astron. Astrophys.* 689 (2024), A146.
1385. Kanwar, J., Kamp, I., Jang, H., Waters, L. B. F. M., van Dishoeck, E. F., Christiaens, V., Arabhavi, A. M., Henning, Th., Güdel, M., Woitke, P., Absil, O., Barrado, D., Caratti o Garatti, A., Glauser, A. M., Lahuis, F., Scheithauer, S., Vandenbussche, B., Gasman, D., Grant, S. L., Kurtovic, N. T., Perotti, G., Tabone, B., Temmink, M.: MINDS. Hydrocarbons Detected by JWST/MIRI in the Inner Disk of Sz28 Consistent with a High C/O Gas-phase Chemistry. *Astron. Astrophys.* 689 (2024), A231.
1386. Temmink, M., van Dishoeck, E. F., Gasman, D., Grant, S. L., Tabone, B., Guedel, M., Henning, Th., Barrado, D., Garatti, A. C. o, Glauser, A. M., Kamp, I., Arabhavi, A. M., Jang, H., Kurtovic, N., Perotti, G., Schwarz, K., Vlasblom, M.: MINDS: The DR Tau Disk II. Probing the Hot and Cold H₂O Reservoirs in the JWST-MIRI Spectrum. *Astron. Astrophys.* 689 (2024), A330.
1387. Carleo, I., Barrágan, O., Persson, C. M., Fridlund, M., Lam, K. W. F., Messina, S., Gandolfi, D., Smith, A. M. S., Johnson, M. C., Cochran, W., Osborne, H. L. M., Brahm, R., Ciardi, D. R., Collins, K. A., Everett, M. E., Giacalone, S., Guenther, E. W., Hatzes, A., Hellier, C., Horner, J., Kabáth, P., Korth, J., MacQueen, P., Masseron, T., Murgas, F., Nowak, G., Rodriguez, J. E., Watkins, C. N., Wittenmyer, R., Zhou, G., Ziegler, C., Bieryla, A., Boyd, P. T., Clark, C. A., Dressing, C. D., Eastman, J. D., Eberhardt, J., Endl, M., Espinoza, N., Fausnaugh, M., Guerrero, N. M., Henning, Th., Hesse, K., Hobson, M., Howell, S. B., Jordán, A., Latham, D. W., Lund, M. B., Mireles, I., Narita, N., Tala Pinto, M., Pugh, T., Quinn, S. N., Ricker, G., Rodriguez, D. R., Rojas, F. I., Rose, M. E., Rudat, A., Sarkis, P., Savel, A. B., Schlecker, M., Schwarz, R. P., Seager, S., Shporer, A., Smith, J. C., Stassun, Keivan G., Stockdale, C., Trifonov, T., Vanderspek, R., Winn, J. N., Wright, D.: Mass Determination of Two Jupiter-sized Planets Orbiting Slightly Evolved Stars: TOI-2420 b and TOI-2485 b. *Astron. Astrophys.* 690 (2024), A18.
1388. GRAVITY Collaboration, Nowacki, H., Perraut, K., Labadie, L., Bouvier, J., Dougados, C., Benisty, M., Wojtczak, J. A., Soullain, A., Alecian, E., Brandner, W., Caratti o Garatti, A., Garcia Lopez, R., Ganci, V., Sánchez-Bermúdez, J., Berger, J.-P., Bourdarot, G., Caselli, P., Clénet, Y., Davies, R., Drescher, A., Eckart, A., Eisenhauer, F., Fabricius, M., Feuchtgruber, H., Förster-Schreiber, N. M., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Grant, S., Henning, Th., Jocou, L., Kervella, P., Kurtovic, N., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Lutz, D., Mang, F., Ott, T., Paumard, T., Perrin, G., Rabien, S., Ribeiro, D., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Spezzano, S., Straubmeier, C., Sturm, E., Tacconi, L., van Dishoeck, E. F., Vincent, F., Widmann, F.: The GRAVITY Young Stellar Object Survey. XIV. Investigating the Magnetospheric Accretion-ejection Processes in S CrA N. *Astron. Astrophys.* 690 (2024), A123.
1389. Mâlin, M., Boccaletti, A., Perrot, C., Baudoz, P., Rouan, D., Lagage, P.-O., Waters,

- R., Güdel, M., Henning, Th., Vandenbussche, B., Absil, O., Barrado, D., Cossou, C., Decin, L., Glauser, A. M., Pye, J., Olofsson, G., Glasse, A., Lahuis, F., Patapis, P., Royer, P., Scheithauer, S., Whiteford, N., Serabyn, E., Choquet, E., Colina, L., Ostlin, G., Ray, T. P., Wright, G.: Unveiling the HD 95086 System at Mid-infrared Wavelengths with JWST/MIRI. *Astron. Astrophys.* 690 (2024), A316.
1390. Jang, H., Waters, R., Kaeufer, T., Tamanai, A., Perotti, G., Christiaens, V., Kamp, I., Henning, Th., Min, M., Arabhavi, A. M., Barrado, D., van Dishoeck, E. F., Gassman, D., Grant, S. L., Güdel, M., Lagage, P.-O., Lahuis, F., Schwarz, K., Tabone, B., Temmink, M.: Dust Mineralogy and Variability of the Inner PDS 70 Disk: Insights from JWST/MIRI MRS and Spitzer IRS Observations. *Astron. Astrophys.* 691 (2024), A148.
1391. Lienert, J. L., Bitsch, B., Henning, Th.: Changing Disc Compositions via Internal Photoevaporation I: Solar-mass Stars. *Astron. Astrophys.* 691 (2024), A248.
1392. Rezaei Kh., S., Beuther, H., Benjamin, R. A., Eilers, A.-C., Henning, Th., Jiménez-Donaire, M. J., Miville-Deschênes, M.-A.: 3D Structure of the Milky Way out to 10 kpc from the Sun. *Catalogue of Large Molecular Clouds in the Galactic Plane. Astron. Astrophys.* 692 (2024), A255.
1393. Hord, B. J., Kempton, E. M.-R., Evans-Soma, T. M., Latham, D. W., Ciardi, D. R., Dragomir, D., Colón, K. D., Ross, G., Vanderburg, A., de Beurs, Z. L., Collins, K. A., Watkins, C. N., Bean, J., Cowan, N. B., Daylan, T., Morley, C. V., Ih, J., Baker, D., Barkaoui, K., Batalha, N. M., Behmard, A., Belinski, A., Benkhaldoun, Z., Benni, P., Bernacki, K., Bieryla, A., Binnenfeld, A., Bosch-Cabot, P., Bouchy, F., Bozza, V., Brahm, R., Buchhave, L. A., Calkins, M., Chontos, A., Clark, C. A., Cloutier, R., Cointepas, M., Collins, K. I., Conti, D. M., Crossfield, I. J. M., Dai, F., de Leon, J. P., Dransfield, G., Dressing, C., Dustor, A., Esquerdo, G., Evans, P., Fajardo-Acosta, S. B., Fiolka, J., Forés-Toribio, R., Frasca, A., Fukui, A., Fulton, B., Furlan, E., Gan, T., Gandolfi, D., Ghachoui, M., Giacalone, S., Gilbert, E. A., Gillon, M., Girardin, E., Gonzales, E., Grau Horta, F., Gregorio, J., Greklek-McKeon, M., Guerra, P., Hartman, J. D., Hellier, C., Helm, I., Helminiak, K. G., Henning, Th., Hill, M. L., Horne, K., Howard, A. W., Howell, S. B., Huber, D., Isopi, G., Jehin, E., Jenkins, J. M., Jensen, E. L. N., Johnson, M. C., Jordán, A., Kane, S. R., Kielkopf, J. F., Krushinsky, V., Lasota, S., Lee, E., Lewin, P., Livingston, J. H., Lubin, J., Lund, M. B., Mallia, F., Mann, C. R., Marino, G., Maslennikova, N., Massey, B., Matson, R., Matthews, E., Mayo, A. W., Mazeh, T., McLeod, K. K., Michaels, E. J., Močnik, T., Mori, M., Mraz, G., Muñoz, J. A., Narita, N., Natarajan, K., Dyregaard Nielsen, L., Osborn, H., Palte, E., Panahi, A., Papini, R., Plavchan, P., Polanski, A. S., Popowicz, A., Pozuelos, F. J., Quinn, S. N., Radford, D. J., Reed, P. A., Relles, H. M., Rice, M., Robertson, P., Rodriguez, J. E., Rosenthal, L. J., Rubenzahl, R. A., Schanche, N., Schlieder, J., Schwarz, R. P., Sefako, R., Shporer, A., Sozzetti, A., Srdoc, G., Stockdale, C., Tarasenkova, A., Tan, T.-G., Timmermans, M., Ting, E. B., Van Zandt, J., Vignes, J. P., Waite, I., Watanabe, N., Weiss, L. M., Wittrock, J., Zhou, G., Ziegler, C., Zucker, S.: Identification of the Top TESS

Objects of Interest for Atmospheric Characterization of Transiting Exoplanets with JWST. *Astron. J.* 167 (2024), 233.

1394. Banerjee, B., Narang, M., Manoj, P., Henning, Th., Tyagi, H., Surya, A., Nayak, P. K., Tripathi, M.: Host-star Properties of Hot, Warm, and Cold Jupiters in the Solar Neighborhood from Gaia Data Release 3: Clues to Formation Pathways. *Astron. J.* 168 (2024), 7.
1395. Schwarz, K. R., Henning, Th., Christiaens, V., Gasman, D., Samland, M., Perotti, G., Jang, H., Grant, S. L., Tabone, B., Morales-Calderón, M., Kamp, I., van Dishoeck, E. F., Güdel, M., Lagage, P.-O., Barrado, D., Caratti o Garatti, A., Glauser, Adrian M., Ray, T. P., Vandenbussche, B., Waters, L. B. F. M., Arabhavi, A. M., Kanwar, J., Olofsson, G., Rodgers-Lee, D., Schreiber, J., Temmink, M.: MINDS. JWST/MIRI Reveals a Dynamic Gas-rich Inner Disk Inside the Cavity of SY Cha. *Astrophys. J.* 962 (2024), 8.
1396. Iani, E., Caputi, Karina I., Rinaldi, P., Annunziatella, M., Boogaard, L. A., Östlin, G., Costantin, L., Gillman, S., Pérez-González, P. G., Colina, L., Greve, T. R., Wright, G., Alonso-Herrero, A., Álvarez-Márquez, J., Bik, A., Bosman, S. E. I., Crespo Gómez, A., Eckart, A., Hjorth, J., Jermann, I., Labiano, A., Langeroodi, D., Melinder, J., Moutard, T., Peißker, F., Pye, J. P., Tikkanen, T. V., van der Werf, P. P., Walter, F., Henning, Th., Lagage, P.-O., van Dishoeck, E. F.: MIDIS: JWST NIRCам and MIRI Unveil the Stellar Population Properties of Ly α Emitters and Lyman-break Galaxies at $z \simeq 3\text{--}7$. *Astrophys. J.* 963 (2024), 97.
1397. Sallum, S., Ray, S., Kammerer, J., Sivaramakrishnan, A., Cooper, R., Greebaum, A. Z., Thatte, D., De Furio, M., Factor, S. M., Meyer, M. R., Stone, J. M., Carter, A., Biller, B., Hinkley, S., Skemer, A., Suárez, G., Leisenring, J. M., Perrin, M. D., Kraus, A. L., Absil, O., Balmer, W. O., Betti, S. K., Boccaletti, A., Bonavita, M., Bonnefoy, M., Booth, M., Bowler, B. P., Briesemeister, Z. W., Bryan, M. L., Calissendorff, P., Cantalloube, F., Chauvin, G., Chen, C. H., Choquet, E., Christiaens, V., Cugno, G., Currie, T., Danielski, C., Dupuy, T. J., Faherty, J. K., Fitzgerald, M. P., Fortney, J. J., Franson, K., Girard, J. H., Grady, C. A., Gonzales, E. C., Henning, Th., Hines, D. C., Hoch, K. K. W., Hood, C. E., Howe, A. R., Janson, M., Kalas, P., Kennedy, G. M., Kenworthy, M. A., Kervella, P., Kitzmann, D., Kuzuhara, M., Lagrange, A.-M., Lagage, P.-O., Lawson, K., Lazzoni, C., Lew, B. W. P., Liu, M. C., Liu, P., Llop-Sayson, J., Lloyd, J. P., Lueber, A., Macintosh, B., Manjavacas, E., Marino, S., Marley, M. S., Marois, C., Martinez, R. A., Matthews, B. C., Matthews, E. C., Mawet, D., Mazoyer, J., McElwain, M. W., Metchev, S., Miles, B. E., Millar-Blanchaer, M. A., Mollière, P., Moran, S. E., Morley, C. V., Mukherjee, S., Palma-Bifani, P., Pantin, E., Patapis, P., Petrus, S., Pueyo, L., Quanz, S. P., Quirrenbach, A., Rebollido, I., Redai, J. A., Ren, B. B., Rickman, E., Samland, M., Sargent, B. A., Schlieder, J. E., Schneider, G., Stapelfeldt, K. R., Sutcliffe, B. J., Tamura, M., Tan, X., Theissen, C. A., Uyama, T., Vigan, A., Vasist, M., Vos, J. M., Wagner, K., Wang, J. J., Ward-Duong, K., Whiteford, N., Wolff, S. G., Worthen, K., Wyatt, M. C., Ygouf, M., Zhang, X., Zhang, K., Zhang, Z., Zhou, Y., Zurlo, A.: The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems.

IV. NIRISS Aperture Masking Interferometry Performance and Lessons Learned. *Astrophys. J.* 963 (2024), L2.

1398. Potapov, A., Jüger, C., Mutschke, H., Henning, Th.: Trapped Water on Silicates in the Laboratory and in Astrophysical Environments. *Astrophys. J.* 965 (2024), 48.
1399. Rouillé, G., Schmitt, J., Jäger, C., Henning, Th.: Gas-phase Condensation of Carbonated Silicate Grains. *Astrophys. J.* 966 (2024), 191.
1400. Petrus, S., Whiteford, N., Patapis, P., Biller, B. A., Skemer, A., Hinkley, S., Suárez, G., Palma-Bifani, P., Morley, C. V., Tremblin, P., Charnay, B., Vos, J. M., Wang, J. J., Stone, J. M., Bonnefoy, M., Chauvin, G., Miles, B. E., Carter, A. L., Lueber, A., Helling, C., Sutcliffe, B. J., Janson, M., Gonzales, E. C., Hoch, K. K. W., Absil, O., Balmer, W. O., Boccaletti, A., Bonavita, M., Booth, M., Bowler, B. P., Briesemeister, Z. W., Bryan, M. L., Calissendorff, P., Cantalloube, F., Chen, C. H., Choquet, E., Christiaens, V., Cugno, G., Currie, T., Danielski, C., De Furio, M., Dupuy, T. J., Factor, S. M., Faherty, J. K., Fitzgerald, M. P., Fortney, J. J., Franson, K., Girard, J. H., Grady, C. A., Henning, Th., Hines, D. C., Hood, C. E., Howe, A. R., Kalas, P., Kammerer, J., Kennedy, G. M., Kenworthy, M. A., Kervella, P., Kim, M., Kitzmann, D., Kraus, A. L., Kuzuhara, M., Lagage, P.-O., Lagrange, A.-M., Lawson, K., Lazzoni, C., Leisenring, J. M., Lew, B. W. P., Liu, M. C., Liu, P., Llop-Sayson, J., Lloyd, J. P., Macintosh, B., Mâlin, M., Manjavacas, E., Marino, S., Marley, M. S., Marois, C., Martinez, R. A., Matthews, E. C., Matthews, B. C., Mawet, D., Mazoyer, J., McElwain, M. W., Metchev, S., Meyer, M. R., Millar-Blanchaer, M. A., Mollière, P., Moran, S. E., Mukherjee, S., Pantin, E., Perrin, M. D., Pueyo, L., Quanz, S. P., Quirrenbach, A., Ray, S., Rebollido, I., Adams Redai, J., Ren, Bin B., Rickman, E., Sallum, S., Samland, M., Sargent, B., Schlieder, J. E., Stapelfeldt, K. R., Tamura, M., Tan, X., Theissen, C. A., Uyama, T., Vasist, M., Vigan, A., Wagner, K., Ward-Duong, K., Wolff, S. G., Worthen, K., Wyatt, M. C., Ygouf, M., Zurlo, A., Zhang, X., Zhang, K., Zhang, Z., Zhou, Y.: The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems. V. Do Self-consistent Atmospheric Models Represent JWST Spectra? A Showcase with VHS 1256-1257 b. *Astrophys. J.* 966 (2024), L11.
1401. Kuzuhara, M., Fukui, A., Livingston, J. H., Caballero, J. A., de Leon, J. P., Hirano, T., Kasagi, Y., Murgas, F., Narita, N., Omiya, M., Orell-Miquel, J., Palle, E., Changeat, Q., Esparza-Borges, E., Harakawa, H., Hellier, C., Hori, Y., Ikuta, K., Ishikawa, H. T., Kodama, T., Kotani, T., Kudo, T., Morales, J. C., Mori, M., Nagel, E., Parviainen, H., Perdelwitz, V., Reiners, A., Ribas, I., Sanz-Forcada, J., Sato, B., Schweitzer, A., Tabernero, H. M., Takarada, T., Uyama, T., Watanabe, N., Zechmeister, M., García, N. A., Aoki, W., Beichman, C., Béjar, V. J. S., Brandt, T. D., Calatayud-Borras, Y., Carleo, I., Charbonneau, D., Collins, K. A., Currie, T., Doty, J. P., Dreizler, S., Fernández-Rodríguez, G., Fukuda, I., Galán, D., Geraldía-González, S., González-Rodríguez, J., Hayashi, Y., Hedges, C., Henning, Th., Hodapp, K., Ikoma, M., Isogai, K., Jacobson, S., Janson, M., Jenkins, J. M., Kage-tani, T., Kambe, E., Kawai, Y., Kawauchi, K., Kokubo, E., Konishi, M., Korth,

- J., Krishnamurthy, V., Kurokawa, T., Kusakabe, N., Kwon, J., Laza-Ramos, A., Libotte, F., Luque, R., Madrigal-Aguado, A., Matsumoto, Y., Mawet, D., McElwain, M. W., Meni Gallardo, P. P., Morello, G., Muñoz Torres, S., Nishikawa, J., Nugroho, S. K., Ogihara, M., Peláez-Torres, A., Rapetti, D., Sánchez-Benavente, M., Schlecker, M., Seager, S., Serabyn, E., Serizawa, T., Stangret, M., Takahashi, A., Teng, H.-Y., Tamura, M., Terada, Y., Ueda, A., Usuda, T., Vanderspek, R., Vievard, S., Watanabe, D., Winn, J. N., Zapatero Osorio, M. R.: Gliese 12 b: A Temperate Earth-sized Planet at 12 pc Ideal for Atmospheric Transmission Spectroscopy. *Astrophys. J.* 967 (2024), L21.
1402. Boogaard, L. A., Gillman, S., Melinder, J., Walter, F., Colina, L., Östlin, G., Caputi, K. I., Iani, E., Pérez-González, P., van der Werf, P., Greve, T. R., Wright, G., Alonso-Herrero, A., Álvarez-Márquez, J., Annunziatella, M., Bik, A., Bosman, S., Costantin, L., Crespo Gómez, A., Dicken, D., Eckart, A., Hjorth, J., Jermain, I., Labiano, A., Langeroodi, D., Meyer, R. A., Moutard, T., Peißker, F., Pye, J. P., Rinaldi, P., Tikkanen, T. V., Topinka, M., Henning, Th.: MIDIS: JWST/MIRI Reveals the Stellar Structure of ALMA-selected Galaxies in the Hubble Ultra Deep Field at Cosmic Noon. *Astrophys. J.* 969 (2024), 27.
1403. Caputi, K. I., Rinaldi, P., Iani, E., Pérez-González, P. G., Östlin, G., Colina, L., Greve, T. R., Nørgaard-Nielsen, H. U., Wright, G. S., Álvarez-Márquez, J., Eckart, A., Hjorth, J., Labiano, A., Le Fèvre, O., Walter, F., van der Werf, P., Boogaard, L., Costantin, L., Crespo Gómez, A., Gillman, S., Jermain, I., Langeroodi, D., Melinder, J., Peißker, F., Güdel, M., Henning, Th., Lagage, P. O., Ray, T. P.: MIDIS: The Relation between Strong (H β + [O III]) Emission, Star Formation, and Burstiness around the Epoch of Reionization. *Astrophys. J.* 969 (2024), 159.
1404. Pérez-González, P. G., Rinaldi, P., Caputi, K. I., Álvarez-Márquez, J., Annunziatella, M., Langeroodi, D., Moutard, T., Boogaard, L., Iani, E., Melinder, J., Costantin, L., Östlin, G., Colina, L., Greve, T. R., Wright, G., Alonso-Herrero, A., Bik, A., Bosman, S. E. I., Crespo Gómez, A., Dicken, D., Eckart, A., García-Marín, M., Gillman, S., Güdel, M., Henning, Th., Hjorth, J., Jermain, I., Labiano, A., Meyer, R. A., Peißker, F., Pye, J. P., Ray, T. P., Tikkanen, T., Walter, F., van der Werf, P. P.: A NIRCdark Galaxy Detected with the MIRI/F1000W Filter in the MIDIS/JADES Hubble Ultra Deep Field. *Astrophys. J.* 969 (2024), L10.
1405. Sierra, A., Pérez, L. M., Sotomayor, B., Benisty, M., Chandler, C. J., Andrews, S., Carpenter, J., Henning, Th., Testi, L., Ricci, L., Wilner, D.: Constraints on the Physical Origin of Large Cavities in Transition Disks from Multiwavelength Dust Continuum Emission. *Astrophys. J.* 974 (2024), 306.
1406. Kashyap, P., Majumdar, L., Dutrey, A., Guilloteau, S., Willacy, K., Chapillon, E., Teague, R., Semenov, D., Henning, Th., Turner, N., Sahai, R., Kóspál, Á., Coutens, A., Piétu, V., Gratier, P., Ruaud, M., Phuong, N. T., Di Folco, E., Lee, C.-F., Tang, Y.-W.: Chemistry in the GG Tau A Disk: Constraints from H $_2$ D $^+$, N $_2$ H $^+$, and DCO $^+$ High Angular Resolution ALMA Observations. *Astrophys. J.* 976 (2024), 258.

1407. Pawellek, N., Moór, A., Kirchschrager, F., Milli, J., Kóspál, Á., Ábrahám, P., Marino, S., Wyatt, M., Rebollido, I., Hughes, A. M., Cantalloube, F., Henning, Th.: The Debris Disc of HD 131488: Bringing Together Thermal Emission and Scattered Light. *MNRAS* 527 (2024), 3559-3584.
1408. Liu, P., Biller, B. A., Vos, J. M., Whiteford, N., Zhang, Z., Liu, M. C., Fontanive, C., Manjavacas, E., Henning, Th., Kenworthy, M. A., Bonavita, M., Bonnefoy, M., Bubb, E., Petrus, S., Schlieder, J.: A Near-infrared Variability Survey of Young Planetary-mass Objects. *MNRAS* 527 (2024), 6624-6674.
1409. Petz, S., Johnson, M. C., Asnodkar, A. P., Wang, J., Gaudi, B. S., Henning, Th., Keles, E., Molaverdikhani, K., Poppenhaeger, K., Scandariato, G., Shkolnik, E. K., Sicilia, D., Strassmeier, K. G., Yan, F.: The PEPSI Exoplanet Transit Survey (PETS) - IV. Assessing the Atmospheric Chemistry of KELT-20b. *MNRAS* 527 (2024), 7079-7092.
1410. Lin, Z.-Y. D., Li, Z.-Y., Stephens, I. W., Fernández-López, M., Carrasco-González, C., Chandler, C. J., Pasetto, A., Looney, L. W., Yang, H., Harrison, R. E., Sadavoy, S. I., Henning, Th., Hughes, A. M., Kataoka, A., Kwon, W., Muto, T., Segura-Cox, D.: Panchromatic (Sub)millimeter Polarization Observations of HL Tau Unveil Aligned Scattering Grains. *MNRAS* 528 (2024), 843-862.
1411. Moór, A., Ábrahám, P., Su, K. Y. L., Henning, Th., Marino, S., Chen, L., Kóspál, Á., Pawellek, N., Varga, J., Vida, K.: Abundant Sub-micron Grains Revealed in Newly Discovered Extreme Debris Discs. *MNRAS* 528 (2024), 4528-4546.
1412. Narang, M., Manoj, P., Chandra, C. H. I., Banerjee, B., Tyagi, H., Tamura, M., Henning, Th., Mathew, B., Lazio, J., Surya, A., Nayak, P. K.: A uGMRT Search for Radio Emission from Planets around Evolved Stars. *MNRAS* 529 (2024), 1161-1168.
1413. Davis, Y. T., Triaud, A. H. M. J., Freckelton, A. V., Mortier, A., Sebastian, D., Brahm, R., Baycroft, T., Dransfield, G., Duck, A., Henning, Th., Hobson, M. J., Jordán, A., Kunovac, V., Martin, D. V., Maxted, P. F. L., Sairam, L., Standing, M. R., Swayne, M. I., Trifonov, T., Udry, S.: The EBLM Project XII. An Eccentric, Long-period Eclipsing Binary with a Companion Near the Hydrogen-burning Limit. *MNRAS* 530 (2024), 2565-2571.
1414. Keles, E., Czesla, S., Poppenhaeger, K., Hauschildt, P., Carroll, T. A., Ilyin, I., Baratella, M., Steffen, M., Strassmeier, K. G., Bonomo, A. S., Gaudi, B. S., Henning, Th., Johnson, M. C., Molaverdikhani, K., Nascimbeni, V., Patience, J., Reiners, A., Scandariato, G., Schlawin, E., Shkolnik, E., Sicilia, D., Sozzetti, A., Mallonn, M., Veillet, C., Wang, J., Yan, F.: The PEPSI Exoplanet Transit Survey (PETS) - V. New Na D Transmission Spectra Indicate a Quieter Atmosphere on HD 189733b. *MNRAS* 530 (2024), 4826-4838.
1415. Gill, S., Bayliss, D., Ulmer-Moll, S., Wheatley, P. J., Brahm, R., Anderson, D. R., Armstrong, D., Apergis, I., Alves, D. R., Burleigh, M. R., Butler, R. P., Bouchy, F., Battley, M. P., Bryant, E. M., Bieryla, A., Crane, J. D., Collins, K. A., Casewell,

- S. L., Carleo, I., Claringbold, A. B., Dalba, P. A., Dragomir, D., Eig Müller, P., Eberhardt, J., Fausnaugh, M., Günther, M. N., Grieves, N., Goad, M. R., Gillen, E., Hagelberg, J., Hobson, M., Hedges, C., Henderson, B. A., Hawthorn, F., Henning, Th., Jones, M. I., Jordán, A., Jenkins, J. S., Kunimoto, M., Krenn, A. F., Kendall, A., Lendl, M., McCormac, J., Moyano, M., Torres-Miranda, P., Nielsen, L. D., Osborn, A., Otegi, J., Osborn, H., Quinn, S. N., Rodriguez, J. E., Ramsay, G., Schlecker, M., Sheckman, S. A., Seager, S., Tilbrook, R. H., Trifonov, T., Teske, J. K., Udry, S., Vines, J. I., West, R. R., Wohler, B., Winn, J. N., Wang, S. X., Zhou, G., Zivave, T.: TOI-2447 b / NGTS-29 b: a 69-day Saturn around a Solar Analogue. *MNRAS* 532 (2024), 1444-1458.
1416. Biller, B. A., Vos, J. M., Zhou, Y., McCarthy, A. M., Tan, X., Crossfield, I. J. M., Whiteford, N., Suarez, G., Faherty, J., Manjavacas, E., Chen, X., Liu, P., Sutcliffe, B. J., Limbach, M. A., Mollière, P., Dupuy, T. J., Oliveros-Gomez, N., Muirhead, P. S., Henning, Th., Mace, G., Crouzet, N., Karalidi, T., Morley, C. V., Tremblin, P., Kataria, T.: The JWST Weather Report from the Nearest Brown Dwarfs I: Multi-period JWST NIRSpec + MIRI Monitoring of the Benchmark Binary Brown Dwarf WISE 1049AB. *MNRAS* 532 (2024), 2207-2233.
1417. Henderson, B. A., Casewell, S. L., Jordán, A., Brahm, R., Henning, Th., Gill, S., Mayorga, L. C., Ziegler, C., Stassun, K. G., Goad, M. R., Acton, J., Alves, D. R., Anderson, D. R., Apergis, I., Armstrong, D. J., Bayliss, D., Burleigh, M. R., Dragomir, D., Gillen, E., Günther, M. N., Hedges, C., Hesse, K. M., Hobson, M., Jenkins, J. S., Jenkins, J. M., Kendall, A., Lendl, M., Lund, M. B., McCormac, J., Moyano, M., Osborn, A., Pinto, M. T., Ramsay, G., Rapetti, D., Saha, S., Seager, S., Trifonov, T., Udry, S., Vines, J. I., West, R. G., Wheatley, P. J., Winn, J. N., Zivave, T.: TOI-2490b - the Most Eccentric Brown Dwarf Transiting in the Brown Dwarf Desert. *MNRAS* 533 (2024), 2823-2842.
1418. He, J., Pérez Rickert, P. C., Suhasaria, T., Sohler, O., Bäcker, T., Demertzi, D., Vidal, G., Henning, Th.: New Measurement of the Diffusion of Carbon Dioxide on Non-porous Amorphous Solid Water. *Molecular Physics* 122 (2024), e2176181.
1419. Dyrek, A., Min, M., Decin, L., Bouwman, J., Crouzet, N., Mollière, P., Lagage, P.-O., Konings, T., Tremblin, P., Güdel, M., Pye, J., Waters, R., Henning, Th., Vandenbussche, B., Ardevol Martinez, F., Argyriou, I., Ducrot, E., Heinke, L., van Looveren, G., Absil, O., Barrado, D., Baudoz, P., Boccaletti, A., Cossou, C., Coulais, A., Edwards, B., Gastaud, R., Glasse, A., Glauser, A., Greene, T. P., Kendrew, S., Krause, O., Lahuis, F., Mueller, M., Olofsson, G., Patapis, P., Rouan, D., Royer, P., Scheithauer, S., Waldmann, I., Whiteford, N., Colina, L., van Dishoeck, E. F., Östlin, G., Ray, T. P., Wright, G.: SO₂, Silicate Clouds, but no CH₄ Detected in a Warm Neptune. *Nature* 625 (2024), 51-54.
1420. Xuan, J. W., Mérand, A., Thompson, W., Zhang, Y., Lacour, S., Blakely, D., Mawet, D., Oppenheimer, R., Kammerer, J., Batygin, K., Sanghi, A., Wang, J., Ruffio, J.-B., Liu, M. C., Knutson, H., Brandner, W., Burgasser, A., Rickman, E., Bowens-Rubin, R., Salama, M., Balmer, W., Blunt, S., Bourdarot, G., Caselli, P., Chauvin, G.,

- Davies, R., Drescher, A., Eckart, A., Eisenhauer, F., Fabricius, M., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Garcia, P., Genzel, R., Gillessen, S., Grant, S., Hartl, M., Haußmann, F., Henning, Th., Hinkley, S., Hönig, S. F., Horrobin, M., Houllé, M., Janson, M., Kervella, P., Kral, Q., Kreidberg, L., Le Bouquin, J.-B., Lutz, D., Mang, F., Marleau, G.-D., Millour, F., More, N., Nowak, M., Ott, T., Otten, G., Paumard, T., Rabien, S., Rau, C., Ribeiro, D. C., Sadun Bordoni, M., Sauter, J., Shangguan, J., Shimizu, T. T., Sykes, C., Soulain, A., Spezzano, S., Straubmeier, C., Stolker, T., Sturm, E., Subroweit, M., Tacconi, L. J., van Dishoeck, E. F., Vigan, A., Widmann, F., Wieprecht, E., Winterhalder, T. O., Woillez, J.: The Cool Brown Dwarf Gliese 229 B is a Close Binary. *Nature* 634 (2024), 1070-1074.
1421. Burn, R., Mordasini, C., Mishra, L., Haldemann, J., Venturini, J., Emsenhuber, A., Henning, Th.: A Radius Valley between Migrated Steam Worlds and Evaporated Rocky Cores. *Nature Astron.* 8 (2024), 463-471.
1422. Li, S., Sanhueza, P., Beuther, H., Chen, H.-R. V., Kuiper, R., Olguin, F. A., Pudritz, R. E., Stephens, I. W., Zhang, Q., Nakamura, F., Lu, X., Kuruwita, R. L., Sakai, T., Henning, Th., Taniguchi, K., Li, F.: Observations of High-order Multiplicity in a High-mass Stellar Protocluster. *Nature Astron.* 8 (2024), 472-481.
1423. Bosman, S. E. I., Álvarez-Márquez, J., Colina, L., Walter, F., Alonso-Herrero, A., Ward, M. J., Östlin, G., Greve, T. R., Wright, G., Bik, A., Boogaard, L., Caputi, K., Costantin, L., Eckart, A., García-Marín, M., Gillman, S., Hjorth, J., Iani, E., Ilbert, O., Jermann, I., Labiano, A., Langeroodi, D., Peißker, F., Rinaldi, P., Topinka, M., van der Werf, P., Güdel, M., Henning, Th., Lagage, P.-O., Ray, T. P., van Dishoeck, E. F., Vandenbussche, B.: A Mature Quasar at Cosmic Dawn Revealed by JWST Rest-frame Infrared Spectroscopy. *Nature Astron.* 8 (2024), 1054-1065
1424. Henning, Th., Kamp, I., Samland, M., Arabhavi, A. M., Kanwar, J., van Dishoeck, E. F., Güdel, M., Lagage, P.-O., Waelkens, C., Abergel, A., Absil, O., Barrado, D., Boccaletti, A., Bouwman, J., Caratti o Garatti, A., Geers, V., Glauser, A. M., Lahuis, F., Mueller, M., Nehmé, C., Olofsson, G., Pantin, E., Ray, T. P., Scheithauer, S., Vandenbussche, B., Waters, L. B. F. M., Wright, G., Argyriou, I., Christiaens, V., Franceschi, R., Gasman, D., Grant, S. L., Guadarrama, R., Jang, H., Morales-Calderón, M., Pawellek, N., Perotti, G., Rodgers-Lee, D., Schreiber, J., Schwarz, K., Tabone, B., Temmink, M., Vlasblom, M., Colina, L., Greve, T. R., Östlin, G.: MINDS: The JWST MIRI Mid-INfrared Disk Survey. *PASP* 136 (2024), 054302.
1425. Krasnokutski, S. A., Jäger, C., Henning, Th., Geffroy, C., Remaury, Q. B., Poinot, P.: Formation of Extraterrestrial Peptides and their Derivatives. *Science Advances* 10 (2024), ead7179.
1426. Liu, Y., Roussel, H., Linz, H., Fang, M., Wolf, S., Kirchschrager, F., Henning, Th., Yang, H., Du, F., Flock, M., Wang, H.: Dust Mass in Protoplanetary Disks with Porous Dust Opacities. *Astron. Astrophys.* 692 (2025), A148.
1427. GRAVITY Collaboration, Abd El Dayem, K., Abuter, R., Aimar, N., Amaro Seoane, P., Amorim, A., Beck, J., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W.,

- Cardoso, V., Capuzzo Dolcetta, R., Clénet, Y., Davies, R., de Zeeuw, P. T., Drescher, A., Eckart, A., Eisenhauer, F., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Foschi, A., Gao, F., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Hartl, M., Haubois, X., Haussmann, F., Heißel, G., Henning, Th., Hippler, S., Horrobin, M., Jochum, L., Jocu, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrière, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., More, N., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Urso, I., Vincent, F., von Fellenberg, S. D., Widmann, F., Wieprecht, E., Woillez, J., Zhang, F.: Improving Constraints on the Extended Mass Distribution in the Galactic Center with Stellar Orbits. *Astron. Astrophys.* 692 (2025), A242.
1428. Rezaei Kh., S., Beuther, H., Benjamin, R. A., Eilers, A.-C., Henning, Th., Jiménez-Donaire, M. J., Miville-Deschênes, M.-A.: 3D Structure of the Milky Way out to 10 kpc from the Sun: Catalogue of Large Molecular Clouds in the Galactic Plane. *Astron. Astrophys.* 692 (2025), A255.
1429. Vlasblom, M., Temmink, M., Grant, S. L., Kurtovic, N., Sellek, A. D., van Dishoeck, E. F., Güdel, M., Henning, Th., Lagage, P.-O., Barrado, D., Caratti o Garatti, A., Glauser, A. M., Kamp, I., Lahuis, F., Olofsson, G., Arabhavi, A. M., Christiaens, V., Gasman, D., Jang, H., Morales-Calderón, M., Perotti, G., Schwarz, K., Tabone, B.: MINDS. JWST-MIRI Reveals a Peculiar CO₂-rich Chemistry in the Drift-dominated Disk CX Tau. *Astron. Astrophys.* 693 (2025), A278.
1430. Mâlin, M., Boccaletti, A., Perrot, C., Baudoz, P., Rouan, D., Lagage, P.-O., Waters, R., Güdel, M., Henning, Th., Vandenbussche, B., Absil, O., Barrado, D., Charnay, B., Choquet, E., Cossou, C., Danielski, C., Decin, L., Glauser, A. M., Pye, J., Olofsson, G., Glasse, A., Patapis, P., Royer, P., Scheithauer, S., Serabyn, E., Tremblin, P., Whiteford, N., van Dishoeck, E. F., Ostlin, G., Ray, T. P., Wright, G.: First Unambiguous Detection of Ammonia in the Atmosphere of a Planetary Mass Companion with JWST/MIRI Coronagraphs. *Astron. Astrophys.* 693 (2025), A315.
1431. Heidari, N., Hêbrard, G., Martioli, E., Eastman, J. D., Jackson, J. M., Delfosse, X., Jordân, A., Correia, A. C. M., Sousa, S., Dragomir, D., Forveille, T., Boisse, I., Giacalone, S. A., Díaz, R. F., Brahm, R., Almasian, D., Almenara, J. M., Bieryla, A., Barkaoui, K., Baker, D., Barros, S. C. C., Bonfils, X., Carmona, A., Collins, K. A., Cortês-Zuleta, P., Deleuil, M., Demangeon, O. D. S., Edwards, B., Eberhardt, J., Espinoza, N., Eisner, N., Feliz, D. L., Frommer, A. C., Fukui, A., Grau, F., Gupta, A. F., Hara, N., Hobson, M., Henning, Th., Howell, S. B., Jenkins, J. M., Kiefer, F., LaCourse, D. M., Laskar, J., Law, N., Mann, A. W., Murgas, F., Moutou, C., Narita, N., Palle, E., Relles, H. M., Stassun, K. G., Serrano Bell, J., Schwarz, R. P., Srdoc, G., Strøm, P. A., Safonov, B., Sarkis, P., Schlecker, M., Tala Pinto, M., Pepper, J., Rojas, F. I., Twicken, J. D., Trifonov, T., Villanueva, S., Watkins, C. N., Winn, J. N., Ziegler, C.: Characterization of Seven Transiting Systems, Including Four Warm Jupiters from SOPHIE and TESS. *Astron. Astrophys.* 694 (2025), A36.

1432. Gasman, D., Temmink, M., van Dishoeck, E. F., Kurtovic, N. T., Grant, S. L., Sellek, A., Tabone, B., Henning, Th., Kamp, I., Güdel, M., Barrado, D., Caratti o Garatti, A., Glauser, A. M., Waters, L. B. F. M., Arabhavi, A. M., Jang, H., Kanwar, J., Lienert, J. L., Perotti, G., Schwarz, K., Vlasblom, M.: MINDS: The Influence of Outer Dust Disc Structure on the Volatile Delivery to the Inner Disc. *Astron. Astrophys.* 694 (2025), A147.
1433. Francis, L., van Dishoeck, E. F., Caratti o Garatti, A., van Gelder, M. L., Gieser, C., Beuther, H., Ray, T. P., Tychoniec, L., Nazari, P., Reyes, S., Kavanagh, P. J., Klaassen, P., Güdel, M., Henning, Th.: JOYS: The [D/H] Abundance Derived from Protostellar Outflows across the Galactic Disk Measured with JWST. *Astron. Astrophys.* 694 (2025), A174.
1434. Tala Pinto, M., Jordán, A., Acuña, L., Jones, M., Brahm, R., Reinarz, Y., Eberhardt, J., Espinoza, N., Henning, Th., Hobson, M., Rojas, F., Schlecker, M., Trifonov, T., Bakos, G., Boyle, G., Csubry, Z., Hartmann, J., Knepper, B., Kreidberg, L., Suc, V., Teske, J., Butler, R. P., Crane, J., Schectman, S., Thompson, I., Osip, D., Ricker, G., Collins, K. A., Watkins, C. N., Bieryla, A., Stockdale, C., Wang, G., Zambelli, R., Seager, S., Winn, J., Rose, M. E., Rice, M., Essack, Z.: Three Warm Jupiters Orbiting TOI-6628, TOI-3837, and TOI-5027 and One Sub-Saturn Orbiting TOI-2328. *Astron. Astrophys.* 694 (2025), A268.
1435. Ricciardi, G., van Terwisga, S. E., Roccatagliata, V., Hacar, A., Henning, Th., Del Pozzo, W.: Survey of Orion Disks with ALMA (SODA): III. Disks in Wide Binary Systems in L1641 and L1647. *Astron. Astrophys.* 695 (2025), A257.
1436. Östlin, G., Pérez-González, P. G., Melinder, J., Gillman, S., Iani, E., Costantin, L., Boogaard, L. A., Rinaldi, P., Colina, L., Nørgaard-Nielsen, H. U., Dicken, D., Greve, T. R., Wright, G., Alonso-Herrero, A., Álvarez-Márquez, J., Annunziatella, M., Bik, A., Bosman, S. E. I., Caputi, K. I., Crespo Gomez, A., Eckart, A., Garcia-Marin, M., Hjorth, J., Ilbert, O., Jermann, I., Kendrew, S., Labiano, A., Langeroodi, D., Le Fevre, O., Libralato, M., Meyer, R. A., Moutard, T., Peissker, F., Pye, J. P., Tikkanen, T. V., Topinka, M., Walter, F., Ward, M., van der Werf, P., van Dishoeck, E. F., Güdel, M., Henning, Th., Lagage, P.-O., Ray, T. P., Vandenbussche, B.: MIRI Deep Imaging Survey (MIDIS) of the Hubble Ultra Deep Field: Survey Description and Early Results for the Galaxy Population Detected at $5.6\ \mu\text{m}$. *Astron. Astrophys.* 696 (2025), A57.
1437. Molinari, S., Schilke, P., Battersby, C., Ho, P. T. P., Sánchez-Monge, Á., Traficante, A., Jones, B., Beltrán, M. T., Beuther, H., Fuller, G. A., Zhang, Q., Klessen, R. S., Walch, S., Tang, Y.-W., Benedettini, M., Elia, D., Coletta, A., Mininni, C., Schisano, E., Avison, A., Law, C. Y., Nucara, A., Soler, J. D., Stroud, G., Wallace, J., Wells, M. R. A., Ahmadi, A., Brogan, C. L., Hunter, T. R., Liu, S.-Y., Pezzuto, S., Su, Y.-N., Zimmermann, B., Zhang, T., Wyrowski, F., De Angelis, F., Liu, S., Clarke, S. D., Fontani, F., Klaassen, P. D., Koch, P., Johnston, K. G., Lebreuilly, U., Liu, T., Lumsden, S. L., Moeller, T., Moscadelli, L., Kuiper, R., Lis, D., Peretto, N., Pfalzner, S., Rigby, A. J., Sanhueza, P., Rygl, K. L. J., van der Tak, F., Zinnecker, H.,

- Amaral, F., Bally, J., Bronfman, L., Cesaroni, R., Goh, K., Hoare, M. G., Hatchfield, P., Hennebelle, P., Henning, Th., Kim, K.-T., Kim, W.-J., Maud, L., Merello, M., Nakamura, F., Plume, R., Qin, S.-L., Svoboda, B., Testi, L., Veena, V. S., Walker, D.: ALMAGAL: I. The ALMA Evolutionary Study of High-mass Protocluster Formation in the Galaxy: Presentation of the Survey and Early Results. *Astron. Astrophys.* 696 (2025), A149.
1438. Rouan, D., Boccaletti, A., Perrot, C., Baudoz, P., Mâlin, M., Lagage, P.-O., Waters, R., Güdel, M., Henning, Th., Vandenbussche, B., Absil, O., Barrado, D., Cossou, C., Decin, L., Glauser, A. M., Pye, J., Patapis, P., Whiteford, N., Serabyn, E., Choquet, E., Ostlin, G., Ray, T. P., Wright, G.: MIRI-JWST Mid-infrared Direct Imaging of the Debris Disk of HD 106906: Structure and Mass of the Disk. *Astron. Astrophys.* 698 (2025), A113.
1439. Rodríguez Martínez, R., Eastman, J. D., Collins, K. A., Rodriguez, J. E., Charbonneau, D., Quinn, S. N., Latham, D. W., Ziegler, C., Brahm, R., Fairnington, T. R., Ulmer-Moll, S., Stassun, K. G., Suarez, O., Guillot, T., Hobson, M. J., Winn, J. N., Kanodia, S., Schlecker, M., Butler, R. P., Crane, J. D., Shectman, S., Teske, J. K., Osip, D., Beletsky, Y., Battley, M. P., Psaridi, A., Figueira, P., Lendl, M., Bouchy, F., Udry, S., Kunimoto, M., Mékarnia, D., Abe, L., Trifonov, T., Tala Pinto, M., Eberhardt, J., Espinoza, N., Henning, Th., Jordán, A., Rojas, F. I., Barkaoui, K., Relles, H. M., Srdoc, G., Collins, K. I., Seager, S., Shporer, A., Vezie, M., Hedges, C., Mireles, I.: Discovery and Characterization of an Eccentric, Warm Saturn Transiting the Solar Analog TOI-4994. *Astron. J.* 169 (2025), 72.
1440. Saunders, N., Grunblatt, S. K., Huber, D., Ong, J. M. J., Schlaufman, K. C., Hey, D., Li, Y., Butler, R. P., Crane, J. D., Shectman, S., Teske, J. K., Quinn, S. N., Yee, S. W., Brahm, R., Trifonov, T., Jordán, A., Henning, Th., Sing, D. K., MacGregor, M., Clark, C. A., Littlefield, C., Deveny, S., Howell, S. B., Page, E., Rapetti, D., Falk, B., Levine, A. M., Huang, C. X., Lund, M. B., Ricker, G. R., Seager, S., Winn, J. N., Jenkins, J. M.: TESS Giants Transiting Giants. VII. A Hot Saturn Orbiting an Oscillating Red Giant Star. *Astron. J.* 169 (2025), 75.
1441. Thompson, W., Blakely, D., Xuan, J. W., Bouchard-Côté, A., Bourdarot, G., Biron-Lattes, M., Campbell, T., Eisenhauer, F., Henning, Th., Janson, M., Johnstone, D., Kammerer, J., Konopacky, Q., Lacour, S., Marois, C., Mawet, D., Mérand, A., Nguyen, J. S., Nielsen, E., Rickman, E., Ruffio, J.-B., Surjanovic, N., Wang, J. J., Winterhalder, T.: On the Orbit of the Binary Brown Dwarf Companion GL229 Ba and Bb. *Astron. J.* 169 (2025), 193.
1442. Bieryla, A., Dong, J., Zhou, G., Eastman, J. D., Mayorga, L. C., Latham, D. W., Carter, B., Huang, C. X., Quinn, S. N., Collins, K. A., Abe, L., Beletsky, Y., Brahm, R., Colón, K. D., Essack, Z., Guillot, T., Henning, Th., Hobson, M. J., Horne, K., Jenkins, J. M., Jones, M. I., Jordán, A., Osip, D., Ricker, G. R., Rodriguez, J. E., Schulte, J., Schwarz, R. P., Seager, S., Shporer, A., Suarez, O., Tan, T.-G., Ting, E. B., Triaud, A., Vanderburg, A., Villaseñor, J. N., Vowell, N., Watkins, C. N.,

- Winn, J. N., Ziegler, C.: TOI-2005b: An Eccentric Warm Jupiter in Spin-orbit Alignment. *Astron. J.* 169 (2025), 273.
1443. Eberhardt, J., Trifonov, T., Henning, Th., Tala Pinto, M., Brahm, R., Jordán, A., Espinoza, N., Jones, M. I., Hobson, M. J., Rojas, F. I., Schlecker, M., Acuña, L., Burn, R., Boyle, G., Leiva, R., McCormac, J., Dunckel, N., Dragomir, D., Crane, J. D., Sheckman, S., Teske, J. K., Osip, D., Gupta, A. F., Ulmer-Moll, S., Bouchy, F., Lendl, M., Gandolfi, D., Ricker, G. R., Jenkins, J. M., Seager, S., Winn, J. N.: TOI-6695: A Pair of Near-resonant Massive Planets Observed with TESS from the WINE Survey. *Astron. J.* 169 (2025), 298.
1444. Vítková, M., Brahm, R., Trifonov, T., Kabáth, P., Jordán, A., Henning, Th., Hobson, M., Eberhardt, J., Pinto, M. T., Rojas, F. I., Espinoza, N., Schlecker, M., Jones, M. I., Moyano, M., Eyheramendy, S., Ziegler, C., Lissauer, J. J., Vanderburg, A., Collins, K. A., Wohler, B., Watanabe, D., Ricker, G. R., Vanderspek, R., Seager, S., Winn, J. N., Jenkins, J. M., Skarka, M.: TOI-4504: Exceptionally Large Transit Timing Variations Induced by Two Resonant Warm Gas Giants in a Three-planet System. *Astrophys. J.* 978 (2025), L22.
1445. Nozari, P., Sadavoy, S., Chapillon, E., Mason, B., Friesen, R., Lowe, I., Stanke, T., Di Francesco, J., Henning, Th., Zhang, Q., Stutz, A.: Peculiar Dust Emission within the Orion Molecular Cloud. *Astrophys. J.* 979 (2025), 142.
1446. Schwarz, K., Samland, M., Olofsson, G., Henning, Th., Sellek, A., Güdel, M., Tabone, B., Kamp, I., Lagage, P.-O., van Dishoeck, E. F., Caratti o Garatti, A., Glauser, A. M., Ray, T. P., Arabhavi, A. M., Christiaens, V., Franceschi, R., Gsman, D., Grant, S. L., Kanwar, J., Kaeufer, T., Kurtovic, N. T., Perotti, G., Temmink, M., Vlasblom, M.: MINDS. JWST-MIRI Observations of a Spatially Resolved Atomic Jet and Polychromatic Molecular Wind toward SY Cha. *Astrophys. J.* 980 (2025), 148.
1447. Matthews, E. C., Mollière, P., Kühnle, H., Patapis, P., Whiteford, N., Samland, M., Lagage, P.-O., Waters, R., Tsai, S.-M., Zahnle, K., Guedel, M., Henning, Th., Vandenbussche, B., Absil, O., Argyriou, I., Barrado, D., Coulais, A., Glauser, A. M., Olofsson, G., Pye, J. P., Rouan, D., Royer, P., van Dishoeck, E. F., Ray, T. P., Östlin, G.: HCN and C₂H₂ in the Atmosphere of a T8.5+T9 Brown Dwarf Binary. *Astrophys. J.* 981 (2025), L31.
1448. Juhász, T., Varga, J., Ábrahám, P., Kóspál, Á., Lykou, F., Chen, L., Moór, A., Cruz-Sáenz de Miera, F., Lopez, B., Matter, A., van Boekel, R., Hogerheijde, M., Abello, M., Augereau, J.-C., Boley, P., Danchi, W. C., Henning, Th., Letessier, M., Ma, J., Priole, P., Scheuck, M., Weigelt, G., Wolf, S.: Evidence for an Accretion Bridge in the DX Cha Circumbinary System from VLTI/MATISSE Observations. *Astrophys. J.* 982 (2025), 36.
1449. Voyer, M., Changeat, Q., Lagage, P.-O., Tremblin, P., Waters, R., Güdel, M., Henning, Th., Absil, O., Barrado, D., Boccaletti, A., Bouwman, J., Coulais, A., Decin, L., Glauser, A. M., Pye, J., Glasse, A., Gastaud, R., Kendrew, S., Patapis, P.,

- Rouan, D., van Dishoeck, E. F., Östlin, G., Ray, T. P., Wright, G.: MIRI-LRS Spectrum of a Cold Exoplanet around a White Dwarf: Water, Ammonia, and Methane Measurements. *Astrophys. J.* 982 (2025), L38.
1450. Ray, S., Sallum, S., Hinkley, S., Sivamarakrishnan, A., Cooper, R., Kammerer, J., Greebaum, A. Z., Thatte, D., Lazzoni, C., Tokovinin, A., de Furio, M., Factor, S., Meyer, M., Stone, J. M., Carter, A., Biller, B., Skemer, A., Suarez, G., Leisenring, J. M., Perrin, M. D., Kraus, A. L., Absil, O., Balmer, W. O., Bonnefoy, M., Bryan, M. L., Betti, S. K., Boccaletti, A., Bonavita, M., Booth, M., Bowler, B. P., Briese-meister, Z. W., Cantalloube, F., Chauvin, G., Christiaens, V., Cugno, G., Currie, T., Danielski, C., Dupuy, T. J., Faherty, J. K., Chen, C. H., Calissendorff, P., Choquet, E., Fitzgerald, M. P., Fortney, J. J., Franson, K., Girard, J. H., Grady, C. A., Gonzales, E. C., Henning, Th., Hines, D. C., Hoch, K. K. W., Hood, C. E., Howe, A. R., Janson, M., Kalas, P., Kennedy, G. M., Kenworthy, M. A., Kervella, P., Kitzmann, D., Kuzuhara, M., Lagrange, A.-M., Lagage, P.-O., Lawson, K., Lew, B. W. P., Liu, M. C., Liu, P., Llop-Sayson, J., Lloyd, J. P., Lueber, A., Macintosh, B., Manjavacas, E., Marino, S., Marley, M. S., Marois, C., Martinez, R. A., Matthews, B. C., Matthews, E. C., Mawet, D., Mazoyer, J., McElwain, M. W., Metchev, S., Miles, B. E., Millar-Blanchaer, M. A., Molliere, P., Moran, S. E., Morley, C. V., Mukherjee, S., Palma-Bifani, P., Pantin, E., Patapis, P., Petrus, S., Pueyo, L., Quanz, S. P., Quirrenbach, A., Rebollido, I., Adams Redai, J., Ren, B. B., Rickman, E., Samland, M., Sargent, B. A., Schlieder, J. E., Schneider, G., Stapelfeldt, K. R., Sutcliffe, B. J., Tamura, M., Tan, X., Theissen, C. A., Uyama, T., Vigan, A., Vasist, M., Vos, J. M., Wagner, K., Wang, J. J., Ward-Duong, K., Whiteford, N., Wolff, S. G., Worthen, K., Wyatt, M. C., Ygouf, M., Zhang, X., Zhang, K., Zhang, Z., Zhou, Y.: The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems III: Aperture Masking Interferometric Observations of the Star HIP 65426 at 3.8 μm . *Astrophys. J.* 983 (2025), L25.
1451. Arabhavi, A. M., Kamp, I., van Dishoeck, E. F., Henning, Th., Jang, H., Christiaens, V., Gasman, D., Pascucci, I., Perotti, G., Grant, S. L., Barrado, D., Güdel, M., Lagage, P.-O., Caratti o Garatti, A., Lahuis, F., Waters, L. B. F. M., Kaeufer, T., Kanwar, J., Morales-Calderón, M., Schwarz, K., Sellek, A. D., Tabone, B., Temmink, M., Vlasblom, M.: MINDS: The Very Low-mass Star and Brown Dwarf Sample Hidden Water in Carbon-dominated Protoplanetary Disks. *Astrophys. J.* 984 (2025), L62.
1452. Paschek, K., Henning, Th., Molaverdikhani, K., Miyazaki, Y., Pearce, B. K. D., Pudritz, R. E., Semenov, D. A.: Deep Mantle–Atmosphere Coupling and Carbonaceous Bombardment: Options for Biomolecule Formation on an Oxidized Early Earth. *Astrophys. J.* 985 (2025), 50.
1453. Portilla-Revelo, B., Getman, K. V., Ramírez-Tannus, M. C., Haworth, T. J., Waters, R., Bik, A., Feigelson, E. D., Kamp, I., van Terwisga, S. E., Frediani, J., Henning, Th., Winter, A. J., Roccatagliata, V., Preibisch, T., Sabbi, E., Zeidler, P., Kuhn, M. A.: XUE: Thermochemical Modeling Suggests a Compact and Gas-

depleted Structure for a Distant, Irradiated Protoplanetary Disk. *Astrophys. J.* 985 (2025), 72.

1454. Zeegers, S. T., Marshall, J. P., Gordon, K. D., Misselt, K. A., Otten, G. P. P. L., Bouwman, J., Chiar, J., Decleir, M., Dharmawardena, T., Kemper, F., Li, A., Narang, M., Potapov, A., Puravankara, M., Scicluna, P., Tyagi, H., Zari, E., Wei, C., Kaper, L., Backs, F., Bromley, S. T., Chu, L., Costantini, E., Geballe, T. R., Green, J. D., Gunasekera, C., Günay, B., Henning, Th., Jones, O., Mariñoso Guiu, J., McClure, M., Pendleton, Y. J., Roman-Duval, J. C., Shenar, T., Tielens, A. G. G. M., Waters, L. B. F. M.: Investigating Silicate, Carbon, and Water in the Diffuse Interstellar Medium: the First Shots from WISCI. *Astrophys. J.* 987 (2025), 25.
1455. Dubey, D., Majumdar, L., Beichman, C., Blake, G. A., Vasisht, G., Henning, Th.: Quantified Estimation of Molecular Detections across Different Classes of Neptunian Atmospheres Using Cross-correlation Spectroscopy: Prospects for Future Extremely Large Telescopes with High-resolution Spectrographs. *Astrophys. J. Sup.* 278 (2025), 19.
1456. Sanghi, A., Beichman, C., Mawet, D., Balmer, W. O., Llop-Sayson, J., Pueyo, L., Kervella, P., Boccaletti, A., Lagage, P.-O., Sommer, M., Wyatt, M., Godoy, N., Choquet, E., Wagner, K., Aguilar, J., Akeson, R., Belikov, R., Bidot, A., Bryden, G., Fomalont, E., Henning, Th., Hines, D., Hu, R., Leisenring, J., Lissauer, J. J., Quarles, B., Ressler, M., Serabyn, E., Ygouf, M., Zilinskas, M.: A Preliminary Search for Planets and Exozodiacal Emission around α Centauri A with JWST/MIRI. *RNAAS* 9 (2025), 119.
1457. Rodel, T., Watson, C. A., Ulmer-Moll, S., Gill, S., Maxted, P. F. L., Casewell, S. L., Brahm, R., Wilson, T. G., Costes, J. C., Eschen, Y. N. E., Doyle, L., Freckelton, A. V., Alves, D. R., Apergis, I., Bayliss, D., Bouchy, F., Burleigh, M. R., Dumusque, X., Eberhardt, J., Fernández Fernández, J., Gillen, E., Goad, M. R., Hawthorn, F., Helled, R., Henning, Th., Hobbs, K. L., Jenkins, J. S., Jordán, A., Kendall, A., Lendl, M., McCormac, J., de Mooij, E. J. W., O’Brien, S. M., Saha, S., Pinto, M. T., Trifonov, T., Udry, S., Wheatley, P. J.: NGTS-EB-7, an Eccentric, Long-period, Low-mass Eclipsing Binary. *MNRAS* 537 (2025), 35-55.
1458. Chen, X., Biller, B. A., Tan, X., Vos, J. M., Zhou, Y., Suárez, G., McCarthy, A. M., Morley, C. V., Whiteford, N., Dupuy, T. J., Faherty, J., Sutcliffe, B. J., Oliveros-Gomez, N., Manjavacas, E., Limbach, M. A., Lee, E. K. H., Karalidi, T., Crossfield, I. J. M., Liu, P., Mollière, P., Muirhead, P. S., Henning, Th., Mace, G., Crouzet, N., Kataria, T.: The JWST Weather Report from the Nearest Brown Dwarfs II: Consistent Variability Mechanisms over 7 Months Revealed by 1-14 μm NIRSpec + MIRI Monitoring of WISE 1049AB. *MNRAS* 539 (2025), 3758-3777.
1459. Ducrot, E., Lagage, P.-O., Min, M., Gillon, M., Bell, T. J., Tremblin, P., Greene, T., Dyrek, A., Bouwman, J., Waters, R., Güdel, M., Henning, Th., Vandenbussche, B., Absil, O., Barrado, D., Boccaletti, A., Coulais, A., Decin, L., Edwards, B., Gastaud, R., Glasse, A., Kendrew, S., Olofsson, G., Patapis, P., Pye, J., Rouan,

- D., Whiteford, N., Argyriou, I., Cossou, C., Glauser, A. M., Krause, O., Lahuis, F., Royer, P., Scheithauer, S., Colina, L., van Dishoeck, E. F., Ostlin, G., Ray, T. P., Wright, G.: Combined Analysis of the 12.8 and 15 μm JWST/MIRI Eclipse Observations of TRAPPIST-1 b. *Nature Astron.* 9 (2025), 358-369.
1460. Liu, Y., Li, D., Wang, H., Feng, H., Fang, M., Du, F., Henning, Th., Perotti, G.: Dust Processing in the Terrestrial Planet-forming Region of the PDS 70 Disk. *SCPMA* 68 (2025), 259511.

Articles in press

1. Bosman, S. E. I., Álvarez-Márquez, J., Colina, L., Walter, F., Alonso-Herrero, A., Ward, M. J., Östlin, G., Greve, T. R., Wright, G., Bik, A., Boogaard, L., Caputi, K. I., Costantin, L., Eckart, A., Garcéa-Marín, M., Gillman, S., Güdel, M., Henning, Th., Hjorth, J., Iani, E., Ilbert, O., Jermann, I., Labiano, A., Lagage, P.-O., Langeroodi, D., Peißker, F., Ray, T. P., Rinaldi, P., Topinka, M., van Dishoeck, E. F., van der Werf, P., Vandenbussche, B.: First Rest-frame Infrared Spectrum of a $z > 7$ Quasar: JWST/MRS Observations of J1120+064. e-prints arXiv: 230714414B (2023).
2. Costantin, L., Gillman, S., Boogaard, L. A., Pérez-González, P. G., Iani, E., Rinaldi, P., Melinder, J., Crespo Gómez, A., Colina, L., Greve, T. R., Östlin, G., Wright, G., Alonso-Herrero, A., Álvarez-Márquez, J., Annunziatella, M., Bik, A., Caputi, K. I., Dicken, D., Eckart, A., Hjorth, J., Ilbert, O., Jermann, I., Labiano, A., Langeroodi, D., Peißker, F., Pye, J. P., Tikkannen, T. V., van der Werf, P. P., Walter, F., Ward, M., Güdel, M., Henning, Th.: MIDIS. Near-infrared Rest-frame Morphology of Massive Galaxies at $3 < z < 5.5$ in the Hubble eXtreme Deep Field. e-prints arXiv: 240700153C (2024).
3. Gillman, S., Pye, J. P., Alonso-Herrero, A., Ward, M. J., Boogaard, L., Tikkannen, T. V., Colina, L., Östlin, G., Pérez-González, P. G., Costantin, L., Iani, E., Rinaldi, P., Álvarez-Márquez, J., Bik, A., Bosman, S. E. I., Crespo Gómez, A., Eckart, A., García-Marín, M., Greve, T. R., Hjorth, J., Labiano, A., Langeroodi, D., Melinder, J., Peißker, F., Walter, F., Güdel, M., Henning, Th., Lagage, P.-O., Ray, T. P.: MIDIS: Quantifying the AGN Component of X-ray-detected Galaxies. e-prints arXiv: 250111491G (2025).
4. Buiten, V., van der Werf, P., Viti, S., Dicken, D., Alonso Herrero, A., Wright, G., Böker, T., Brandl, B., Colina, L., García Marín, M., Greve, T., Guillard, P., Jones, O., Hermosa Muñoz, L., Labiano, A., Östlin, G., Pantoni, L., Ward, M., Perna, M., van Dishoeck, E., Henning, Th., Güdel, M., Ray, T.: The Rich JWST Spectrum of the Western Nucleus of Arp 220: Shocked Hot Core Chemistry Dominates the Inner Disk. e-prints arXiv: 250210271B (2025).
5. Perotti, G., Kurtovic, N. T., Henning, Th., Olofsson, G., Arabhavi, A. M., Schwarz, K., Kanwar, J., van Boekel, R., Kamp, I., Pascucci, I., van Dishoeck, E. F., Güdel, M., Lagage, P.-O., Barrado, D., Garatti, A., Caratti o, Glauser, A. M., Lahuis, F., Christiaens, V., Franceschi, R., Gasman, D., Grant, S. L., Jang, H., Kaeufer, T., Morales-Calderón, M., Temmink, M., Vlasblom, M.: MINDS. Anatomy of a Water-rich, Inclined, Brown Dwarf Disk: Lack of Abundant Hydrocarbons. e-prints arXiv: 250411424P (2025).
6. GRAVITY Collaboration, El Dayem, K. A., Abuter, R., Aimar, N., Amaro Seoane, P., Amorim, A., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Davies, R., de Zeeuw, P. T., Drescher, A., Eckart, A., Eisenhauer,

- F., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Foschi, A., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Hartl, M., Haubois, X., Haussmann, F., Henning, Th., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., Kaufer, A., Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., More, N., Osorno, J., Ott, T., Paumard, T., Perraut, K., Perrin, G., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Urso, I., Vincent, F., von Fellenberg, S. D., Wieprecht, E., Woillez, J.: On the Presence of a Fifth Force at the Galactic Center. e-prints arXiv: 250402908T (2025).
7. Ramírez-Tannus, M. C., Bik, A., Getman, K. V., Waters, R., Portilla-Revelo, B., Göppl, C., Winter, A., Frediani, J., Chaparro, G., Feigelson, E. D., Haworth, T. J., Henning, Th., Hernández, S., Lemus-Nemocón, M. A., Preibisch, T., Roccatagliata, V., Sabbi, E., Zeidler, P.: XUE. JWST Spectroscopy of Externally Irradiated Disks around Young Intermediate-mass Stars. e-prints arXiv: 250506093R (2025).
 8. Temmink, M., Sellek, A. D., Gasman, D., van Dishoeck, E. F., Vlasblom, M., Pranger, A., Güdel, M., Henning, Th., Lagage, P.-O., Garatti, A. C. O., Kamp, I., Olofsson, G., Arabhavi, A. M., Grant, S. L., Kaeufer, T., Kurtovic, N. T., Perotti, G., Samland, M., Schwarz, K., Tabone, B.: MINDS. Water Reservoirs of Compact Planet-forming Dust Disk: A Diversity of H₂O Distributions. e-prints arXiv: 250515237T (2025).
 9. Houge, A., Johansen, A., Bergin, E., Ciesla, F. J., Bitsch, B., Lambrechts, M., Henning, Th., Perotti, G.: Burned to Ashes: How the Thermal Decomposition of Refractory Organics in the Inner Protoplanetary Disc Impacts the Gas-phase C/O Ratio. e-prints arXiv: 250520427H (2025).
 10. Lienert, J. L., Bitsch, B., Henning, Th.: Changing Disc Compositions via Internal Photoevaporation II: M Dwarf Systems. e-prints arXiv: 250521470L (2025).
 11. Samland, M., Henning, Th., Garatti, A., Caratti o, Giannini, T., Bouwman, J., Tabone, B., Arabhavi, A. M., Olofsson, G., Güdel, M., Pawellek, N., Kamp, I., Waters, L. B. F. M., Semenov, D., van Dishoeck, E. F., Absil, O., Barrado, D., Boccaletti, A., Christiaens, V., Gasman, D., Grant, S. L., Jang, H., Kaeufer, T., Kanwar, J., Perotti, G., Schwarz, K., Temmink, M.: MINDS: Detection of an Inner Gas Disk Caused by Evaporating Bodies around HD 172555. e-prints arXiv: 250609976S (2025).

Invited review articles

1. Henning, Th.: Early Stages of Stellar Evolution and the Formation of Protostellar Disks: An Overview, *Geodätische und Geophysikalische Veröffentlichungen*, Veröff. R. III H. 55 (1988), 4-15.
2. Gürtler, J., Henning, Th., Dorschner, J.: Properties of Circumstellar Silicate Dust, *Astron. Nachr.* 310 (1989), 319-327.
3. Henning, Th.: Formation and Early Evolution of Massive Stars, *Fund. of Cosmic Physics* 14 (1990), 322-442.
4. Henning, Th.: Very Early Stages of Massive Stars, In: F. Palla, P. Persi, H. Zinnecker (eds.), *Young Star Clusters and Early Stellar Evolution*, *J. Ital. Astron. Soc.* 62 (1992), 887-895.
5. Henning, Th.: Modelling Dust in the Interstellar Medium – An Introductory Review – *Proceed. of the CCP7 Workshop*, Edinburgh (1993).
6. Yorke, H.W., Henning, Th.: Opacity Problems in Protostellar Objects, In: U.G. Jørgensen (ed.), *Molecules in the Stellar Environment* (IAU Coll. No. 146), Springer Verlag, Berlin u.a. (1994), 186-195.
7. Dorschner, J., Henning, Th.: Dust Metamorphosis in the Galaxy, *Astron. Astrophys. Rev.* 6 (1995), 271-333.
8. Henning, Th., Michel, B., Stognienko, R.: Dust Opacities in Dense Regions, *Planet. Space Sci.* 43 (1995), 1333-1343.
9. Henning, Th.: Dust Opacities for Molecular Cloud Cores and Protoplanetary Accretion Disks, In: H.U. Käuffl, R. Siebenmorgen (eds.), *The Role of Dust in the Formation of Stars*, Springer-Verlag, Berlin u.a. (1996), 250-257.
10. Henning, Th.: Circumstellar Dust around Young Stellar Objects, In: J.M. Greenberg (ed.): *The Cosmic Dust Connection*, Kluwer, Dordrecht (1996), 399-412.
11. Steinacker, J., Henning, Th.: 3D Continuum Radiative Transfer, In: H.U. Käuffl, R. Siebenmorgen (eds.), *The Role of Dust in the Formation of Stars*, Springer-Verlag, Berlin u.a. (1996), 355-360.
12. Henning, Th.: Interstellar Dust Grains – An Overview, In: E.F. van Dishoeck (ed.), *Molecules in Astrophysics: Probes and Processes*, IAU Symp. No 178, Kluwer, Dordrecht (1997), 343-356.
13. Henning, Th., Schnaiter, M.: Carbon - From Space to the Laboratory. In: P. Ehrenfreund, H. Kochan, C. Krafft, V. Pirronello (eds.), *Laboratory Astrophysics and Space Research*. Kluwer, Dordrecht (1998), 249-278.
14. Henning, Th.: Chemistry and Physics of Cosmic Nano- and Microparticles, *Chemical Society Reviews* 27 (1998), 315-321.

15. Henning, Th., Salama, F.: Carbon in the Universe, *Science* 282 (1998), 2204-2210.
16. Henning, Th.: Grain Formation and Evolution in the Interstellar Medium. In: L. d'Hendecourt, Chr. Joblin, A. Jones (eds.): *Solid Interstellar Matter: The ISO Revolution*. Springer-Verlag, Berlin u.a. (1999), 247-262.
17. Henning, Th.: Laboratory Astrophysics of Circumstellar Dust. In: T. LeBertre, A. Lebre, C. Waelkens (eds.): *Asymptotic Giant Branch Stars*. IAU Symp. No.191. ASP. (1999), 221-232.
18. Henning, Th.: Progress in Infrared Spectroscopy of Solid Matter. In: E.W. Guenther, B. Stecklum, S. Klose (eds.): *Optical and Infrared Spectroscopy of Solid Matter*. ASP Conf. Ser. 188 (1999), 199-210.
19. Beckwith, S.V.W., Henning, Th., Nakagawa, Y.: Dust Properties and Assembly of Large Particles in Protoplanetary Disks. In: V.P. Mannings, A. Boss, S.S. Russell (eds.): *Protostars and Planets IV*, University of Arizona Press. Tucson (2000), 533-558.
20. Henning, Th., Klein, R., Launhardt, R., Schreyer, K., Stecklum, B.: Search for Very Young Massive Stars. In: D. Lemke, M. Stickle, K. Wilke (eds.): *ISO Surveys of a Dusty Universe*. Springer-Verlag, Berlin u.a. (2000), 339-346.
21. Henning, Th., Mutschke, H.: Optical Properties of Cosmic Dust Analogs. In: M.L. Sitko, A.L. Sprague, D.K. Lynch (eds.): *Thermal Emission Spectroscopy and Analysis of Dust, Disks, and Regoliths*. ASP Conf. Ser. 196 (2000) 253-272.
22. Kempf, S., Pfalzner, S., Henning, Th.: N-body Calculations of Cluster Growth in Proto-Planetary Discs. In: R. Esser, P. Grassberger, J. Grotendorst (eds.): *Molecular Dynamics on Parallel Computers*. World Scientific. Singapore (2000), 253-263.
23. Henning, Th.: Infrared Spectroscopy of Cosmic Grains - Contributions from Laboratory Astrophysics. *Proceedings of the Conference ISO beyond the Peaks*. ESA SP-456. (2000), 329-333.
24. Henning, Th., Mutschke, H.: Formation and Spectroscopy of Carbides. *Spec. Issue of Spectrochimica Acta*. 57 (2000), 815-824.
25. Henning, Th.: Frontiers of Radiative Transfer. In: B. Mathieu, H. Zinnecker (eds.): *The Formation of Binary Stars*. IAU Symp. No. 200. ASP Conf. Ser. (2001), 567-572.
26. Henning, Th., Feldt, M., Stecklum, B.: High-resolution Studies of Massive Star-forming Regions. In: P.A. Crowther (ed.): *Hot Star Workshop III: The Earliest Stages of Massive Star Birth*. ASP Conf. Ser. 267 (2002), 153-164.
27. Flynn, G.J., Henning, Th., Keller, L.P., Mutschke, H.: Infrared Spectroscopy of Cosmic Dust. In: G. Videen, M. Kocifaj (eds.): *Optics of Cosmic Dust*. Kluwer, Dordrecht (2002), 37-56.

28. Ilin, V.B., Voshchinnikov, N.V., Farafonov, V.G., Henning, Th., Perelman, A.Ya.: Light Scattering Tools for Cosmic Dust Modeling. In: G. Videen, M. Kocifaj (eds.): *Optics of Cosmic Dust*. Kluwer, Dordrecht (2002), 71-88.
29. Henning, Th., Launhardt, R., Stecklum, B., Wolf, S.: Continuum Polarization as a Tool. A Perspective for VLT and ALMA. In: J.F. Alves, M.J. McCaughrean (eds.): *The Origins of Stars and Planets. The VLT View*. ESO. (2002), 79-84.
30. Henning, Th., Stecklum, B.: The Formation of Massive Stars. In: E.K. Grebel, W. Brandner (eds.): *Modes of Star Formation and the Origin of Field Populations*. ASP Conf. Ser. 285 (2002), 40-48.
31. Henning, Th., Mutschke, H., Schlemmer, S., Gerlich, D.: Nanoparticles in Space and the Laboratory. In: F. Salama (ed.): *NASA Laboratory Astrophysics Workshop, NASA/CP-2002-211863* (2002), 175-179.
32. Colangeli, L., Henning, Th., Brucato, J.R., Clément, D., Fabian, D., Guillois, O., Huisken, F., Jäger, C., Jessberger, E.K., Jones, A. et al.: The Role of Laboratory Experiments in the Characterization of Silicon-based Cosmic Material, *Astron. Astrophys. Rev.* 11 (2003), 97-152.
33. Henning, Th.: From Dust Disks to Planetary Systems. In: L. Castell, O. Ischebeck (eds.): *Time, Quantum and Information*. Springer-Verlag, Berlin u.a. (2003), 159-169.
34. Henning, Th.: Cosmic Silicates - A Review. In: V. Pirronello, J. Krelowski, G. Manico (eds.): *Solid State Astrochemistry*. Kluwer, Dordrecht (2003), 85-103.
35. Henning, Th., Ilgner, M.: Chemistry and Transport in Accretion Disks. In: C.L. Curry, M. Fich (eds.): *Chemistry as a Diagnostic of Star Formation*. NRC Research Press, Ottawa (2003), 54-60.
36. Henning, Th.: Laboratory Astrophysics of Cosmic Dust Analogues. In: Th. Henning (ed.): *Astromineralogy. Lecture Notes in Physics*. 609. Springer-Verlag, Berlin u.a. (2003), 266-281.
37. Henning, Th., Jäger, C., Mutschke, H.: Laboratory Studies of Carbonaceous Dust Analogs. In: A.N. Witt, G.C. Clayton, B.T. Draine (eds.): *Astrophysics of Dust*. ASP Conf. Ser. 309 (2004), 603-628.
38. Henning, Th., Mutschke, H., Jäger, C.: Silicates - Space and Laboratory. In: D.C. Lis, G.A., Blake, E. Herbst (eds.): *Recent Successes and Current Challenges. Proceedings of IAU Symp.* 231 (2005) 457-468.
39. Launhardt, R., Henning, Th., Queloz, D. et al.: Towards High-Precision Ground-Based Astrometry: Differential Delay Lines for PRIMA@VLTI. In: P.K. Seidelmann, A.K.B. Monet (eds.): *Astrometry in the Age of the Next Generation of Large Telescopes*. ASP Conf. Ser. 338 (2005), 167-175.

40. Masciadri, E., Mundt, R., Alvarez, C., Henning, Th., Brandner, W., Barrado y Navascués, Neuhauser: Hot Massive Planets around Nearby Young Stars - A Search with NACO at the VLT. In: Brandner, W., Kasper, M.E. (eds.): *Science with Adaptive Optics*. Springer-Verlag, Berlin u.a. (2005), 146-151.
41. Puga, E., Feldt, M., Alvarez, C., Henning, Th., Stecklum, B.: AO-Assisted Observations of Ultra-Compact H II regions. In: W. Brandner, M.E. Kasper (eds.): *Science with Adaptive Optics*. Springer-Verlag, Berlin u.a. (2005), 236-241.
42. Henning, Th., Dullemond, C.P., Wolf, S., Dominik, C.: Dust Coagulation in Protoplanetary Disks. In: H. Klahr, W. Brandner (eds.): *Planet Formation. Theory, Observation and Experiments*, Cambridge Univ. Press, Cambridge (2006) 113-128.
43. Berton, A., Feldt, M., Gratton, R., Hippler, S., Henning, Th.: The Search for Extrasolar Giant Planets Using Integral Field Spectroscopy: Simulations. *New Astronomy Reviews* 49 (2006), 661-669.
44. Beuzit, J.L., Feldt, M., Mouillet, D., Moutou, C., Dohlen, K., Puget, P., Fusco, T., Baudoz, P., Boccaletti, A., Udry, S., Ségransan, D., Gratton, R., Turatto, M., Schmid, H.M., Waters, R., Stam, D., Rabou, P., Lagrange, A.M., Ménard, F., Augereau, J.C., Langlois, M., Vakili, F., Arnold, L., Henning, Th., Rouan, D., Kasper, M., Hubin, N.: A Planet Finder Instrument for the VLT. In: C. Aime, F. Vakili (eds.): *Direct Imaging of Exoplanets: Science and Techniques*. IAU Colloq. 200, Cambridge Univ. Press, Cambridge (2006), 317-322.
45. Biller, B. A., Close, L.M., Masciadri, E., Lenzen, R., Brandner, W., McCarthy, D., Henning, Th., Nielsen, E., Hartung M.: A Survey of Close, Young Stars with SDI at the VLT and MMT. In: C. Aime, F. Vakili (eds.): *Direct Imaging of Exoplanets: Science and Techniques*, IAU Colloquium 200, Cambridge Univ. Press, Cambridge (2006), 53-60.
46. van Boekel, R., Ábrahám, P., Correia, S., de Koter, A., Dominik, C., Dutrey, A., Henning, Th., Kóspál, A., Lachaume, R., Leinert, C., Linz, H., Min, M., Mosoni, L., Preibisch, T., Quanz, S., Ratzka, T., Schegerer, A., Waters, R., Wolf, R., Zinnecker, H.: Disks around Young Stars with VLTI/MIDI. In: J. D. Monnier, M. Schöller, W. C. Danchi (eds.): *Advances in Stellar Interferometry*, SPIE 6268 (2006), 62680C-1.
47. Natta, A., Testi, L., Calvet, N., Henning, Th., Waters, R., Wilner, D.: Dust in Protoplanetary Disks: Properties and Evolution. In: B. Reipurth, D., Jewitt, K., Keil (eds.): *Protostars and Planets V*. Univ. of Arizona Press Tucson (2007), 767-781.
48. Henning, Th.: Early Phases of Planet Formation in Protoplanetary Disks: Nobel Symposium 135, *Phys. Scr.* T130 (2008), 014019, 1-8.
49. Henning, Th., Semenov, D.: The Birth and Death of Organic Molecules in Protoplanetary Disks. In: S. Kwok, S. Sandford (eds.): *Organic Matter in Space*, IAU Symposium 251 (2008), 89-97.

50. Jäger, C., Mutschke, H., Llamas-Jansa, I., Henning, Th., Huisken, F.: Laboratory Analogs of Carbonaceous Matter: Soot and its Precursors and By-products. In: S. Kwok, S. Sandford (eds.): *Organic Matter in Space*, IAU Symposium 251 (2008), 425-432.
51. Henning, Th.: Cosmic Silicate Dust. In: F. Boulanger, C. Joblin, A. Jones, S. Madden (eds.): *Interstellar Dust from Astronomical Observations to Fundamental Studies*. EDP Sciences, EAS Publ. Ser. 35 (2009), 103-114.
52. Henning, Th., Mutschke, H.: Optical Properties of Cosmic Dust Analogs: A Review. *Journal of Nanophotonics*, Special Section to Honour C.F. Bohren 4 (2010), 041580.
53. Henning, Th.: Cosmic Silicates, *Annual Review of Astron. Astrophys.* 48 (2010), 21-46.
54. Henning, Th., Meeus, G.: Dust Processing and Mineralogy in Protoplanetary Accretion Disks. In: Garcia, P. J. V. (ed.): *Physical Processes in Circumstellar Disks around Young Stars*, Theoretical Astrophysics Series, Chicago Univ. Press (2011), 114-148.
55. Jäger, C., Mutschke, H., Henning, Th., Huisken, F.: From PAHs to Solid Carbon, EAS Publ. Ser. 46 (2011), 293-304.
56. Wyrowski, F., Schuller, F., Menten, K.M., Bronfman, L., Henning, Th., Walmsley, C.M., Beuther, H., Bontemps, S., Cesaroni, R., Contreras, Y., Deharveng, L., Garay, G. et al.: ATLASGAL: the APEX Telescope Large Area Survey of the Galaxy. EAS Publ. Ser. 52 (2011), 129-134.
57. Jäger, C., Mutschke, H., Henning, Th.: Laboratory Astrophysics of Dust, EAS Publ. Ser. 52 (2011), 245-250.
58. Henning, Th., Semenov, D.: Chemistry in Protoplanetary Disks, *Chemical Reviews*, 113 (2013), 9016-9042.
59. Zhukovska, S. and T. Henning: Life cycle of Dust in the Magellanic Clouds and the Milky Way. In: *Life Cycle of Dust in the Universe: Observations, Theory, and Laboratory Experiments*, (eds.) Andersen, A., M. Baes, H. Gomez, C. Kemper, D. Watson. PoS (LCDU2013), (2014), id.16 online.

Conference contributions

1. Henning, Th., Gürtler, J.: Temperature Distributions in Circumstellar Dust Shells, In: I. Appenzeller und C. Jordan (eds.), Circumstellar Matter (IAU-Symposium Nr. 122), D. Reidel Publ. Co., Dordrecht (1987), 557-558.
2. Henning, Th., Pfau, W.: Infrared Emission from Cocoon Stars in Star-forming Regions, In: J. Palous (eds.), Evolution of Galaxies (Proceedings of the Tenth European Regional Astronomy Meeting of the IAU held in Prague) 4 (1987), 67-70.
3. Dorschner, J., Gürtler, J., Friedemann, C., Henning, Th.: Pyroxene Glasses – Candidates for Interstellar Silicates, In: E. Bussoletti et al. (eds.) Experiments on Cosmic Dust Analogues, Kluwer, Dordrecht (1988), 227-230.
4. Henning, Th.: Radiative Transfer in Extended Circumstellar Dust Shells, In: H. Domke (ed.), Radiative Transfer in Stellar Atmospheres, Publ. Astrophysik. Observatorium Potsdam, Bd. 33, 2 (1988), 50-56.
5. Dorschner, J., Gürtler, J., Henning, Th.: Steps towards Interstellar Silicate Dust Mineralogy, In: Proceedings of the IAU-Symposium No. 135 (Interstellar Matter), California (USA), NASA CP-3036 (1989), 369-370.
6. Henning, Th., Dorschner, J., Gürtler, J.: Size Distribution of Dust Grains – A Problem of Self-Similarity? In: Proceedings of the IAU-Symposium No. 135 (Interstellar Matter), California (USA), NASA CP-3036 (1989), 395-396.
7. Henning, Th., Pfau, W.: Continuum Emission from Embedded Young and Massive Stellar Objects beyond $1\ \mu\text{m}$ Wavelength, In: S. Bowyer, C. Leinert (eds.), Galactic and Extragalactic Background Radiation, IAU-Symposium No. 139, Kluwer, Dordrecht (1990), 113-114.
8. Ossenkopf, V., Henning, Th.: Optical Properties of Inhomogeneous Dust Grains, In: J. Krelowski, J. Papaj (eds.), Physics and Composition of Interstellar Matter, Torun (1990), 199-204.
9. Dorschner, J., Mutschke, H., Henning, Th., Gürtler, J.: Determination of IR Optical Data from Particulates – Possibilities and Limitations, In: S. Kwok (ed.), Astronomical Infrared Spectroscopy, ASP Conf. Ser. 41 (1993), 283-284.
10. Gürtler, J., Dorschner, J., Mutschke, H., Henning, Th.: Optical Data of Astronomically Interesting Pyroxene Glasses from Laboratory IR Spectroscopy, In: S. Kwok (ed.), Astronomical Infrared Spectroscopy, ASP Conf. Ser. 41 (1993), 273-274.
11. Begemann, B., Mutschke, H., Dorschner, J., Henning, Th.: Can Mg/Fe Sulphides Solve the Problem of the $30\ \mu\text{m}$ Band of Carbon Stars?, AIP Conference Proceedings 312, Molecules and Grains in Space, AIP Press (1994), 781-788.
12. Blum, J., Henning, Th., Ossenkopf, V., Sablotny, R., Stognienko, R., Thamm, E.: Fractal Growth and Optical Behaviour of Cosmic Dust, In: M.M. Novak (ed.),

Fractals in the Natural and Applied Sciences, Elsevier Science B.V., North-Holland (1994), 47-59.

13. Chan, J.S., Henning, Th., Begemann, B.: New Candidates for Objects with a 21 Micron Feature, In: G.D. Watt, P.M. Williams (eds.): Circumstellar Matter, Spec. Issue of Astrophys. Space Sci. 224 (1994), 435-437.
14. Fischer, O., Henning, Th., Pfau, W., Stognienko, R.: Diffuse Interstellar Bands in Reflection Nebulae, NASA CP 10144 (1994), 11-16.
15. Henning, Th., Thamm, E.: Cold Dust around Chamaeleon Stars, In: B.F. Burke, J. Rahe, E.E. Roettger (eds.), Planetary Systems: Formation, Evolution, and Detection, Spec. Issue of Astrophys. Space Sci., 212 (1994), 215-220.
16. Henning, Th., Chini, R., Pfau, W.: Small-Scale Structure of the Mon R2 Cloud Core, In: M. Ishiguro, J. Welch (eds.): Astronomy with Millimeter and Submillimeter Wave Interferometry (IAU Coll. No. 140), ASP Conf. Ser. 59 (1994), 266-267.
17. Henning, Th., Launhardt, R., Steinacker, J., Thamm, E.: Circumstellar Dust around Herbig Ae/Be Stars – A Southern 1.3 mm Continuum Survey –, In: P.S. Thé, M.R. Pérez, E.P.J. van den Heuvel (eds.): The Nature and Evolutionary Status of Herbig Ae/Be Stars, ASP Conf. Ser. 62 (1994), 171-176.
18. Kömpe, C., Gürtler, J., Henning, Th.: Analysis of the IR and Sub-mm Emission of Four Post-AGB Stars, In: G.D. Watt, P.M. Williams (eds.): Circumstellar Matter, Kluwer, Dordrecht (1994), 353-356.
19. Launhardt, R., Henning, Th.: Star Formation in Bok Globules – 1.3 mm Continuum Survey, In: D.P. Clemens, R. Barvainis (eds.): Clouds, Cores, and Low Mass Stars, ASP Conf. Ser. 65 (1994), 224-229.
20. Menshchikov, A., Henning, Th.: Do the YSO Spectra Imply the Presence of Accretion Disks?, In: R. Ferlet, A. Vidal-Madjar (eds.): Circumstellar Dust Disks and Planetary Formation, Editions Frontiers, Gif-sur-Yvette (1994), 381-383.
21. Begemann, B., Henning, Th., Mutschke, H., Dorschner, J.: Magnesium-Iron Oxides – Astrophysical Origin and Optical Constants, Planet. Space Sci. 43 (1995), 1257-1261.
22. Gürtler, J., Kömpe, C., Henning, Th.: Model Envelopes of Post-AGB Stars from IR and Sub-mm Data, In: G. Winnewisser, G. C. Pelz, (eds.), The Physics and Chemistry of Interstellar Molecular Clouds, Springer, Berlin, (1995), 304-305.
23. Henning, Th., Martin, K., Launhardt, R., Reimann, H.-G.: Multi-wavelength Study of NGC 281 A, In: G. Winnewisser, G. C. Pelz, (eds.): The Physics and Chemistry of Interstellar Molecular Clouds, Springer, Berlin, (1995), 326-328.
24. Katterloher, R.O., Jakob, G., Bauser, E., Haller, E.E., Henning, Th., Pilbratt, G.: Development of a Far-Infrared Detector Array for FIRST Based on n-type Ultrapure Liquid Phase Epitaxial Gallium Arsenide. In: Infrared Detectors and Instrumentation for Astronomy, SPIE 2475 (1995), 62-75.

25. Katterloher, R.O., Jakob, G., Henning, Th., Bauser, E., Haller, E.E., Pilbratt, G.: Recent Results from the Development of a Far-Infrared n-type GaAs Detector Array for FIRST. In: *Infrared Spaceborne Remote Sensing III*, SPIE 2553 (1995), 524-535.
26. Launhardt, R., Henning, Th.: Star Formation in Bok Globules – A 1.3 mm Continuum Survey, In: G. Winnewisser, G.C. Pelz (eds.), *The Physics and Chemistry of Interstellar Molecular Clouds*, (1995), 206-207.
27. Martin, K., Henning, Th., Kömpe, C., Walmsley, C.M.: Ammonia towards High Luminous IRAS Sources, In: G. Winnewisser, G. C. Pelz, (eds.), *The Physics and Chemistry of Interstellar Molecular Clouds*, Springer, Berlin, (1995), 308-309.
28. Pfau, W., Henning, Th.: Diffuse Interstellar Bands in the Young Galactic Clusters M 16 und M 17, In: A.G.G.M. Tielens, T.P. Snow (eds.), *The Diffuse Interstellar Bands*, Kluwer, Dordrecht (1995), 113-119.
29. Quirrenbach, A., Löwe, M., Stecklum, B., Henning, Th., Echart, A.: Imaging of Circumstellar Matter with the VLT Interferometer, In: J.R. Walsh, I.J. Danziger (eds.), *Science with the VLT, Proceedings of the Workshop*, Garching (1995), 1-6.
30. Schnaiter, M., Henning, Th., Mutschke, H.: Spectroscopy of Matrix-Isolated Solid Dust Particles, In: J.P. Maier, M. Quack (eds.): *Proceedings of the 10th International Symposium on Atomic, Molecular Cluster, Ion, and Surface Physics*, Vdf. Zürich (1995), 246-249.
31. Blum, J., Henning, Th., Cabane, M., Fonda, M., Giovane, F., Gustafson, B.A.S., Keller, H.U., Markiewicz, W.J., Lvasseur-Regourd, A.-C., Worms, J.-C., Nuth, J., Rogers, F.: The Concept of a Facility for Cosmic Dust Research on the International Space Station, In: *ESA Symp. Proc. 385, Space Station Utilization* (1996), 303-308.
32. Chan, J.S., Henning, Th.: A Catalogue of Massive Young Stellar Objects: A Description, In: H.U. Käuffl, R. Siebenmorgen (eds.), *The Role of Dust in the Formation of Stars*, Springer-Verlag, Berlin u.a. (1996), 105-108.
33. Henning, Th., Schmitt, W., Klahr, H., Mucha, R.: Dust Evolution in Protoplanetary Disks, In: Bo A.S. Gustafson, M.S. Hanner (eds.), *Physics, Chemistry and Dynamics of Interplanetary Dust*, ASP Conf. Ser. 104 (1996), 513-516.
34. Katterloher, R., Jakob, G., Bauser, E., Zehender, S., Haller, E.E., Beeman, J., Henning, Th., Pilbratt, G.: The GaAs Photoconductor – Characteristics of LPE Grown Sample Detectors, 30th ESLAB Symp., Submillimetre and Far-Infrared Space Instrumentation, Noordwijk (1996), 33-36.
35. Kempf, S., Pfalzner, S., Henning, Th.: Self-consistent Simulation of the Brownian Stage of Dust Growth, In: NASA-CP 3343, *From Stardust to Planetesimals* (1996), 163-166.
36. Klahr, H., Henning, Th.: Size Segregation and Number Density Enhancement of Particles in Accretion Disk Eddies, In: NASA-CP 3343, *From Stardust to Planetesimals* (1996), 171-174.

37. Launhardt, R., Henning, Th.: Dust Emission from Bok Globules, In: H.U. Käußl, R. Siebenmorgen (eds.), *The Role of Dust in the Formation of Stars*, Springer-Verlag, Berlin u.a. (1996), 43-46.
38. Levasseur-Regourd, A.-C., Blum, J., Henning, Th., Poppe, T., Cabane, M., Haudebourg, V., Rannou, P., Worms, J.-C.: OPAL – A Light Scattering Facility for Optical Measurements of Dust Samples on Board ISS, ESA SP-385 (1996), 401-404.
39. Menshchikov, A., Henning, Th.: 2D Radiative Transfer Models of the Embedded YSOs HL Tau and L1551 IRS 5: What is Inside?, In: H.U. Käußl, R. Siebenmorgen (eds.), *The Role of Dust in the Formation of Stars*, Springer-Verlag, Berlin u.a. (1996), 351-354.
40. Mutschke, H., Begemann, B., Dorschner, J., Jäger, C., Henning, Th.: Optical Data of Glassy Pyroxenes and Olivines, In: J.M. Greenberg (ed.): *The Cosmic Dust Connection*, Kluwer, Dordrecht (1996), 223-231.
41. Sablotny, R.M., Henning, Th.: Chemistry in Molecular Clouds without and with Dust Coagulation, In: H.U. Käußl, R. Siebenmorgen (eds.), *The Role of Dust in the Formation of Stars*, Springer-Verlag, Berlin u.a. (1996), 405-408.
42. Schmitt, W., Henning, Th., Mucha, R.: Dust Coagulation in Protoplanetary Accretion Disks, In: M.E. Kress, A.G.G.M. Tielens, Y.J. Pendleton (eds.), *From Stardust to Planetesimals: Contributed Papers*, NASA CP 3343 (1996), 167-170.
43. Stognienko, R., Henning, Th., Ossenkopf, V.: Optical Properties of Fluffy Particles, In: Bo A.S. Gustafson, M.S. Hanner (eds.), *Physics, Chemistry and Dynamics of Interplanetary Dust*, ASP Conf. Ser. 104 (1996), 427-431.
44. Chan, S.J., Henning, Th., Assendorp, R.: A Method for Obtaining Reliable IRAS-LRS Data via the Groningen IRAS Server, In: G. Hunth, H.E. Payne (eds.), *Astronomical Data Analysis Software and Systems VI*, ASP Conf. Ser. 125 (1997), 89.
45. Heines, A., Henning, Th., Szeifert, Th.: Multicolour Polarimetric Observations of T Tauri Stars, In: F. Malbet, A. Castets (eds.), *Herbig-Haro Flows and the Birth of Low Mass Stars*, Poster Proceed. IAU Symp. No. 182, Chamonix-Mont-Blanc (1997), 294-299.
46. Henning, Th., Schmitt, W., Klahr, H., Mucha, R.: Dust Evolution in Protoplanetary Accretion Disks, In: D.T. Wickramasinghe, L. Ferrario, G.V. Bicknell (eds.), *Accretion Phenomena and Related Outflows*, IAU Symp. No. 163, ASP Conf. Ser. 121 (1997), 721-722.
47. Menshchikov, A., Henning, Th., Fischer, O.: Detailed Self-consistent Model of the Dusty Disk around HL Tau, In: F. Malbet, A. Castets (eds.), *Herbig-Haro Flows and the Birth of Low Mass Stars*, Poster Proceed. IAU Symp. No. 182, Chamonix-Mont-Blanc (1997), 221-223.

48. Steinacker, J., Henning, Th., Mensechikov, A.: Multidimensional Radiative Transfer in Accretion Environments, In: D.T. Wickramasinghe, L. Ferrario, G.V. Bicknell (eds.), *Accretion Phenomena and Related Outflows*, IAU Symp. No. 163, ASP Conf. Ser. 121 (1997), 807-808.
49. Katterloher, R., Engemann, D., Fabbriotti, M., Frenzl, O., Hermans, L., Lemke, D., Wolf, J., Czech, E., Holler, E.E., Hagel, N., Henning, Th., Konuma, M., Pilbratt, G.: FIRSA and FIRGA: Development of Photoconductor Arrays for FIRST, In: *The Far Infrared and Submillimetre Universe*, ESA SP-401 (1997), 393-396.
50. Launhardt, R., Henning, Th., Klein, R.: Multi-wavelength Study of the Massive Star-forming Region LBN 594, In: L.J. Yun, R. Liseau (eds.), *Conf. Proceed. "Star Formation with the Infrared Observatory"*, ASP Conf. Ser. 119 (1998) 119-124.
51. Molster, F.J., Waters, L.B.F.M., van Loon, J.Th., de Jong, T., Bouwman, J., Yamamura, I., Trams, N., van Winckel, H., Waelkens, C., Henning, Th.: ISO's View on AFGL 4106, In: R. Waters, C. Waelkens, K.A. van der Hucht, P.A. Zaal (eds.), *ISO's View on Stellar Evolution*, Kluwer, Dordrecht (1998), 469-475.
52. Ábrahám, P., Leinert, Ch., Lemke, D., Burkert, A., Henning, Th.: Herbig Ae/Be Stars and the Evolution of their Circumstellar Material, In: R. Waters, C. Waelkens, K.A. van der Hucht, P.A. Zaal (eds.), *ISO's View on Stellar Evolution*, Kluwer, Dordrecht (1998), 45-51.
53. Henning, Th., Klein, R.: The ISO Spectrum of the Cloud Core M17-North, In: R. Waters, C. Waelkens, K.A. van der Hucht, P.A. Zaal (eds.), *ISO's View on Stellar Evolution*, Kluwer, Dordrecht (1998), 53-59.
54. Katterloher, R., Barl, L., Beeman, J., Czech, E., Engemann, D., Frenzl, O., Haegel, N., Haller, E.E., Henning, Th., Hermans, L., Jakob, G., Konuma, M.: The 4x32 FIRGA Array – A Pacesetter for a 52x32 Element Gallium Arsenide Focal Plane Array, In: *SPIE's International Symposium on Astronomical Telescopes and Instrumentation*, Kona, SPIE 3354 (1998), 116-125.
55. Stecklum, B., Henning, Th., Feldt, M., Hofner, P., Hoare, M.G., Hayward, T.L., *Adaptive Optics Observations of Young Massive Stars*. Proc. SPIE 3353 (1998), 398-405.
56. Henning, Th.: Dust Spectroscopy – A Science Driver for SOFIA, In: R. Titz, H.-P. Röser (eds.), *SOFIA Proceedings* (1998), Wissenschaft und Technik Verlag. Berlin. 211-217.
57. Braatz, A., Dorschner, J., Henning, Th., Jäger, C., Ott, U.: Infrared Spectra of Presolar Diamonds: The Influence of Chemical Preparation. *Meteoritics and Planet. Sci.* 32 (1998), A21.
58. Banhart, F., Lyutovich, Y., Braatz, A., Jäger, C., Henning, Th., Dorschner, J., Ott, U.: Presolar Diamond in Unprocesses Allende. *Meteoritics and Planet. Sci.* 33 (1998), A12.

59. Mutschke, H., Henning, Th.: Infrared Spectroscopy of Cosmic Dust Analogues at Low Temperatures, In: J.M. Greenberg (ed.), *Formation and Evolution of Solids in Space*, Kluwer, Dordrecht (1999), 265.
60. Schnaiter, M., Mutschke, H., Dorschner, J., Henning, Th.: Matrix-isolated Nano-sized Soot Grains and their Relation to Solid Carbon in Space, In: J.M. Greenberg (ed.), *Formation and Evolution of Solids in Space*, Kluwer, Dordrecht (1999), 281.
61. Braatz, A., Ott, U., Henning, Th., Jäger, C., Jeschke, G.: Nitrogen Configuration in Presolar Diamonds. *LPI 30* (1999) 1551.
62. Poppe, T., Blum, J., Henning, Th.: New Experiments on Collisions of Solid Grains related to the Preplanetary Dust Aggregation. *Adv. Space Res.* 23 (1999), 1197-1200.
63. Poppe, T., Blum, J., Henning, Th.: Experiments on the Effects of Dust Flux Exposure on Rosetta Spacecraft Materials. *Adv. Space Res.* 23 (1999), 1225-1228.
64. Blum, J., Cabane, M., Henning, Th. et al.: Research with Small Particles onboard the ISS. *Proceed. of the 2nd European Symposium on the Utilisation of the International Space Station*. ESA SP-433 (1999), 285-289.
65. Klein, R., Henning, Th., Cesarsky, D.: ISOCAM Observations of the Cloud Core M17-North, In: P. Cox (ed.): *The Universe as seen by ISO*. ESA SP-427 (1999), 691-694.
66. Henning, Th., Klein, R.: Properties of the LMC Young Stellar Object N 160 A-IR, In: P. Cox (ed.), *The Universe as seen by ISO*. ESA SP-427 (1999), 489-492.
67. Ábrahám, P., Leinert, Ch., Burkert, A., Lemke, D., Henning, Th.: Search for Cool Circumstellar Matter in the Ursae Majoris Group with ISO. ESA SP-427 (1999), 261-264.
68. Ábrahám, P., Leinert, Ch., Burkert, A., Lemke, D., Henning, Th.: Far-Infrared Mapping of Herbig Ae/Be stars with ISO. ESA SP-427 (1999), 265-268.
69. Launhardt, R., Henning, Th., Hofner, P., Sargent, A.I.: CB17 - A Pre-Protostellar Core on the Verge of Collapse. In: *Science with the Atacama Millimeter Array*. Washington (1999).
70. Feldt, M., Stecklum, B., Henning, Th., Hayward, T.L.: Another G5.39-0.39 Ultra-compact HII Region under the Looking Glass. In: D. Bonaccini (ed.): *Astronomy with Adaptive Optics. Present Results and Future Programs*. ESO Conf. and Workshop Proceed. 56 (1999), 513.
71. Stecklum, B., Feldt, M., Henning, Th., Pfau, W.: Infrared Observations of Young Massive Stars. In: K.A. van der Hucht, G. Koenigsberger, P.R.J. Eenens (eds.): *Wolf-Rayet Phenomena in Massive Stars and Starburst Galaxies*. IAU-Symposium No. 193. ASP Conf. Ser. (1999), 497.

72. Keller, L. P., Bradley, J. P., Bouwman, J., Molster, F.J., Waters, L.B.F.M., Henning, Th., Flynn G.J., Mutschke, H.: Sulfides in Interplanetary Dust Particles: A Possible Match to the 23 μ m Feature Detected by the Infrared Space Observatory, 31st Annual Lunar and Planetary Science Conference, March 13-17, 2000, Houston, Texas, Abstract no. 1860.
73. Menshchikov, A.B., Henning, Th.: Multidimensional Radiative Transfer Modeling: Indispensable Tool for Interpretation of Interferometry Observations. In: Proceedings of the Conference "Darwin and Astronomy - The Infrared Space Interferometer", ESA SP-451 (2000), 125-130.
74. Mutschke, H., Clement, D., Henning, Th.: The Infrared Matrix Isolation Spectroscopy of SiC Nanoparticles from Laser-induced Gas Pyrolysis, 11th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes, Nitrides, and Silicon Carbide, Sept. 2000, Porto, Portugal, Abstract no. 5.6.19.
75. Mutschke, H., Henning, Th., Clement, D., Andersen, A.C.: Effects of Grain Morphology and Impurities on the Infrared Spectra of Silicon Carbide Particles. In: M.L. Sitko, A. Dinger, D.K. Lynch (eds.): Thermal Emission Spectroscopy and Analysis of Dust, Disks, and Regoliths. ASP Conf. Ser. 196 (2000), 273-280.
76. Lopez, B., Leinert, Ch., Graser, U., Waters, L.B.F.M., Perrin, G., Herbst, T.M., Rottgering, H., Rouan, D., Stecklum, B., Mundt, R., Zinnecker, H., de Laverny, P., Feldt, M., Meisner, J., Dutrey, A., Henning, Th., Vakili, F.: The Astrophysical Potentials of the MIDI VLT Instrument. In: P.J. Léna and A. Quirrenbach (eds.), Interferometry in Optical Astronomy. SPIE. 4006 (2000), 54.
77. Looney, L.W., Geiss, N., Genzel, R., Park, W.K., Poglitsch, A., Raab, W., Rosenthal, D., Urban, A., Henning, Th.: Realizing 3D Spectral Imaging in the Far-Infrared: FIFI LS. In: R.K. Melugin, H.-P. Roeser (eds.): Airborne Telescope Systems. SPIE. 4014M (2000), 14-22.
78. Launhardt, R., Sargent, A.I., Henning, Th., Zylka, R., Zinnecker, H.: Binary and Multiple Star Formation in Bok Globules. In: B. Reipurth, H. Zinnecker (eds.), Birth and Evolution of Binary Stars. Poster Proceedings of IAU Symp. 200 (2000), 103.
79. Henning, Th., Ilgner, M., Schraepler, R.: Grain Diffusion and Chemical Evolution in Protoplanetary Disks. In: F. Garzon, C. Eiroa, D. de Winter, T.J. Mahoney (eds.): Disks, Planetesimals, and Planets. ASP Conf. Ser. 219 (2000), 56-62.
80. Wolf, S., Stecklum, B., Henning, Th.: Pre-main Sequence Binaries with Aligned Disks. In: B. Mathieu, H. Zinnecker (eds.): The Formation of Binary Stars. IAU Symp. 200. ASP Conf. Ser. (2001), 295-304.
81. Mutschke, H., Clément, D., Dorschner, J., Fabian, D., Jäger, C., Henning, Th.: Laboratory Analogues of Cosmic Dust. In: H. Rickman (ed.): Highlights of Astronomy IAU 2000 12 (2002), 30-33.

82. Il'in, V.B., Voshchinnikov, N.V., Farafonov, V.G., Henning, Th., Perelman, A.Ya.: Light Scattering Tools for Cosmic Dust Modeling. In: G. Videen, M. Kocifaj (eds.): *Optics of Cosmic Dust*. Kluwer, Dordrecht, (2002) 71.
83. Semenov, D., Henning, Th., Ilgner, M., Helling, Ch., Sedlmayr, E.: Opacities for Protoplanetary Disks. In: I. Hubeny, D. Mihalas, K. Werner (eds.): *Workshop on Stellar Atmosphere Modeling* (2002), 64.
84. Stecklum, B., Brandl, B., Feldt, M., Henning, Th., Linz, H., Pascucci, I.: Infrared Observations of Hot Cores: Based on Observations collected at the European Southern Observatory, La Silla, Chile. In: J.F. Alves, M.J. McCaughrean (eds.): *The Origins of Stars and Planets. The VLT View*. ESO (2002), 225-230.
85. Wolf, S., Henning, Th., D'Angelo, G.: Detecting Gaps in Protoplanetary Disks with MIDI at the VLTI. In: J.F. Alves, M.J. McCaughrean (eds.): *The Origins of Stars and Planets. The VLT View*. ESO (2002), 325-330.
86. Meyer, M.R., Backman, D., Beckwith, S.V.W., Brooke, T.Y., Carpenter, J.M., Cohen, M., Gorti, U., Henning, Th., Hillenbrand, L.A., Hines, D. et al.: Evolution of Planetary Systems. SIRTf Legacy Science in the VLT Era. In: J.F. Alves, M.J. McCaughrean (eds.): *The Origins of Stars and Planets. The VLT View*. ESO (2002), 463-471.
87. Apai, D., Henning, Th., Stecklum, B.: High Resolution Near-IR Study of Massive Star Formation. In: P.A. Crowther (ed.): *Hot Star Workshop III: The Earliest Stages of Massive Star Birth*. ASP Conf. Ser. 267 (2002), 337-338.
88. Henning, Th., Feldt, M., Stecklum, B.: High-resolution Studies of Massive Star-forming Regions. In: P.A. Crowther (ed.): *Hot Star Workshop III: The Earliest Stages of Massive Star Birth*. ASP Conf. Ser. 267 (2002), 153-162.
89. Llamas Jansa, I., Mutschke, H., Clément, D., Jäger, C., Henning, Th.: IR Spectroscopy of Carbon Nanoparticles from Laser-Induced Gas Pyrolysis. In: C.Gry, S. Peschke, J. Matagne, P. Garcia-Lario, R. Lorente, A. Salama (eds.): *Exploiting the ISO Data Archive. Infrared Astronomy in the Internet Age*. ESA SP-511 (2003), 69-72.
90. Pascucci, I., Apai, D., Henning, Th., Semenov, D.: Metamorphosis of a BD Disk: Flared Becomes Flat. In: Cs. Kiss, M. Kun, V. Könyves (eds.): *The Interaction of Stars with their Environment II*. CoKon (2003), 99-102.
91. Apai, D., Pascucci, I., Henning, Th., Sterzig, M.F., Klein, R., Semenov, D., Günther, E., Stecklum, B.: Mid-infrared Observations of Brown Dwarfs and their Disks: First Ground-based Detection. In: Cs. Kiss, M. Kun, V. Könyves (eds.): *The Interactions of Stars with their Environment II*. CoKon (2003), 93-98.
92. Wiebe, D., Semenov, D., Henning, Th.: Chemistry in Star Forming Regions: Making Complex Modelling Feasible. In: Cs. Kiss, M. Kun, V. Könyves (eds.): *The Interactions of Stars with their Environment II*. CoKon (2003), 67-74.

93. Semenov, D., Wiebe, D., Henning, Th.: Reducing and Analyzing Chemical Networks. In: Cs. Kiss, M. Kun, V. Könyves (eds.): *The Interactions of Stars with their Environment II. CoKon* (2003), 59-66.
94. Feldt, M., Henning, Th., Hippler, S., Weiß, R., Turatto, M., Neuhäuser, R., Hatzes, A.P., Schmid, H.M., Waters, R., Puga, E., Costa, J.: Can We Really Go for Direct Exo-Planet Detection from the Ground? In: A.B. Schultz (ed.): *High Contrast Imaging for Exo-Planet Detection. SPIE 4860* (2003), 149-160.
95. Looney, L.W., Raab, W., Poglitsch, A., Geis, N., Rosenthal, D., Hoenle, R., Klein, R., Fumi, F., Genzel, R., Henning, Th.: FIFI LS: A Far-Fnfrared 3D Spectral Imager for SOFIA. In: R.K. Melugin, H.-P. Roeser (eds.): *Airborne Telescope System II. SPIE 4857* (2003), 47-55.
96. Wolf, S., Stecklum, B., Henning, Th., Launhardt, R.: High-resolution Continuum Polarization Measurements in the Near-infrared to Submillimeter Wavelength Range. In: S. Fineschi (ed.): *Polarimetry in Astronomy. SPIE 4843* (2003), 533-542.
97. Wolf, S., Henning, Th., Stecklum, B.: MC3D-simulating Polarization Maps and More. In: S. Fineschi (ed.): *Polarimetry in Astronomy. SPIE 4843* (2003), 524-532.
98. Stecklum, B., Henning, Th., Apai, D., Linz, H.: VLT-ISAAC Observations of Massive Star-forming Regions. In: P. Guhathakurta (ed.): *Discoveries and Research Prospects from 6- to 10-Meter-Class Telescopes II. SPIE 4834* (2003), 337-344.
99. Henning, Th., Graser, U., Leinert, Ch.: German Center for Interferometry FrInGe. In: W. A. Traub (ed.): *Interferometry for Optical Astronomy II. SPIE 4838* (2003), 158-162.
100. Wright, G.S., Bortoletto, F., Bruce, C.F.Jr., van Dishoeck, E.F., Karnik, A.R., Lagage, P.-O., Larson, M.E., Lemke, D., Oloffson, G., Miller, E.A., Henning, Th., Heys, S., Ray, T., Rodriguez, J., Serabyn, E., Walters, I.: NGST MIRI Instrument. In: J.C. Mather (ed.): *IR Space Telescopes and Instruments. SPIE 4850* (2003), 493-503.
101. Lemke, D., Groezinger, U., Henning, Th., Hofferbert, R., Rohloff, R.-R., Wagner, K., Martin, L., Kroes, G., Wright, G.S.: Cryomechanisms for Positioning the Optical Components of the Mid-Infrared Instrument (MIRI) for NGST. In: J.C. Mather (ed.): *IR Space Telescopes and Instruments. SPIE 4850* (2003), 544-555.
102. Dietzsch, E., Stecklum, B., Pfau, W., Henning, Th.: Optical Design for a Thermal Infrared Wide-field Camera for the Large Binocular Telescope. In: M. Iye, A.F.M Moorwood (eds.): *Instrument Design and Performance for Optical/Infrared Ground-based Telescopes. SPIE 4841* (2003), 477-482.
103. Costa, J.B., Hippler, S., Feldt, M., Esposito, S., Ragazzoni, R., Bizenberger, P., Puga, E., Henning Th.: PYRAMIR: A Near-infrared Pyramid Wavefront Sensor for the Calar Alto Adaptive Optics System. In: P.L. Wizinowich, D. Bonaccini (eds.): *Adaptive Optical System Technologies II. SPIE 4839* (2003), 280-287.

104. Feldt, M., Hippler, S., Henning, Th., Gratton, R., Turatto, M., Waters, R., Quirrenbach, A.: The Planet Finder: Proposal for a 2nd Generation VLT Instrument. In: D. Deming, S. Seager (eds.): Scientific Frontiers in Research on Extrasolar Planets. ASP Conf. Ser. 294 (2003), 569-572.
105. D'Angelo, G., Kley, W., Henning, Th.: Migration and Accretion of Protoplanets in 2D and 3D Global Hydrodynamical Simulations. In: D. Deming, S. Seager (eds.): Scientific Frontiers in Research on Extrasolar Planets. ASP Conf. Ser. 294 (2003), 323-326.
106. Currie, T., Semenov, D., Henning, Th., Furlan, E., Herter, T.: Radiative Transfer Modeling of Passive Circumstellar Disks: Application to HR 4796A. In: D. Deming, S. Seager (eds.): Scientific Frontiers in Research on Extrasolar Planets. ASP Conf. Ser. 294 (2003), 265-268.
107. Wolf, S., Gueth, F., Henning, Th., Kley, W.: Interferometric Detection of Planets/Gaps in Protoplanetary Disks. In: D. Deming, S. Seager (eds.): Scientific Frontiers in Research on Extrasolar Planets. ASP Conf. Ser. 294 (2003), 257-260.
108. Apai, D., Brandner, W., Pascucci, I., Henning, Th., Lenzen, R., Lagrange, A.-M.: The Sharpest Look at the Closest T Tauri Disk: NACO Polarimetric Differential Imaging of the TW Hya. In: M. Fridlund, Th. Henning (eds.): Towards Other Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets. Heidelberg. ESA SP-539 (2003), 329-332.
109. Backman, D., Beckwith, S., Carpenter, J., Cohen, M., Henning, Th., Hillenbrand, L., Hines, D., Hollenbach, D., Lunine, J., Malhotra, R., Meyer, M., Najita, J., Padgett, D., Soderblom, D., Stauffer, J., Strom, S., Watson, D., Weidenschilling, S., Young, E., Morris, P.: The Formation and Evolution of Planetary Systems: Placing our Solar System in Context. In: M. Fridlund, Th. Henning (eds.): Towards Other Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets. Heidelberg. ESA SP-539 (2003), 349-354.
110. Ilgner, M., Henning, Th.: Chemical Evolution in Accretion Disks in View of Mass Transport Mechanisms. In: M. Fridlund, Th. Henning (eds.): Towards Other Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets. Heidelberg. ESA SP-539 (2003), 451-454.
111. Apai, D., Pascucci, I., Henning, Th., Sterzik, M.F., Klein, R., Semenov, D., Guenther, E., Stecklum, B.: Probing Dust around Brown Dwarfs: The Naked LP 944-20 and the Disk of Cha H α 2. In: E.L. Martin (ed.): Brown Dwarfs. Proceedings of IAU Symp. 211, Waikoloa, Hawaii, (2003), 137-138.
112. Pascucci, I., Apai, D., Wolf, S., Henning, Th.: Brown Dwarf Disks a Challenge for MIDI. In: G. Perrin, F. Malbet (eds.): Observing with the VLTI. Les Houches, France. EAS Publ. Ser. 6 (2003), 285-286.
113. Pascucci, I., Henning, Th., Steinacker, J., Wolf, S.: Analyze and Predict VLTI Observations: The Role of 2D/3D Dust Continuum Radiative Transfer Codes. In:

- M. Fridlund, Th. Henning (eds.): Towards Other Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets. Heidelberg. ESA SP-539 (2003), 533-536.
114. Schuller, P., Vannier, M., Petrov, R., López, B., Leinert, C., Henning, Th.: Direct Detection of Sub-stellar Companions with MIDI. In: M. Fridlund, Th. Henning (eds.): Towards Other Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets. Heidelberg. ESA SP-539 (2003), 583-587.
 115. Semenov, D., Henning, Th., Ilgner, M., Helling, C., Sedlmayr, E.: Opacities for Protoplanetary Disks. In: I. Hubeny, D. Mihalas, K. Werner (eds.): Stellar Atmosphere Modeling. Tübingen, Germany. ASP Conf. Ser. 288 (2003), 361-364.
 116. Küker, M., Henning, Th., Rüdiger, G.: Magnetic Star-Disk Interaction in Classical T Tauri Systems, *Astr. Space Sci.* 287 (2003), 83-86.
 117. Pascucci, I., Henning, Th., Steinacker, J., Wolf, S.: 2D/3D Dust Continuum Radiative Transfer Codes to Analyze and Predict VLTI Observations. *Astrophys. Space Sci.* 286 (2003), 113-118.
 118. Apai, D., Pascucci, I., Wang, H., Brandner, W., Henning, Th., Grady, C., Potter, D.: Adaptive Optics Imaging of Circumstellar Environments. In: M. Burton, R. Jayawardhana (eds.): Star Formation at High Angular Resolution. Proceedings of IAU Symp. 221 (2004), 307-312.
 119. Claudi, R.U., Costa, J., Feldt, M., Gratton, R., Amorim, A., Henning, Th., Hippler, S., Neuhauser, R., Pernechele, C., Turatto, M. et al.: CHEOPS: A Second Generation VLT Instrument for the Direct Detection of Exo-Planets. In: F. Favata, S. Aigrain and A. Wilson (eds.): Second Eddington Workshop: Stellar Structure and Habitable Planet Finding. Palermo. ESA SP-538 (2004), 301-304.
 120. Grady, C. A., Woodgate, B., Torres, Carlos A. O., Henning, Th., Apai, D., Rodmann, J., Wang, Hongchi, Stecklum, B., Linz, H., Williger, G. M., Brown, A., Wilkinson, E., Harper, G. M., Herczeg, G. J.: The Disk, Jet, and Environment of the Nearest Herbig Ae Star: HD 104237 In: The Search for Other Worlds: Fourteenth Astrophysics Conference. AIP Conf. Proc. 713 (2004), 47-50.
 121. Posselt, B., Klein, R., Schreyer, K., Henning, Th.: Dense Cloud Cores in Massive Star-forming Regions. *Balt. Astron.* 13 (2004), 411-414.
 122. Semenov, D., Pavlyuchenkov, Ya., Henning, Th., Herbst, E., van Dishoeck, E.: On the Feasibility of Chemical Modeling of a Proplanetary Disk. *Balt. Astron.* 13 (2004), 454-458.
 123. Wiebe, D., Semenov, D., Henning, Th.: Ionization Structure of Protoplanetary Disks from the Chemical Perspective. *Balt. Astron.* 13 (2004), 459-463.
 124. Wolf, S., Launhardt, R., Henning, Th.: Evolution of Magnetic Fields in Bok Globules? In: A.I. Gómez de Castro, M. Heyer, E. Vázquez-Semadeni, R. Rebolo, M. Tagger, R.E. Pudritz (eds.): Magnetic Fields and Star Formation: Theory Versus Observations. Spec. Issue of *Astrophys. Space Sci.* 292 (2004), 239-246.

125. Masciadri, E., Mundt, R., Alvarez, C., Henning, Th., Bailer-Jones, C., Lamm, C., Barrado-Navascues, D., Harayama, Y.: A Search for Hot Massive Planets around Nearby Young Stars with NACO. In: J.-P. Beaulieu, A. Lecavelier des Etangs, C. Terquem (eds.): *Extrasolar Planets: Today and Tomorrow*. ASP Conf. Ser. 321 (2004), 123.
126. Apai, D., Pascucci, I., Wang, H., Brandner, W., Henning, Th., Grady, C., Potter, D.: Adaptive Optics Imaging of Circumstellar Environments. In: M. Burton, R. Jayawardhana, T. Bourke (eds.): *Star Formation at High Angular Resolution*. Proceedings of IAU Symp. 221 (2004), 307-312.
127. Küker, M., Henning, Th., Rüdiger, G.: Magnetic Star-Disk Interaction in Classical T Tauri Stars, *Astr. Space Sci.* 292 (2004), 599-607.
128. Gisler, D., Schmid, H.M., Thalmann, C., Povel, H.P., Stenflo, J.O., Joos, F., Feldt, M., Lenzen, R., Tinbergen, J., Gratton, R., Stuik, R., Stam, D. M., Brandner, W., Hippler, S., Turatto, M., Neuhauser, R., Dominik, C., Hatzes, A., Henning, Th., Lima, J., Quirrenbach, A., Waters, L.B.F.M., Wuchterl, G., Zinnecker, H.: CHEOPS/ZIMPOL: A VLT Instrument Study for the Polarimetric Search of Scattered Light from Extrasolar Planets. In: G. Hasinger, M. J. L. Turner (eds.): *UV and Gamma-Ray Space Telescope Systems*. SPIE 5492 (2004), 463-474.
129. Lemke, D., Hofferbert, R., Grözing, U., Rohloff, R.-R., Böhm, A., Henning, Th., Huber, A., Mertin, S., Ramos, J., Wright, G., Hastings, P., Zehnder, A., Salasca, S., Kroes, G., Straubmeier, C., Eckart, A.: Positioning of Optical Elements in the Cryogenically Cooled Mid Infrared Instrument MIRI for the James Webb Space Telescope. In: J. Antebi, D. Lemke (eds.): *Astronomical Telescopes and Instrumentation*. SPIE (2004), 31-38.
130. Hofferbert, R., Lemke, D., Böhm, A., Grözing, U., Henning, Th., Huber, A., Krause, O., Mertin, S., Ramos, J., Rohloff, R.-R., Luichtel, G., Weidlich, K., Baudin, G., Posselt, W., Nalbandian, R., Jensen, P.: Prototyping of Cryomechanisms for the JWST Near-Infra-Red Spectrograph (NIRSpec). In: J. Antebi, D. Lemke (eds.): *Astronomical Telescopes and Instrumentation*. SPIE (2004), 56-66.
131. Hofferbert, R., Lemke, D., Grözing, U., Henning, Th., Mertin, S., Rohloff, R.-R., Wagner, K., Wright, G.S., Visser, H., Katzer, J., Salvasohn, M., Posselt, W., Fargant, G., Nalbandian, R.: Cryomechanisms for the Instruments MIRI and NIRSpec on the James Webb Space Telescope (JWST). In: M. Strojnik (ed.): *Infrared Spaceborne Remote Sensing XI*. SPIE 5152 (2004), 70-82.
132. Costa, J.B., Feldt, M., Wagner, K., Bizenberger, P., Hippler, S., Baumeister, H., Stumpf, M., Ragazzoni, R., Esposito, S., Henning, Th.: Status Report of PYRAMIR: a Near-infrared Pyramid Wavefront Sensor for ALFA. SPIE 5490 (2004), 1189-1199.
133. Quirrenbach, A., Henning, Th., Queloz, D., Albrecht, S., Bakker, E., Baumeister, H., Bizenberger, P., Bleuler, H., Dändliker, R., de Jong, J., Fleury, M., Frink, S., Gillet, D., Jaffe, W., Hanenburg, S.H., Hekker, S., Launhardt, R., le Poole, R., Maire, C.,

- Mathar, R., Mullhaupt, P., Murakawa, K., Pepe, F., Pragt, J., Sache, L., Scherler, O., Ségransan, D., Setiawan, J., Sosnowska, D., Tubbs, R., Venema, L., Wagner, K., Weber, L., Wüthrich, R.: The PRIMA Astrometric Planet Search Project. In: W.A. Traub (ed.): *New Frontiers in Stellar Interferometry*. SPIE 5491 (2004), 424-432.
134. Lopez, B., Przygodda, F., Wolf, S., Dugué, M., Graser, U., Gitton, P., Mathias, P., Antonelli, P., Augereau, J.-C., Berruyer, N., Bresson, Y., Chesneau, O., Dutrey, A., Flament, S., Glazeborg, A., Glindemann, A., Henning, Th., Hofmann, K.-H., Hugues, Y., Lagarde, S., Leinert, C., Meisenheimer, K., Menut, J.-L., Rohloff, R.-R., Roussel, A., Thiebaut, E., Weigelt, G.: APreS-MIDI, APerture Synthesis in the MID-Infrared with the VLTI. In: W.A. Traub (ed.): *New Frontiers in Stellar Interferometry*. SPIE 5491 (2004), 433-438.
 135. Frink, S., Hekker, S., Launhardt, R., Setiawan, J., Ségransan, D., Quirrenbach, A., Henning, Th., Queloz, D.: Preparing the PRIMA Astrometric Planet Search: Selecting Suitable Target and Reference Stars. In: W.A. Traub (ed.): *New Frontiers in Stellar Interferometry*. SPIE 5491 (2004), 1166-1173.
 136. Bakker, E. J., Quirrenbach, A., Tubbs, R. N., Ségransan, D., Launhardt, R., Venema, L. B., Dändliker, R., de Jong, J. A., Frink, S., Gillet, D., Hekker, S., Henning, Th., Jaffe, W., Le Poole, R., Müllhaupt, P., Murakawa, K., Pepe, F., Queloz, D., Sache, L., Setiawan, J., Sosnowska, D., Wüthrich, R.: PRIMA Astrometry Operations and Software. In: W. A. Traub (ed.): *New Frontiers in Stellar Interferometry*. SPIE 5491 (2004), 1203-1211.
 137. Dugué, M., Lopez, B., Przygodda, F., Graser, U., Gitton, Ph., Wolf, S., Mathias, Ph., Antonelli, P., Augereau, J.-C., Berruyer, N., Bresson, Y., Chesneau, O., Dutrey, A., Flament, S., Glazeborg, A., Glindemann, A., Henning, Th., Hofmann, K.-H., Lagarde, S., Hugues, Y., Leinert, Ch., Meisenheimer, K., Menut, J.-L., Rohloff, R.-R., Roussel, A., Thiebaut, E., Weigelt, G.: Recombining Light of the VLTI at 10 microns by Densifying the Images. In: W.A. Traub (ed.): *New Frontiers in Stellar Interferometry*. SPIE 5491 (2004), 1536-1539.
 138. Poglitsch, A., Waelkens, C., Bauer, O.H., Cepa, J., Henning, Th., van Hoof, C., Katterloher, R., Kerschbaum, F., Lemke, D., Renotte, E., Rodriguez, L., Royer, P., Saraceno, P.: The Photodetector Array Camera and Spectrometer (PACS) for the Herschel Space Observatory. In: A. Wilson (ed.): *The Dusty and Molecular Universe. A Prelude to Herschel and ALMA*. Paris. ESA SP-577 (2005), 11-16.
 139. Moro-Martín, A., Meyer, M.R., Hillenbrand, L.A., Backman, D.E., Beckwith, S.V.W., Bouwman, J., Brooke, T.Y., Carpenter, J.M., Cohen, M., Gorti, U., Henning, Th., Hines, D.C., Hollenbach, D., Kim, J.S., Lunine, J., Malhotra, R., Mamajek, E.E., Metchev, S., Morris, P., Najita, J., Padjett, D.L., Rodmann, J., Silverstone, M.D., Soderblom, D.R., Stauffer, J.R., Stobie, E.B., Strom, S.E., Watson, D.M., Weidenschilling, S.J., Wolf, S., Young, E.: The Formation and Evolution of Planetary Systems: First Results from a Spitzer Legacy Science Program. In: A. Wilson (ed.): *The Dusty and Molecular Universe. A Prelude to Herschel and ALMA*. Paris. ESA SP-577 (2005), 469-470.

140. Schartmann, M., Meisenheimer, K., Camenzind, M., Wolf, S., Henning, Th.: Towards a Physical Model of Dust Tori in Active Galactic Nuclei. In: C.C. Popescu, R.J. Tuffs (eds.): *The Spectral Energy Distributions of Gas-Rich Galaxies: Confronting Models with Data*. International Workshop. Heidelberg. AIP Conf. Proc. 761 (2005), 277-281.
141. Reffert, S., Launhardt, R., Hekker, S., Henning, Th., Queloz, D., Quirrenbach, A., Ségransan, D., Setiawan, J.: Choosing Suitable Target, Reference and Calibration Stars for the PRIMA Astrometric Planet Search. In: P.K. Seidelmann, A.K.B. Monet (eds.): *Astrometry in the Age of the Next Generation of Large Telescopes*. ASP Conf. Ser. 338 (2005), 81-89.
142. Hofferbert, R., Lemke, D., Böhm, A., de Bonis, F., Ebert, M., Grözinger, U., Henning, Th., Huber, A., Kuhlmann, S., Ramos, J., Rohloff, R.-R.: Development and Test programme of the Wheel Mechanisms for the Mid Infra-Red Instrument (MIRI) of the James Webb Space Telescope (JEST). In: B. Warmbein (ed.): *European Space Mechanisms and Tribology Symposium*. ESA SP-591 (2005), 107-116.
143. Gouliermis, D., Brandner, W., Henning, Th.: Stellar Associations in the LMC. Best Tracers of the Initial Mass Function? In: Corbelli, E., Palla, F., Zinnecker, H. (eds.) *The Initial Mass Function 50 Years Later*. Astrophysics and Space Science Library. Springer Berlin u.a. (2005) 199-200.
144. Masciadri, E., Mundt, R., Henning, Th., Alvarez, C., Barrado y Navascués: Searching for Massive Extrasolar Planets around Young and Nearby Stars: From NACO to CHEOPS. *Memorie della Societa Astronomica Italiana* 76 (2005), 416.
145. Pascucci, I., Apai, D., Henning, Th., Sterzik, M. F., Dullemond, C.P., Bouwman, J.: Brown Dwarfs: Disk Structure and Dust Mineralogy. *Memorie della Societa Astronomica Italiana* 76 (2005), 315.
146. Umbreit, S., Burkert, A., Henning, Th., Mikkola, S., Spurzem, R.: Brown Dwarfs from Decaying Accreting Triple Systems. *Memorie della Societa Astronomica Italiana* 76 (2005), 217.
147. Linz, H., Klein, R., Looney, L., Henning, Th., Forbrich, J., Posselt, B., Schreyer, K., Stecklum, B., Tobin, J., Wang, S.: Southern Infrared Dark Clouds And Their Environment As Seen By Spitzer. *Proceedings of IAU Symp.* Prague. 237 (2006), 156.
148. Lemke, D., Böhm, A., de Bonis, F., Ebert, M., Gross, T., Grözinger, U., Henning, Th., Hinz, M., Hofferbert, R., Huber, A., Krause, O., Kuhlmann, S., Luichtel, G., Ramos, J., Rohloff, R.-R., Stein, C., Trunz, M., Übele, M., Weidlich, K.: Cryogenic Filter- and Spectrometer Wheels for the Mid Infrared Instrument (MIRI) of the James Webb Space Telescope (JWST). In: E. Atad-Ettinger, J. Antebi, D. Lemke (eds): *Optomechanical Technologies for Astronomy*. SPIE 6273 (2006), 65.
149. Hippler, S., Hormuth, F., Brandner, W., Butler, D. J., Henning, Th., Egner, S.: The MPIA Multipurpose Laboratory Atmospheric Turbulence Simulator MAPS. In:

- B. L. Ellerbroek, D. Bonaccini Calia (eds.): *Advances in Adaptive Optics II*. SPIE 6272 (2006).
150. Biller, B.A., Close, L.M., Masciadri, E., Lenzen, R., Brandner, W., McCarthy, D., Henning, Th., Nielsen, E.L., Hartung, M., Kellner, S., Geissler, K., Kasper, M.: Contrast Limits with the Simultaneous Differential Extrasolar Planet Imager (SDI) at the VLT and MMT. In: B.L. Ellerbroek, D. Bonaccini Calia (eds.): *Advances in Adaptive Optics II*. SPIE 6272, (2006).
 151. Peter, D., Baumeister, H., Bizenberger, P., Feldt, M., Henning, Th., Hippler, S., Ligor, S., Mall, U., Neumann, U., Salm, N., Storz, C., Wagner, K.: PYRAMIR: Construction and Implementation of the World's First Infrared Pyramid Sensor. In: B.L. Ellerbroek, D. Bonaccini Calia (eds.): *Advances in Adaptive Optics II*. SPIE 6272, (2006).
 152. Feldt, M., Peter, D., Hippler, S., Henning, Th., Aceituno, J., Goto, M.: PYRAMIR: First On-Sky Results from an Infrared Pyramid Wavefront Sensor. In: B.L. Ellerbroek, D. Bonaccini Calia (eds.): *Advances in Adaptive Optics II*. SPIE 6272, (2006).
 153. Berton, A., Gratton, R., Antichi, J., Dohlen, K., Claudi, R., Feldt, M., Henning, Th., Beuzit, J.-L., Puget, P., Simulating Diffractions and Chromatic Effects in the Microlens Array in Searching for Extrasolar Planets with SPHERE IFS. In: I.S. McLean., M. Iye (eds.): *Ground-Based and Airborne Instrumentation for Astronomy*. SPIE 6269 (2006).
 154. Raab, W., Poglitsch, A., Klein, R., Hoenle, R., Schweizer, M., Viehhauser, W., Geis, N., Genzel, R., Looney, L. W., Hamidouche, M., Henning, Th., Haller, E. E.: Characterizing the System Performance of FIFI LS: The Field-Imaging Far-Infrared Line Spectrometer for SOFIA. In: I.S. McLean., M. Iye (eds.): *Ground-Based and Airborne Instrumentation for Astronomy*. SPIE 6269 (2006).
 155. Klein, R., Poglitsch, A., Raab, W., Geis, N., Hamidouche, M., Looney, L. W., Hoenle, R., Schweitzer, M., Viehhauser, W., Genzel, R., Haller, E.E., Henning, Th.: FIFI LS: The Far-Infrared Integral Field Spectrometer for SOFIA. In: I.S. McLean., M. Iye (eds.): *Ground-Based and Airborne Instrumentation for Astronomy*. SPIE 6269 (2006).
 156. Reffert, S., Ségransan, D., Launhardt, R., Henning, Th., Queloz, D., Quirrenbach, A., Pepe, F., Setiawan, J., Weise, P.: The PRIMA Astrometric Planet Search: Goals and Prospects. In: J.D. Monnier, M. Schöller, W.C. Danchi (eds.): *Advances in Stellar Interferometry*. SPIE 6268 (2006).
 157. Lagarde, S., Lopez, B., Antonelli, P., Beckman, U., Behrend, J., Bresson, Y., Chesneau, O., Dugué, M., Glazenborg, A., Graser, U., Hofmann, K. H., Jaffe, W., Leinert, Ch., Millour, F., Menut, J. L., Petrov, R. G., Ratzka, T., Weigelt, G., Wolf, S., Ábrahám, P., Connot, C., Henning, Th. et al.: MATISSE: A Four Beams Combiner in the Mid-Infrared for the VLTI. In: J.D. Monnier, M. Schöller, W.C. Danchi (eds.): *Advances in Stellar Interferometry*. SPIE 6268 (2006).

158. Lopez, B., Wolf, S., Lagarde, S., Ábrahám, P., Antonelli, P., Augereau, J. C., Beckman, U., Behrend, J., Berruyer, N., Bresson, Y., Chesneau, O., Clausse, J. M., Connot, C., Demyk, K., Danchi, W. C., Dugué, M., Flament, S., Glazenborg, A., Graser, U., Henning, Th. et al.: MATISSE: Perspective of Imaging in the Mid-Infrared at the VLTI. In: J.D. Monnier, M. Schöller, W.C. Danchi (eds.): *Advances in Stellar Interferometry*. SPIE 6268 (2006).
159. Weldrake, D.T.F., Setiawan, J., Weise, P., Henning, Th.: Radial Velocity Follow-up of Planetary Transit Candidate MACHO.120.22303.5389. In: C. Afonso, D. Weldrake, Th. Henning (eds.): *ASP Conf. Ser. 366* (2007), 265-267.
160. Afonso, C., Henning, Th.: The Pan-Planets Project. In: C. Afonso, D. Weldrake, Th. Henning (eds.): *ASP Conf. Ser. 366* (2007), 326-331.
161. Surdej, A. Chelli, P. Garcia, Th. Henning, Quirrenbach, A.: The European Interferometry Initiative (EII) within OPTICON. In: N. Epchtein, M. Candidi (eds.): *1st ARENA Conference "Large Astronomical Infrastructures at CONCORDIA, Prospects and Constraints for Antarctic Optical/IR Astronomy"*. EAS Publications Series 25, EdP Sciences, (2007) 301-308.
162. Setiawan, J., Weise, P., Henning, Th., Hatzes, A. P., Pasquini, L., da Silva, L., Girardi, L., von der Lühe, O., Dollinger, M. P., Weiss, A., Biazzo, K.: Planets around Active Stars. In: L. Pasquini, M. Romaniello, N.C. Santos, A. Correia (eds.): *Proceedings of the ESO Workshop "Precision Spectroscopy in Astrophysics"* (2008), 201-204.
163. Weise, P., Setiawan, J., Henning, Th., Müller, A.: High-resolution Spectroscopic Characterization of Young Stars. In: L. Pasquini, M. Romaniello, N.C. Santos, A. Correia (eds.): *Proceedings of the ESO Workshop "Precision Spectroscopy in Astrophysics"* (2008), 325-326.
164. Dib, S., Shadmehri, M., Gopinathan, M., Kim, J., Henning, Th.: Primordial Mass Segregation in Starburst Stellar Clusters. In: H. Beuther, H. Linz, Th. Henning (eds.): *Proceedings of the Meeting "Massive Star Formation: Observations confront Theory"*. ASP Conf. Ser. 387 (2008), 282-289.
165. Puga, E., Bik, A., Waters, L.B.M.F., Henning, Th., Kaper, L., van den Ancker, M., Lenorzer, A. et al.: Probing the Early Evolution of Young High-mass Stars. In: H. Beuther, H. Linz, Th. Henning (eds.): *Proceedings of the Meeting "Massive Star Formation: Observations confront Theory"*. ASP Conf. Ser. 387 (2008), 331-337.
166. Linz, H., Henning, Th., Stecklum, B., Men'shchikov, A., van Boekel, R., Follert, R., Feldt, M.: Dissecting Massive YSOs with Mid-Infrared Interferometry. In: H. Beuther, H. Linz, Th. Henning (eds.): *Proceedings of the Meeting "Massive Star Formation: Observations confront Theory"*. ASP Conf. Ser. 387 (2008), 132-139.
167. Henning, Th.: Conference Summary. In: H. Beuther, H. Linz, Th. Henning (eds.): *Massive Star Formation: Observations Confront Theory*. ASP Conf. Ser. 387 (2008), 452-457.

168. Pavlov, A., Feldt, M., Henning, Th.: Data Reduction and Handling for SPHERE. In: R.W. Argyle, P.S. Bunclark, J.R. Lewis (eds.): *Astronomical Data Analysis Software and Systems*. ASP Conf. Ser. 394, (2008), 581-584.
169. Eisenhauer, F., Perrin, G., Brandner, W., Straubmeier, C., Richichi, A., Gillessen, S., Berger, J. P., Hippler, S., Eckart, A., Schöller, M., Rabien, S., Cassaing, F., Lenzen, R., Thiel, M., Clénet, Y., Ramos, J.R., Kellner, S., Fédou, P., Baumeister, H., Hofmann, R., Gendron, E., Boehm, A., Bartko, H., Haubois, X., Klein, R., Dodds-Eden, K., Houairi, K., Hormuth, F., Gräter, A., Jocou, L., Naranjo, V., Genzel, R., Kervella, P., Henning, Th., Hamaus, N., Lacour, S., Neumann, U., Haug, M., Malbet, F., Laun, W., Kolmeder, J., Paumard, T., Rohloff, R.-R., Pfuhl, O., Perraut, K., Ziegleder, J., Rouan, D., Rousset, G.: GRAVITY: Getting to the Event Horizon of Sgr A*. In: M. Schöller, W.C. Danchi, F. Delplancke (eds.): *Optical and Infrared Interferometry*. SPIE 7013 (2008), 70132A-70132A-13.
170. Brandl, B.R., Lenzen, R., Pantin, E., Glasse, A., Blommaert, J., Venema, L., Molster, F., Siebenmorgen, R., Boehnhardt, H., van Dishoeck, E., van der Werf, P., Henning, Th., Brandner, W., Lagage, P.-O., Moore, T.J.T., Baes, M., Waelkens, C., Wright, C., Küfl, H.U., Kendrew, S., Stuik, R., Jolissaint, L.: METIS: The Mid-Infrared E-ELT Imager and Spectrograph. Ground-Based and Airborne Instrumentation for Astronomy II. In: I.S. McLean, M.M. Casali (eds.): *Ground-Based and Airborne Instrumentation for Astronomy II*. SPIE 7014 (2008), 70141N-70141N-15.
171. Hippler, S., Brandner, W., Clénet, Y., Hormuth, F., Gendron, E., Henning, Th., Klein, R., Lenzen, R., Meschke, D., Naranjo, V., Neumann, U., Ramos, J., Rohloff, R.-R., Eisenhauer, F.: Near-infrared Wavefront Sensing for the VLT Interferometer: In: N. Hubin, C.E. Max, P.L. Wizinowich (eds.): *Adaptive Optics Systems*. SPIE 7015 (2008), 701555-701555-11.
172. Hormuth, F., Hippler, S., Brandner, W., Wagner, K., Henning, Th.: AstraLux: The Calar Alto Lucky Imaging Camera. I.S. McLean, M.M. Casali (eds.): *Ground-Based and Airborne Instrumentation for Astronomy II*. SPIE 7014 (2008), 701448-701448-12.
173. Carmona, A., van den Ancker, M.E., Henning, Th., Pavlyuchenkov, Y., Dullemond, C.P., Goto, M., Fedele, D., Stecklum, B., Thi, W.F., Bouwman, J., Waters, L.B.F.M.: Searching for H₂ Emission from Protoplinary disks Using Near and Mid-Infrared High-resolution Spectroscopy. In: Y.-S. Sun, S. Ferraz-Mello, J.-L. Zhou (eds.): *Exoplanets: Detection, Formation and Dynamics*. Cambridge Univ. Press, Cambridge 249 (2008), 359-368.
174. Elias, N.M., Tubbs, R.N., Köhler, R., Reffert, S., Stilz, I., Launhardt, R., de Jong, J., Quirrenbach, A., Delplancke, F., Henning, Th., Queloz, D.: The Astrometric Data Reduction Software (ADRS) and Error Budget for PRIMA. In: Y.-S. Sun, S. Ferraz-Mello, J.-L. Zhou (eds.): *Exoplanets: Detection, Formation and Dynamics*. Cambridge Univ. Press, Cambridge 249 (2008), 119-122.

175. Feldt, M., Pascucci, I., Chesneau, O., Apai, D., Henning, Th., Leinert, C., Linz, H., Men'shchikov, Stecklum, B.: Interferometry of M8E-IR with MIDI-Resolving the Dust Emission. In: A. Richichi, Delplancke, F., F. Paresce (eds.): The Power of Optical /IR Interferometry: Recent Scientific Results and 2nd Generation. Springer, Heidelberg (2008), 263-267.
176. Henning, Th.: The Power of Optical and Infrared Interferometry - from Dreams to Reality. In: A. Richichi, Delplancke, F., F. Paresce (eds.) The Power of Optical /IR Interferometry: Recent Scientific Results and 2nd Generation. Springer, Heidelberg (2008), 325-327.
177. Launhardt, R., Bakker, E.J., Ballester, P., Baumeister, H., Bizenberger, P., Bleuler, H., Dändliker, R., Delplancke, F., Derie, F., Fleury, M., Glindemann, A., Gillet, D., Hannenburg, H., Henning, Th., Jaffe, W. et al.: The PRIMA Astrometric Planet Search Project. In: A. Richichi, Delplancke, F., F. Paresce (eds.) The Power of Optical /IR Interferometry: Recent Scientific Results and 2nd Generation. Springer Heidelberg (2008), 551-553.
178. Linz, H., Stecklum, B., Follert, R., Henning, Th., van Boekel, R., Men'shchikov, A., Pascucci, I., Feldt, M.: Mid-Infrared Interferometry of Massive Young Stellar Objects. In: R. Schoedel, A. Eckart, S. Pfalzner, E. Ros (eds.): Proceedings of the Conference "The Universe under the Microscope" (AHAR 2008), Bad Honnef, Journal of Physics: Conf. Ser. by Institute of Physics Publishing (2008), 012024.
179. Hormuth, F., Brandner, W., Hippler, S., Henning, Th.: AstraLux - the Calar Alto 2.2-m telescope Lucky Imaging camera. Proceedings of "The Universe under the Microscope - Astrophysics at High Angular Resolution", Journal of Physics: Conf. Ser. by Institute of Physics Publishing (2008), 02051.
180. Schartmann, M., Meisenheimer, K., Klahr, H., Camenzind, M., Wolf, S., Henning, Th.: Turbulent AGN Tori: *Memorie della Societa Astronomica Italiana* 79 (2008) 1132-1135.
181. Bakos, G., Afonso, C., Henning, Th., Jordán, A., Holman, M., Noyes, R.W., Sackett, P.D., Sasselov, D., Kovács, G., Csubry, Z., Pál, A.: HAT-South: A Global Network of Southern Hemisphere Automated Telescopes to Detect Transiting Exoplanets. In: F. Pont, D. Sasselov, M. Holman. (eds.), *Transiting Planets*. Cambridge Univ. Press, Cambridge 2009, Vol. 253, 354-357.
182. Huisken, F., C. Jäger, H. Mutschke and T. Henning: Gas-phase Condensation of Nanometer- and Subnanometer-sized Carbon Grains and Polycyclic Aromatic Hydrocarbons. *Diamond and Related Materials* 18 (2009), 392-395.
183. Quirrenbach, A., Amado, P.J., Mandel, H., Caballero, J.A., Ribas, I., Reiners, A., Mundt, R., Abril, M., Afonso, C. et al.: CARMENES: Calar Alto High-resolution Search for M-Dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph, In: V. Coudé du Foresto, D. M. Gelino, I. Ribas (eds.): *Pathways Towards Habitable Planets*, ASP Conf. Ser. Barcelona 430 (2010), 521-523.

184. Quirrenbach, A., Amado, P. J., Mandel, H., Caballero, J. A., Mundt, R., Ribas, I., Reiners, A., Abril, M., Aceituno, J., Afonso, C. et al.: CARMENES: Calar Alto High-resolution Search for M-Dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph, In: I.S. McLean, S.K. Ramsay, H. Takami (eds.): *Ground-based and Airborne Instrumentation for Astronomy III*, SPIE Conf. 7735 (2010), 773513-773513-14.
185. Hormuth, F., Brandner, W., Janson, M., Hippler, S., Henning, Th.: The AstraLux Large M-Dwarf Survey. *Proceedings of the 15th Cambridge Workshop on Cool Stars*, St. Andrews, AIP Conference Proceedings, Vol. 1094 (2010), 935-938.
186. Wright, G.S., Rieke, G., Boeker, T., Colina, L., van Dishoeck, E., Driggers, P., Friedman, S., Glasse, A., Goodson, G., Greene, T., Guedel, M., Henning, Th., Lagage, P.-O., Lorenzo-Alvarez, J., Meixner, M., Norgaard-Nielsen, H., Olofsson, G., Ray, T., Ressler, M., Sukhatme, K., Thatcher, J., Waelkens, C., Wright, D.: Progress with the Design and Development of MIRI, the Mid-IR Instrument for JWST. In: J.M. Jr. Oschmann, M.C. Clampin, MacEwen, H.A. (eds.): *Space Telescopes and Instrumentation 2010: Optical, Infrared, and Millimeter Wave*, SPIE 7731 (2010), 77310E-77310E-10.
187. Swain, M.R., Vasisht, G., Henning, Th., Tinetti, G., Beaulieu, J.-Ph.: THESIS: the Terrestrial Habitable-zone Exoplanet Spectroscopy Infrared Spacecraft. In: J.M. Oschmann, Jr., M.C. Clampin, MacEwen, H.A. (eds.): *Space Telescopes and Instrumentation 2010: Optical, Infrared, and Millimeter Wave*, SPIE 7731 (2010), 773125-773125-7.
188. Gillessen, S., Eisenhauer, F., Perrin, G., Brandner, W., Straubmeier, C., Perraut, K., Amorim, A. et al.: GRAVITY: A Four-telescope Beam Combiner Instrument for the VLTI. In: W.C. Danchi, F. Delplancke, J.K. Rajagopal (eds.): *Optical and Infrared Interferometry II*, SPIE 7734 (2010), 77340Y-77340Y-20.
189. Müller, A., Pott, J.-U., Morel, S., Abuter, R., van Belle, G., van Boekel, R., Burtscher, L., Delplancke, F., Henning, Th., Jaffe, W., Leinert, Ch., Lopez, B., Matter, A., Meisenheimer, K., Schmid, C., Tristram, K., Verhoeff, A.P.: First Results Using PRIMA FSU as a Fringe Tracker for MIDI. In: W.C. Danchi, F. Delplancke, J.K. Rajagopal (eds.): *Optical and Infrared Interferometry II*, SPIE 7734 (2010), 773420-773420-15.
190. Koehler, R., Stilz, I., Quirrenbach, A., Kaminski, A., Schulze-Hartung, T., Launhardt, R., Elias, Nicholas M., II, Henning, Th., Queloz, D.: The Data-reduction Software for Micro-arcsecond Astrometry with PRIMA at the VLTI. In: W.C. Danchi, F. Delplancke, J.K. Rajagopal (eds.): *Optical and Infrared Interferometry II*, SPIE 7734 (2010), 77344B-77344B-7.
191. Quirrenbach, A., Amado, P.J., Mandel, H., Caballero, J.A., Mundt, R., Ribas, I., Reiners, A., Abril, M., Aceituno, J., Afonso, C., Barrado Y Navascues, D., Bean, J.L. et al.: CARMENES: Calar Alto High-resolution Search for M-Dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph. In: I.S. McLean, S.K. Ramsay,

- H. Takami, (eds.): Ground-based and Airborne Instrumentation for Astronomy III., SPIE 7735 (2010), 773513-773513-14.
192. Klein, R., Poglitsch, A., Raab, W., Geis, N., Hamidouche, M., Looney, L.W., Hönle, R., Nishikida, K., Genzel, R., Henning, Th. K.: FIFI LS Getting Ready to Fly aboard SOFIA. In: I.S. McLean, S.K. Ramsay, H. Takami, (eds.): Ground-based and Airborne Instrumentation for Astronomy III., SPIE 7735 (2010), 77351T-77351T-8.
 193. Brandl, B.R., Lenzen, R., Pantin, E., Glasse, A., Blommaert, J., Venema, L., Molster, F., Siebenmorgen, R., Kendrew, S., Baes, M., Bönhardt, H., Brandner, W., van Dishoeck, E., Henning, Th., Käufl, H.-U., Lagage, P.-O., Moore, Toby J.T., Waelkens, Ch., van der Werf, P.: Instrument Concept and Science Case for the Mid-IR E-ELT Imager and Spectrograph METIS. In: I.S. McLean, S.K. Ramsay, H. Takami, (eds.): Ground-based and Airborne Instrumentation for Astronomy III., SPIE 7735 (2010), 77352G-77352G-16.
 194. Lenzen, R., Brandl, Bernhard R., Pantin, Eric, Glasse, Alistair, Blommaert, Joris at al.: METIS: System Engineering and Optical Design of the Mid-infrared E-ELT Instrument. In: I.S. McLean, S.K. Ramsay, H. Takami, (eds.): Ground-based and Airborne Instrumentation for Astronomy III., SPIE 7735 (2010), 77357O-77357O-12.
 195. Krause, O., Müller, F., Birkmann, S., Böhm, A., Ebert, M., Grözing, U., Henning, Th., Hofferbert, R., Huber, A., Lemke, D., Rohloff, R.-R., Scheithauer, S., Gross, T., Fischer, T., Luichtel, G., Merkle, H., Übele, M., Wieland, H.-U., Amiaux, J., Jager, R., Glauser, A., Parr-Burman, P., Sykes, J.: High-precision Cryogenic Wheel Mechanisms of the JWST/MIRI Instrument: Performance of the Flight Models. In: E. Atad-Etchedgui, D. Lemke (eds.), Modern Technologies in Space- and Ground-based Telescopes and Instrumentation., SPIE 7739 (2010), 773918-773918-12.
 196. Beuzit, J.-L., Boccaletti, A., Feldt, M., Dohlen, K., Mouillet, D., Puget, P., Wildi, F., Abe, L., Antichi, J., Baruffolo, A. et al.: Direct Detection of Giant Extrasolar Planets with SPHERE on the VLT. In: V. Coudé du Foresto, D.M. Gelino, I. Ribas (eds.) Pathways Towards Habitable Planets. ASP Conf. Ser. Barcelona (2010), p. 231.
 197. Bergfors, C., Brandner, W., Janson, M., Kudryavtseva, N., Daemgen, S., Hippler, S., Hormuth, F., Henning, Th.: Towards Astrometric Detection of Neptune- to Earth-Mass Planets around M-Stars. In: V. Coudé du Foresto, D.M. Gelino, I. Ribas (eds.), Pathways Towards Habitable Planets. ASP Conf. Ser. 430 (2010), 405-406.
 198. Schnupp, C., Brandner, W., Bergfors, C., Geißler, K.G., Daemgen, S., Hippler, S., Hormuth, F., Lenzen, R., Henning, Th., Janson, M., Pantin, E. Characterization of Exoplanet Atmospheres in the Solar Neighbourhood with E-ELT/METIS. In: V. Coudé du Foresto, D.M. Gelino, I. Ribas (eds.), Pathways Towards Habitable Planets. ASP Conf. Ser. 430 (2010), 534-535.
 199. Gouliermis, D.A., Henning, Th., Brandner, W., Rosa, M.R., Dolphin, A.E., Schmalzl, M., Hennekemper, E., Zinnecker, H., Panagia, N., Chu, Y.-H., Brandl, B., Quanz,

- S.P., Robberto, M., de Marchi, G., Gruendl, R.A., Romaniello, M.: A Hubble View of Star Forming Regions in the Magellanic Clouds. In: F.D. Macchetto (ed.), *The Impact of HST on European Astronomy*, Springer Dordrecht (2010), 405-406.
200. Rochau, B., Brandner, W., Stolte, A., Gennaro, M., Henning, Th.: Internal Dynamics of the NGC 3603 Young Cluster. In: R. de Grijs, J.R.D. Lépine (eds), *Star Clusters: Basic Galactic Building Block throughout Time and Space*, Conf. Proc. Cambridge Press, IAU Symposium 266 (2010), L90-L94.
 201. Klement, R.J., Setiawan, J., Henning, Th., Rix, H.-W., Rochau, B., Rodmann, J., Schulze-Hartung, T.: The Visitor from an Ancient Galaxy: A Planetary Companion around an Old, Metal-poor Red Horizontal Branch Star, *The Astrophysics of Planetary Systems Proceedings of IAU Symp.* 276 (2011), 121-125.
 202. Kuiper, R., Klahr, H., Beuther, H., Henning, Th.: The Role of Accretion Disks in the Formation of Massive Stars. In: J. Alves, B. Elmegreen, J. Girart, V. Trimble (eds.), *Computational Star Formation Proceedings IAU Symp.* 270 (2011), 215-218.
 203. Steinacker, J., Henning, Th., Bacmann, A.: Radiative Transfer Modeling of Simulation and Observational Data. In: J. Alves, B. Elmegreen, J. Girart, V. Trimble (eds.), *Computational Star Formation Proceedings IAU Symp.* 270 (2011), 433-441.
 204. Kuiper, R., Klahr, H., Beuther, H., Henning, Th.: Radiation Pressure Feedback in the Formation of Massive Stars. *Bulletin de la Société Royale des Sciences de Liege* 80 (2011), 211-216.
 205. Nikolov, N., Moyano, M., Henning, Th., Dreizler, S., Mundt, R.: Giant Transiting Planets Observations with LAIWO. In: F. Bouchy, R. Diaz, C. Moutou (eds.) *Giant Transiting Planets Observations with LAIWO*, St. Michel l'Observatoire, France, 11, EDP Sciences online (2011), Volume 11, id.06004.
 206. Setiawan, J., Klement, R., Henning, Th., Rix, H.W., Rochau, B., Schulze-Hartung, T., Rodmann, J., Drechsel, H., Heber, U.: A Planetary Companion around a Metal-poor Star with Extragalactic Origin. In: S. Schuh, H. Drechsel, U. Heber (eds.): *AIP*. 1331. Melville, NY (2011), 182-189.
 207. Wang, W., Boudreault, S., Caballero, J., Bailer-Jones, C.A. L., Goldman, B., Henning, Th.: The Stellar and Substellar Mass Function in Central Region of the Old Open Cluster Praesepe from Deep LBT Observations. In: E.L. Martin, J. Ge, W. Lin (eds.) *Research, Science and Technology of Brown Dwarfs and Exoplanets*, Conf. Proc. on Occasion of a Total Eclipse of the Sun, EPJ Web of Conf., 16 (2011), id.06011.
 208. Quirrenbach, A., Geisler, R., Henning, Th., Launhardt, R., Elias, N., Pepe, F., Queloz, D., Reffert, S., Segransan, D., Setiawan, J.: ESPRI: Astrometric Planet Search with PRIMA at the VLTI. In: E.L. Martin, J. Ge, W. Lin (eds.), *Research, Science and Technology of Brown Dwarfs and Exoplanets*, Conf. Proc. on Occasion of a Total Eclipse of the Sun, EPJ Web of Conf., 16, (2011), id.07005.

209. Bik, A., Henning, Th., Stolte, A., Brandner, W., Gouliermis, D., Gennaro, M., Pasquali, A., Rochau, B., Beuther, H., Wang, Y.: Dissecting High-mass Star-forming Regions, Tracing back their Complex Formation History. In: E.J. Alfaro Navarro, A.T. Gallego Calvente, M.R. Zapatero Osorio (eds.), *Stellar Clusters and Associations - A RIA workshop on GAIA*, Granada, online (2011), 210-214.
210. Rochau, B., Brandner, W., Stolte, A., Henning, Th., da Rio, N., Gennaro, M., Hormuth, F., Marchetti, E., Amico, P.: VLT-MAD observations of Trumpler 14. In: E.J. Alfaro Navarro, A.T. Gallego Calvente, M.R. Zapatero Osorio (eds.), *Stellar Clusters and Associations: A RIA Workshop on Gaia*, Granada, online (2011), 239-243.
211. Olczak, C., Spurzem, R., Henning, Th., Kaczmarek, T., Pfalzner, S., Harfst, S., Portegies Zwart, S.: Dynamics in Young Star Clusters: From Planets to Massive Stars. In: E.J. Alfaro Navarro, A.T. Gallego Calvente, M.R. Zapatero Osorio (eds.), *Stellar Clusters and Associations - A RIA workshop on GAIA*, Granada, (2011), 142-147.
212. Schartmann, M., Meisenheimer, K., Klahr, H., Camenzind, M., Wolf, S., Henning, Th., Burkert, A., Krause, M.: Hydrodynamic Studies of Turbulent AGN Tori, *EAS Publ. Ser.* 44 (2011), 69-72.
213. Pagani, L., Bacmann, A., Steinacker, J., Stutz, A., Henning, Th.: Coreshine: The Ubiquity of Micron-sized Grains in Star-forming Regions, *EAS Publ. Ser.* 52 (2011), 225-228.
214. Olczak, C., Spurzem, R., Henning, Th., Brun, A.S., Miesch, M.S., Ponty, Y.: Rapid Mass Segregation in Young Star Clusters without Substructure? In: N.H. Brummell, S.A. Brun, M.S. Miesch et al. (eds.), *Astrophysical Dynamics: From Stars to Galaxies*, Cambridge Univ. Press (2011), 389-390.
215. Huisken, F., Rouillé, G. Y. Carpentier, Y., Steglich, M. and Henning, Th.: Absorption Spectroscopy of Astrophysically Relevant Molecules in Supersonic Jets. In: 27th International Symposium on Rarefied Gas Dynamics, D.A. Levin, I.J. Wysong, A.L. Garcia et al. (eds.) *AIP Conf. Proc.* 1333, Melville, NY (2012), 819-824.
216. Mordasini, C., Dittkrist, K.-M., Alibert, Y., Klahr, H., Benz, W., Henning, Th.: Application of Recent Results on the Orbital Migration of Low Mass Planets: Convergence Zones, *The Astrophysics of Planetary Systems: Formation, Structure, and Dynamical Evolution*, *IAU Symp.* 276 (2011), 72-75.
217. Johansen, A., Klahr, H., Henning, Th.: High-resolution Simulations of Planetaryesimal Formation in Turbulent Protoplanetary Discs: *The Astrophysics of Planetary Systems: Formation, Structure, and Dynamical Evolution*, *IAU Symp.* 276 (2011), 89-94.
218. Tinetti, G., Cho, James Y.-K., Griffith, C.A., Grasset, O., Grenfell, L., Guillot, T., Koskinen, T.T., Moses, J.I., Pinfield, D., Tennyson, J., Tessenyi, M., Wordsworth, R., Aylward, A. et al.: *The Science of EChO: The Astrophysics of Planetary Systems:*

Formation, Structure, and Dynamical Evolution, Proceedings of the International Astronomical Union, IAU Symp. 276 (2011), 359-370.

- 219. Bergfors, C., Brandner, W., Henning, Th., Daemgen, S.: Stellar Companions to Exoplanet Host Stars with Astralux: The Astrophysics of Planetary Systems: Formation, Structure, and Dynamical Evolution, Proceedings of the International Astronomical Union, IAU Symp. 276 (2011), 397-398.
- 220. Dzyurkevich, N., Turner, N.J., Kley, W., Klahr, H., Henning, Th.: 3D Global Simulations of Proto-planetary Disk with Dynamically Evolving Outer Edge of Dead Zone. In: A. Sozzetti, M.G. Lattanzi, A.P. Boss (eds.): The Astrophysics of Planetary Systems: Formation, Structure, and Dynamical Evolution, Proceedings of the International Astronomical Union, IAU Symp. 276 (2011), 407-408.
- 221. Uribe, A., Klahr, H., Flock, M., Henning, Th.: 3D MHD Simulations of Planet Migration in Turbulent Stratified Disks: The Astrophysics of Planetary Systems: Formation, Structure, and Dynamical Evolution, Proceedings of the International Astronomical Union, IAU Symp. 276 (2011), 515-516.
- 222. Groenewegen, M.A.T. Waelkens, C., Barlow, M.J., Kerschbaum, F., Garcia-Lario, P., Cernicharo, J., Blommaert, J.A.D.L. et al.: Results from the Herschel Key Program MESS. In: F. Kerschbaum (ed.) Why Galaxies Care about AGB Stars II: Shining Examples and Common Inhabitants, ASP Conf. Ser. 445, (2011), 567-575.
- 223. Boley, P., van Boekel, R., Linz, H., Bouwman, J., Sobolev, A., Henning, Th.: Observations and Modeling of the Massive Young Star AFGL 4176: From Large Scales to Small. In: M. Creech-Eakman et al. (eds.), Interferometry Workshop "Resolving the Future of Astronomy with Long-Baseline Interferometry", ASP Conf. Ser. 487, (2011), 413-418.
- 224. Nikolov, N., Koppenhoefer, J., Lendl, M., Henning, Th., Greiner, J.: Multiband Transit Light Curve Modeling of WASP-4: From Interacting Binaries to Exoplanets: Essential Modeling Tools, Proceedings of the International Astronomical Union, IAU Symp. 282 (2012), 141-142.
- 225. Bergfors, C., Brandner, W., Daemgen, S., Henning, Th.: Lucky Imaging Survey for Binary Exoplanet Hosts: Interacting Binaries to Exoplanets: Essential Modeling Tools, Proceedings of the International Astronomical Union, IAU Symp. 282 (2012), 193-194.
- 226. Bergfors, C., Brandner, W., Hippler, S., Henning, Th., Janson, M., Hormuth, F.: The AstraLux Binary M-Dwarfs Survey: From Interacting Binaries to Exoplanets: Essential Modeling Tools, Proceedings of the International Astronomical Union, IAU Symposium, 282 (2012), 460-461.
- 227. Chu, Y.-H., Kwok, S., Millar, T.J., Breitschwerdt, D., Burton, M.G., Cabrit, S., Caselli, P., de Gouveia Dal Pino, E.M., Evans, N.J., Henning, Th., Juvela, M.J., Koo, B.-C., Rozyczka, M., Toth, L.V. Tsuboi, M., Yang, J.: Interstellar Matter, Transactions IAU 7, Cambridge Univ. Press, Cambridge (2012), 227-235.

228. Olczak, C., Spurzem, R., Henning, Th., Kaczmarek, T., Pfalzner, S., Harfst, S., Portegies-Zwart, S.: Dynamics in Young Star Clusters: From Planets to Massive Stars, In: R. Capuzzo-Dolcetta, M. Limongi, A. Tornambé (eds.), *Advances in Computational Astrophysics: Methods, Tools, and Outcome*. ASP Conf. Ser., 453 (2012), 241-245.
229. Commerçon, B., Hennebelle, P., Audit, E., Chabrier, G., Teyssier, R., Henning, Th.: Combined Feedbacks of Magnetic Field and Radiative Transfer on Dense Core Collapse, In: R. Capuzzo-Dolcetta, M. Limongi, A. Tornambé (eds.), *Advances in Computational Astrophysics: Methods, Tools, and Outcome*. ASP Conf. Ser. 453 (2012), 13-17.
230. Sahlmann, J., Ségransan, D., Mérand, A., Zimmerman, N., Abuter, R., Chazelas, B., Delplancke, F., Henning, Th., Kaminski, A., Köhler, R., Launhardt, R., Mohler, M., Pepe, F., Queloz, D., Quirrenbach, A., Reffert, S., Schmid, C., Schuhler, N., Schulze-Hartung, T.: Narrow-angle Astrometry with PRIMA, Optical and Infrared Interferometry III. *Proceedings of the SPIE*, 8445 (2012), 84450S.
231. Bik, A., Henning, Th., Stolte, A., Brandner, W., Gouliermis, D.A., Gennaro, M., Pasquali, A., Rochau, B., Beuther, H., Ageorges, N., Seifert, W., Wang, Y., Kudryavtseva, N.: Age Spread in Galactic Star Forming Region W3 Main, Conf. Proc. "370 years of Astronomy in Utrecht". ASP Conf. Ser. 470, (2013), 367-370.
232. Gálvez-Ortiz, M.C., Zapatero Osorio, M.R., Bihain, G., Boudreault, S., Rebolo, R., Caballero, J.A., Béjar, V. J. S., Henning, Th., Goldman, B., Mundt, R., Bailer-Jones, C.A.L., Manjavacas, E.: Search for Pleiades T-Dwarfs. *Memorie della Societa Astronomica Italiana* 84 (2013), 945-947.
233. Goldman, B., Röser, S., Schilbach, E., Magnier, E. A., Olczak, C., Henning, Th. and the Pan-STARRS1 Science Consortium: The Pan-STARRS1 View of the Hyades Cluster . *Roese11. Memorie della Societa Astronomica Italiana* 84 (2013), 921-925.
234. Koppenhoefer, J., Henning, Th., Saglia, R.P., Obermeier, C., Kretschmann, S., Nikolov, N.: The Pan-STARRS1 Planet Survey: Overview and First Results. In: *Hot Planets and Cool Stars*, EDP Sciences (2013) id.03002 online.
235. Kürster, M., Zechmeister, M., Endl, E., Lo Curto, G., Hartman, H., Nilsson, H., Henning, Th., Hatzes, A.P., Cochran, W.D.: Jupiter Analogues and Planets of Active Stars. EDP Sciences (2013) id.05005 online.
236. Levrier, F., Commerçon, B., Maury, A.J., Henning, Th., Launhardt, R., Dullemond, C., Kuno, N., Yamamoto, S.: Simulated ALMA Observations of Collapsing Low-mass Dense Cores. ASP Conf. Ser. 476 (2013), 313-314.
237. Mancini, L., Ciceri, S., Henning, Th.: Photometric Follow-up of Transiting Extrasolar Planets and the HATSouth Survey. *European Planetary Science Congress* (2013), id.441 online.
238. Manjavacas, E., Goldman, B., Reffert, S., Henning, Th.: Parallax Measurements of Six Brown Dwarfs. *Memorie della Societa Astronomica Italiana* 84 (2013), 960-962.

239. Sauvage, J.F., Beuzit, J. L., Roelfsema, R., Feldt, M., Dohlen, K., Mouillet, D., Puget, P. et al.: SPHERE: Complete Laboratory Performance and Prediction for on-sky First Light. SPIE (2013), 88640B.
240. Thalmann, C., Desidera, S., Bergfors, C., Boccaletti, A., Bonavita, M., Carson, J.C., Feldt, M., Goto, M., Henning, Th., Janson, M., Mordasini, C.: SPOTS: Search for Planets Orbiting Two Stars. A Direct Imaging Survey for Circumbinary Planets. European Planetary Science Congress (2013), id.1020 online.
241. Rouillé, G., Jäger, C., Huisken, F., Henning, Th.: Polyynyl-substituted PAH Molecules and DIB Carriers. Proceedings of the IAU Symposium, Vol. 297 (2014), 276-280.
242. Vigan, A., Chauvin, G., Bonavita, M., Desidera, S., Bonnefoy, M., Mesa, D., Beuzit, J.-L., Augereau, J.-C., Biller, B., Boccaletti, A. et al.: Results of the NaCo Large Program: Probing the Occurrence of Exoplanets and Brown Dwarfs at Wide Orbit. Exploring the Formation and Evolution of Planetary Systems, Proceedings of the IAU Symposium, Vol. 299 (2014), 17-20.
243. Skemer, A., Apai, D., Bailey, V., Biller, B., Bonnefoy, M., Brandner, W., Buenzli, E., Close, L., Crepp, J., Defrere, D. et al.: LEECH: A 100 Night Exoplanet Imaging Survey at the LBT. Exploring the Formation and Evolution of Planetary Systems, Proceedings of the IAU Symposium, Vol. 299 (2014), 70-71.
244. Menu, J., van Boekel, R., Henning, Th., Benisty, M., Chandler, C.J., Linz, H., Waelkens, C., Andrews, S.M., Calvet, N., Carpenter, J.M., Corder, S.A., Deller, A.T., Dullemond, C.P., Greaves, J.S., Harris, R.J., Isella, A., Kwon, W., Lazio, J., Mundy, L.G., Pérez, L.M., Ricci, L., Sargent, A.I., Storm, S., Testi, L., Wilner, D.J.: TW Hydrae: Multi-wavelength Interferometry of a Transition Disk. Exploring the Formation and Evolution of Planetary Systems, Proceedings of the IAU Symposium, Vol. 299 (2014), 104-108.
245. Linz, H., Follert, R., Boley, P.A., van Boekel, R., Stecklum, B., Leinert, C., Henning, Th.: MIDI Interferometry of Massive YSOs: Updates on the MPIA Program ASP Conf. Ser. 487 (2014), 331-336.
246. Klein, R., Looney, L., Henning, Th., Chakrabarti, S., Shenoy, S.: The Spectral Energy Distribution of the Earliest Phases of Massive Star Formation from the Spitzer and Herschel Archives. IAUGA 22 (2015), 2251224
247. Pokhrel, R., Gutermuth, R., Ali, B., Megeath, T., Pipher, J., Myers, P., Fischer, W., Henning, Th., Wolk, S., Allen, L., Tobin, J.: A Herschel-SPIRE Survey of the MonR2 Giant Molecular Cloud IAUGA 22 (2015), 2251748.
248. Bihr, S., Beuther, H., Johnston, K., Henning, Th., Ott, J., Brunthaler, A.: THOR Collaboration THOR - The HI, OH, Recombination Line Survey of the Milky Way - HI Observations of the Giant Molecular Cloud W43 IAUGA 22 (2015), 2252656.
249. Teague, R., Semenov, D., Flock, M., Henning, Th.: Detectability of MRI Turbulence in Protoplanetary Disks IAUGA 22 (2015), 2256970.

250. Wu, S., Bik, A., Henning, Th., Pasquali, A., Brandner, W., Stolte, A.: Uncovering the Monster Stars in W49: the most Luminous Star-forming Region in the Milky Way IAUGA 22 (2015), 2257090.
251. Schlieder, J. E., Herbst, T. M., Bonnefoy, M., Deacon, N. R., Radhakrishnan, K., Lepine, S., Rice, E. L., Bergfors, C., Henning, Th., Gaidos, E., Kraus, A.: The CASTOFFS Survey: High Resolution Optical Spectroscopy of Bright Targets, 18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, Proceedings of the conference held at Lowell Observatory, 8-14 June, 2014. Edited by G. van Belle and H.C. Harris., pp.919-928 (2015)
252. Manjavacas, E., Goldman, B., Alcalá, J. M., Zapatero-Osorio, M. R., Béjar, B. J. S., Homeier, D., Bonnefoy, M., Smart, R. L., Henning, Th., Allard, F.: Hunting for Brown Dwarf Binaries with X-Shooter Highlights of Spanish Astrophysics VIII, Proceedings of the XI Scientific Meeting of the Spanish Astronomical Society held on September 8-12, 2014, in Teruel, Spain, ISBN 978-84-606-8760-3. A. J. Cernarro, F. Figueras, C. Hernández-Monteagudo, J. Trujillo Bueno, and L. Valdivielso (eds.), p. 500-505 (2015)
253. Brandl, B., Quanz, S., Feldt, M., Glasse, A., Guedel, M., Meyer, M., Pantin, E., Waelkens, C., Pontoppidan, K., van Dishoeck, E., Absil, O., van Boekel, R., Ratzka, T., Henning, Th.: E-ELT EAS, 75-76 (2015), 405-410.
254. Csengeri, T., Bontemps, S., Wyrowski, F., Menten, K. M., Leurini, S., Urquhart, J. S., Motte, F., Schuller, F., Testi, L., Bronfman, L., Beuther, H., Longmore, S., Commerçon, B., Henning, Th., Palau, A., Tan, J. C., Fuller, G., Peretto, N., Duarte-Cabral, A., Traficante, A.: The first Galaxy Scale Hunt for the Youngest High-mass Protostars EAS 75 (2016), 255-258.
255. Vidali, G., Linnartz, H., Henning, Th.: Division B Commission 14 Working Group: Solids and Their Surfaces. Transactions of the IAU, Volume 29A, pp. 153-158 (2016)
256. Matter, A., Lopez, B., Antonelli, P., Lehmitz, M., Bettonvil, F., Beckmann, U., Lagarde, S., Jaffe, W., Petrov, R. G., Berio, P., Millour, F., Robbe-Dubois, S., Glindemann, A., Bristow, P., Schoeller, M., Lanz, T., Henning, Th., Weigelt, G., Heininger, M., Morel, S., Cruzalebes, P., Meisenheimer, K., Hofferbert, R., Wolf, S., Bresson, Y., Agocs, T., Allouche, F., Augereau, J.-C., Avila, G., Bailet, C., Behrend, J., Van Belle, G., Berger, J.-P., van Boekel, R., Bourget, P., Brast, R., Clausse, J.-M., Connot, C., Conzelmann, R., Csepány, G., Danchi, W. C., Delbo, M., Dominik, C., van Duin, A., Elswijk, E., Fantei, Y., Finger, G., Gabasch, A., Gonté, F., Graser, U., Guitton, F., Guniat, S., De Haan, M., Haguenauer, P., Hanenburg, H., Hofmann, K.-H., Hogerheijde, M., ter Horst, R., Hron, J., Hummel, C., Isderda, J., Ives, D., Jakob, G., Jasko, A., Jolley, P., Kiraly, S., Kragt, J., Kroener, T., Kroes, G., Kuindersma, S., Labadie, L., Laun, W., Leinert, C., Lizon, J.-L., Lucuix, C., Marcotto, A., Martinache, F., Martinot-Lagarde, G., Mauclet, N., Mehrgan, L., Meilland, A., Mellein, M., Menardi, S., Merand, A., Neumann, U., Nussbaum, E., Ottogalli, S., Palsa, R., Panduro, J., Pantin, E., Percheron, I., Phan Duc, T.,

- Pott, J.-U., Pozna, E., Roelfsema, R., Rupprecht, G., Schertl, D., Schmidt, C., Schuil, M., Spang, A., Stegmeier, J., Tromp, N., Vakili, F., Vannier, M., Wagner, K., Venema, L., Woillez, J.: An Overview of the Mid-Infrared Spectro-Interferometer MATISSE: Science, Concept, and Current Status. *Proceedings of the SPIE*, 9907 (2016), 99070A.
257. Wolf, S., Lopez, B., Augereau, J.-C., Delbo, M., Dominik, C., Henning, Th., Hofmann, K.-H., Hogerheijde, M., Hron, J., Jaffe, W., Lanz, T., Meisenheimer, K., Millour, F., Pantin, E., Petrov, R., Schertl, D., van Boekel, R., Weigelt, G., Chiavassa, A., Juhasz, A., Matter, A., Meilland, A., Nardetto, N., Paladini, C.: Science with MATISSE. *Proceedings of the SPIE*, 9907 (2016), 99073S.
258. Quirrenbach, A., Amado, P. J., Caballero, J. A., Mundt, R., Reiners, A., Ribas, I., Seifert, W., Abril, M., Aceituno, J., Alonso-Floriano, F. J., Anwand-Heerwart, H., Azzaro, M., Bauer, F., Barrado, D., Becerril, S., Bejar, V. J. S., Benitez, D., Berdinas, Z. M., Brinkmöller, M., Cardenas, M. C., Casal, E., Claret, A., Colomé, J., Cortes-Contreras, M., Czesla, S., Doellinger, M., Dreizler, S., Feiz, C., Fernandez, M., Ferro, I. M., Fuhrmeister, B., Galadi, D., Gallardo, I., Gálvez-Ortiz, M. C., Garcia-Piquer, A., Garrido, R., Gesa, L., Gómez Galera, V., González Hernández, J. I., Gonzalez Peinado, R., Grözing, U., Guàrdia, J., Guenther, E. W., de Guindos, E., Hagen, H.-J., Hatzes, A. P., Hauschildt, P. H., Helmmling, J., Henning, Th., Hermann, D., Hernández Arabi, R., Hernández Castaño, L., Hernández Hernando, F., Herrero, E., Huber, A., Huber, K. F., Huke, P., Jeffers, S. V., de Juan, E., Kaminski, A., Kehr, M., Kim, M., Klein, R., Klüter, J., Kürster, M., Lafarga, M., Lara, L. M., Lamert, A., Laun, W., Launhardt, R., Lemke, U., Lenzen, R., Llamas, M., Lopez del Fresno, M., López-Puertas, M., López-Santiago, J., Lopez Salas, J. F., Magan Madinabeitia, H., Mall, U., Mandel, H., Mancini, L., Marin Molina, J. A., Maroto Fernández, D., Martín, E. L., Martín-Ruiz, S., Marvin, C., Mathar, R. J., Mirabet, E., Montes, D., Morales, J. C., Morales Muñoz, R., Nagel, E., Naranjo, V., Nowak, G., Pallé, E., Panduro, J., Passegger, V. M., Pavlov, A., Pedraz, S., Perez, E., Pérez-Medialdea, D., Perger, M., Pluto, M., Ramón, A., Rebolo, R., Redondo, P., Reffert, S., Reinhart, S., Rhode, P., Rix, H.-W., Rodler, F., Rodríguez, E., Rodríguez López, C., Rohloff, R. R., Rosich, A., Sanchez Carrasco, M. A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L. F., Schäfer, S., Schiller, J., Schmidt, C., Schmitt, J. H. M. M., Schöfer, P., Schweitzer, A., Shulyak, D., Solano, E., Stahl, O., Storz, C., Tabernero, H. M., Tala, M., Tal-Or, L., Ulbrich, R.-G., Veredas, G., Vico Linares, J. I., Vilardell, F., Wagner, K., Winkler, J., Zapatero Osorio, M.-R., Zechmeister, M., Ammler-von Eiff, M., Anglada-Escudé, G., del Burgo, C., Garcia-Vargas, M. L., Klutsch, A., Lizon, J.-L., Lopez-Morales, M., Ofir, A., Pérez-Calpena, A., Perryman, M. A. C., Sánchez-Blanco, E., Strachan, J. B. P., Stürmer, J., Suárez, J. C., Trifonov, T., Tulloch, S. M., Xu, W.: CARMENES: An Overview Six Months after First Light. *SPIE* 9908 (2016), 990812.
259. Sanchez-Bermudez, J., Pott, J.-U., van Boekel, R., Henning, Th., Baron, F., Matter, A., Lopez, B., Millour, F., Weigelt, G., Hofmann, K.-H., Schertl, D.: Imaging Capabilities of the VLTI/MATISSE Spectro-Interferometric Instrument. *SPIE* 9907

(2016), 99070.

260. Klein, R., Cooper, J., Looney, L., Henning, Th., Chakrabarti, S., Shenoy, S.: The Spectral Energy Distribution of the Earliest Phases of Massive Star Formation. IAUS 316 (2017), 151.
261. Bihr, S., Beuther, H., Linz, H., Ragan, S. E., Tackenberg, J., Smith, R. J., Henning, Th., Krause, O.: Kinematic and Thermal Structure at the Onset of High-mass Star Formation - ISOSS23053. IAUS 316 (2017), 125.
262. Gutierrez, G., Hilbig, D., Fleischmann, F., Henning, Th.: Component-level Test of Molded Freeform Optics for LED Beam Shaping Using Experimental Ray Tracing SPIE1. 10329 (2017), 1032930.
263. Binkele, T., Hilbig, D., Fleischmann, F., Henning, Th.: Calibration of the Incident Beam in a Reflective Topography Measurement from an Unknown Surface SPIE1. 10329 (2017), 103291S.
264. Goldman, B., Schilbach, E., Röser, S., Schöfer, P., Derekas, A., Moor, A., Brandner, W., Henning, Th.: What we Learn from TGAS about the Moving Groups of the Solar Neighbourhood. IAUS 330 (2018), 214.
265. Henning, Th., Jäger, C., Rouillé, G., Fulvio, D., Krasnokutski, S. A.: Dust Formation at Cryogenic Temperatures. IAUS 332 (2018), 312.
266. Bertram, T., Absil, O., Bizenberger, P., Brandner, W., Briegel, F., Cantalloube, F., Carlomagno, B., Cárdenas Vázquez, M. C., Feldt, M., Glauser, A. M., Henning, Th., Hippler, S., Huber, A., Hurtado, N., Kenworthy, M. A., Kulas, M., Mohr, L., Naranjo, V., Neureuther, P., Obereder, A., Rohloff, R.-R., Scheithauer, S., Shatokhina, I., Stuik, R., van Boekel, R.: Single Conjugate Adaptive Optics for METIS SPIE1 10703. Proceedings of the SPIE, 10703 (2018), 1070314.
267. Quirrenbach, A., Amado, P. J., Ribas, I., Reiners, A., Caballero, J. A., Seifert, W., Aceituno, J., Azzaro, M., Baroch, D., Barrado, D., Bauer, F., Becerril, S., Bèjar, V. J. S., Benítez, D., Brinkmöller, M., Cardona Guillén, C., Cifuentes, C., Colomé, J., Cortés-Contreras, M., Czesla, S., Dreizler, S., Frölich, K., Fuhrmeister, B., Galadí-Enríquez, D., González Hernández, J. I., González Peinado, R., Guenther, E. W., de Guindos, E., Hagen, H.-J., Hatzes, A. P., Hauschildt, P. H., Helmling, J., Henning, Th., Herbort, O., Hernández Castaño, L., Herrero, E., Hintz, D., Jeffers, S. V., Johnson, E. N., de Juan, E., Kaminski, A., Klahr, H., Kürster, M., Lafarga, M., Sairam, L., Lampón, M., Lara, L. M., Launhardt, R., López del Fresno, M., López-Puertas, M., Luque, R., Mandel, H., Marfil, E. G., Martín, E. L., Martín-Ruiz, S., Mathar, R. J., Montes, D., Morales, J. C., Nagel, E., Nortmann, L., Nowak, G., Pallé, E., Passegger, V.-M., Pavlov, A., Pedraz, S., Pérez-Medialdea, D., Perger, M., Rebolo, R., Reffert, S., Rodríguez, E., Rodríguez López, C., Rosich, A., Sabotta, S., Sadegi, S., Salz, M., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Schäfer, S., Schiller, J., Schmitt, J. H. M. M., Schöfer, P., Schweitzer, A., Shulyak, D., Solano, E., Stahl, O., Tala Pinto, M., Trifonov, T., Zapatero Osorio, M. R., Yan, F., Zechmeister, M., Abellán, F. J., Abril, M., Alonso-Floriano, F. J., Ammler-von Eiff,

- M., Anglada-Escudé, G., Anwand-Heerwart, H., Arroyo-Torres, B., Berdiñas, Z. M., Bergondy, G., Blümcke, M., del Burgo, C., Cano, J., Carro, J., Cárdenas, M. C., Casal, E., Claret, A., Díez-Alonso, E., Doellinger, M., Dorda, R., Feiz, C., Fernández, M., Ferro, I. M., Gaisné, G., Gallardo, I., Gálvez-Ortiz, M. C., García-Piquer, A., García-Vargas, M. L., Garrido, R., Gesa, L., Gómez Galera, V., González-Álvarez, E., González-Cuesta, L., Grohnert, S., Grözinger, U., Guàrdia, J., Guijarro, A., Hedrosa, R. P., Hermann, D., Hermelo, I., Hernández Arabí, R., Hernández Hernández, F., Hidalgo, D., Holgado, G., Huber, A., Huber, K., Huke, P., Kehr, M., Kim, M., Klein, R., Klüter, J., Klutsch, A., Labarga, F., Labiche, N., Lamert, A., Laun, W., Lázaro, F. J., Lemke, U., Lenzen, R., Llamas, M., Lizon, J.-L., Lodieu, N., López González, M. J., López-Morales, M., López Salas, J. F., López-Santiago, J., Magán Madinabeitia, H., Mall, U., Mancini, L., Marín Molina, J. A., Martínez-Rodríguez, H., Maroto Fernández, D., Marvin, C. J., Mirabet, E., Moreno-Raya, M. E., Moya, A., Mundt, R., Naranjo, V., Panduro, J., Pascual, J., Pérez-Calpena, A., Perryman, M. A. C., Pluto, M., Ramón, A., Redondo, P., Reinhart, S., Rhode, P., Rix, H.-W., Rodler, F., Rohloff, R.-R., Sánchez-Blanco, E., Sánchez Carrasco, M. A., Sarmiento, L. F., Schmidt, C., Storz, C., Strachan, J. B. P., Stürmer, J., Suárez, J. C., Tabernero, H. M., Tal-Or, L., Tulloch, S. M., Ulbrich, R.-G., Veredas, G., Vico Linares, J. L., Vidal-Dasilva, M., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Xu, W., Zhao, Z.: CARMENES: High-resolution Spectra and Precise Radial Velocities in the Red and Infrared. *SPIE1 10702* (2018), 107020W.
268. Lopez, B., Lagarde, S., Matter, A., Agocs, T., Allouche, F., Antonelli, P., Augereau, J.-C., Bailet, C., Berio, P., Bettonvil, F., Beckmann, U., van Boekel, R., Bresson, Y., Bristow, P., Cruzalebes, P., Delbo, M., Dominik, C., Elswijk, E., Fantei, Y., Glindemann, A., Heininger, M., Hofmann, K.-H., Hogerheijde, M., Hron, J., Jaffe, W., Kroes, G., Laun, W., Lehmitz, M., Meilland, A., Meisenheimer, K., Millour, F., Morel, S., Neumann, U., Pantin, E., Petrov, R. G., Robbe-Dubois, S., Schertl, D., Schoeller, M., Wolf, S., Zins, G., Henning, Th., Stee, P., Weigelt, G.: The Installation and Ongoing Commissioning of the MATISSE Mid-infrared Interferometer at the ESO Very Large Telescope Observatory. *SPIE1 10701* (2018), 107010Z.
269. Robbe-Dubois, S., Lagarde, S., Antonelli, P., Lopez, B., Allouche, F., Bailet, C., Berio, P., Bresson, Y., Clausse, J.-M., Cruzalèbes, P., Fantei-Caujolle, Y., Marcotto, A., Matter, A., Meilland, A., Millour, F., Morel, S., Petrov, R. G., Rousseau, S., Soulain, A., Zins, G., Lehmitz, M., Laun, W., Adler, T., Klein, R., Maurer, T., Bettonvil, F., Eldswick, E., Beckmann, U., Heininger, M., Bristow, P., Glindemann, A., Hubin, N., Jochum, L., Rivinus, T., Schoeller, M., Beltran, J., Bourget, P., Gallenne, A., Guerlet, T., Haubois, X., Ives, D., Jakob, G., Meister, A., Riquelme, M., Schuhler, N., Stephan, C., Toledo, P., Tristram, K., Woillez, J., Neumann, U., Chelli, A., Guitton, F., Meisenheimer, K., Pichon, B., Spang, A., Varga, J., Henning, Th., Jaffe, W., Pasquini, L., Stee, P., Weigelt, G.: MATISSE: Performance in Laboratory, Results of AIV in Paranal, and First Results on Sky. *SPIE1 10701* (2018), 107010H.
270. Abuter, R., Amorim, A., Anugu, N., Bauböck, M., Benisty, M., Berger, J. P., Blind, N., Bonnet, H., Brandner, W., Buron, A., Collin, C., Chapron, F., Clénet, Y.,

- Coudé du Foresto, V., de Zeeuw, P. T., Deen, C., Delplancke-Ströbele, F., Dembet, R., Dexter, J., Duvert, G., Eckart, A., Eisenhauer, F., Finger, G., Förster Schreiber, N. M., Fédou, P., Garcia, P., Garcia Lopez, R., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Gordo, P., Habibi, M., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Horrobin, M., Hubert, Z., Hubin, N., Jimenez Rosales, A., Jochum, L., Jocou, L., Kaufer, A., Kellner, S., Kendrew, S., Kervella, P., Kok, Y., Kulas, M., Lacour, S., Lapeyrère, V., Lazareff, V., Le Bouquin, J.-B., Léna, P., Lippa, M., Lenzen, R., Mérand, A., Müller, E., Neumann, U., Ott, T., Palanca, L., Paumard, T., Pasquini, L., Perraut, K., Perrin, G., Pfuhl, O., Plewa, P. M., Rabien, S., Ramírez, A., Ramos, J., Rau, C., Rodríguez-Coira, G., Rohloff, R. R., Rousset, G., Sanchez-Bermudez, J., Scheithauer, S., Schöller, M., Schuler, N., Spyromilio, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Wank, I., Waisberg, I., Widmann, F., Wieprecht, F., Wiest, M., Wiezorrek, E., Woillez, J., Yazici, S., Ziegler, S., Zins, G.: GRAVITY - Reaching out to SgrA* with VLTI. Highlights on Spanish Astrophysics X, Proceedings of the XIII Scientific Meeting of the Spanish Astronomical Society held on July 16-20, 2018, in Salamanca, Spain (2019) 609-610.
271. Molyarova, T., Akimkin, V., Semenov, D., Ábrahám, P., Henning, Th., Kóspál, Á, Vorobyov, E., Wiebe, D.: Chemical Modeling of FU Ori Protoplanetary Disks. IAU Symposium (2020) 367.
272. Zhukovska, S., Henning, Th., Dobbs, C.: Iron Dust Growth in the Galactic Interstellar Medium: Clues from Element Depletions. IAU Symposium (2020) 393.
273. Lacour, S., Wang, J. J., Nowak, M., Pueyo, L., Eisenhauer, F., Lagrange, A.-M., Mollière, P., Abuter, R., Amorin, A., Asensio-Torres, R., Bauböck, M., Benisty, M., Berger, J. P., Beust, H., Blunt, S., Boccaletti, A., Bohn, A., Bonnefoy, M., Bonnet, H., Brandner, W., Cantalloube, F., Caselli, P., Charnay, B., Chauvin, G., Choquet, E., Christiaens, V., Clénet, Y., Cridland, A., de Zeeuw, P. T., Dembet, R., Dexter, J., Drescher, A., Duvert, G., Gao, F., Garcia, P., Garcia Lopez, R., Gardner, T., Gendron, E., Genzel, R., Gillessen, S., Girard, J. H., Haubois, X., Heißel, G., Henning, Th., Hinkley, S., Hippler, S., Horrobin, M., Houllé, M., Hubert, Z., Jiménez-Rosales, A., Jocou, L., Kammerer, J., Keppler, M., Kervella, P., Kreidberg, L., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Maire, A.-L., Mérand, A., Monnier, J. D., Mouillet, D., Muller, A., Nasedkin, E., Ott, T., Otten, G. P. P. L., Paladini, C., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rameau, J., Rodet, L., Rodríguez-Coira, G., Rousset, G., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Stolker, T., van Dishoeck, E. F., Vigan, A., Vincent, F., von Fellenberg, S. D., Ward-Duong, K., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J.: The ExoGRAVITY Project: Using Single Mode Interferometry to Characterize Exoplanets. SPIE 11446 (2020) 114460O.
274. Klarmann, L., Benisty, M., Brandner, W., van Boekel, R., Henning, Th.: Star and Planet Formation with the New Generation VLTI and CHARA Beam Combiners. SPIE 11446 (2020) 114460P.

275. Quirrenbach, A., CARMENES Consortium, Amado, P. J., Ribas, I., Reiners, A., Caballero, J. A., Aceituno, J., Alacid, J. M., Alonso-Floriano, F. J., Anglada-Escudé, G., Azzaro, M., Baroch, D., Bauer, F. F., Becerril, S., Béjar, V. J. S., Bluhm, P., Calvo Ortega, R., Cardona Guillén, C., Casasayas-Barris, N., Chaturvedi, P., Cifuentes, C., Colomé, J., Conte, D., Cortés-Contreras, M., Czesla, S., Díez-Alonso, E., Domínguez Fernández, A. J., Dreizler, S., Duque-Arribas, C., Espinoza, N., Fuhrmeister, B., Galadí-Enríquez, D., Garcéa Quintana, E., González-Alvare, E., González Cuesta, Z. L., González Hernández, J. I., Guenther, E. W., de Guindos, E., Hatzes, A. P., Henning, Th., Herbort, O., Herrero, E., Hintz, D., Iglesias-Párra, J., Jeffers, S. V., Johnson, E. N., de Juan, E., Kaminski, A., Kemmer, J., Khaimova, J., Khalafinejad, S., Klahr, H., Kossakowski, D., Kreidberg, L., Kürster, M., Labarga, F., Lafarga, M., Lampón, M., Lara, L. M., Lillo-Box, J., Lodieu, N., López Gallifa, A., López González, M. J., López-Puertas, M., Luque, R., Marfil, E., Martín-Ruiz, S., Matthe, C., Molaverdikhani, K., Montes, D., Morales, J. C., Morales-Calderón, M., Nagel, E., Nortmann, L., Nowak, G., Ofir, A., Oshaghi, M., Pallé, E., Passegger, V. M., Pavlov, A., Pedraz, S., Perdelwitz, V., Perger, M., Reffert, S., Revilla, D., Rodríguez, E., Rodríguez López, C., Sabotta, S., Sadegi, S., Sairam, L., Salz, M., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Schäfer, S., Schiller, J., Schlecker, M., Schmitt, J. H. M. M., Schöfer, P., Schweitzer, A., Seiferta, W., Shan, Y., Shulyak, D., Skrzypinski, S. L., Solano, E., Soto, M. G., Stahl, O., Stangret, M., Stock, S. A., Strachan, J. B. P., Stuber, T., Stürmer, J., Tabernero, H. M., Tal-Or, L., Tala-Pinto, M., Trifonov, T., Vanaverbeke, S., Yan, F., Zapatero Osorio, M. R., Zechmeister, M.: The CARMENES M-Dwarf Planet Survey. *SPIE* 11447 (2020) 114473C.
276. Cantalloube, F., Gomez-Gonzalez, C., Absil, O., Cantero, C., Bacher, R., Bonse, M. J., Bottom, M., Dahlqvist, C.-H., Desgrange, C., Flasseur, O., Fuhrmann, T., Henning, Th., Jensen-Clem, R., Kenworthy, M., Mawet, D., Mesa, D., Meshkat, T., Mouillet, D., Mueller, A., Nasedkin, E., Pairet, B., Pierard, S., Ruffio, J.-B., Samland, M., Stone, J., Van Droogenbroeck, M.: Exoplanet Imaging Data Challenge: Benchmarking the Various Image Processing Methods for Exoplanet Detection. *SPIE*, 11448 (2020), 114485A.
277. Passegger, V. M., Bello-García, A., Ordieres-Meré, J., Caballero, J. A., Schweitzer, A., Amado, P. J., González-Marcos, A., Ribas, I., Reiners, A., Quirrenbach, A., Sarro, L. M., Solano, E., Azzaro, M., Bauer, F. F., Béjar, V. J. S., Cortés-Contreras, M., Dreizler, S., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Lafarga, M., Marfil, E., Montes, D., Morales, J. C., Nagel, E., Tabernero, H. M., Zechmeister, M.: A Deep Learning Approach to Photospheric Parameters of CARMENES Target Stars. Presented at the 20.5th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun (CS20.5), virtually anywhere, March 2-4, *csss.confE* (2021), 312P.
278. Barnes, R., Barth, P., Wilhelm, C., Graham, D. E., Garcia, R., Amaral, L., Luger, R., Deitrick, R., Driscoll, P., Fleming, D., Smotherman, H., Quinn, T. R., Carone, L., Segura, A., Gupta, P., Meadows, V. S., Mollière, P., Noack, L., Livesey, J., Guez, I., Henning, Th.: Interdisciplinary Modeling of Planetary Habitability. *Bulletin of*

the American Astronomical Society, 53 (2021), 1204.

- 279. Mollière, P., Molyarova, T., Bitsch, B., Eistrup, C., Burn, R., Nasedkin, E., Henning, Th., Semenov, D., Mordasini, C., Kreidberg, L., Schlecker, M., Lacour, S., Nowak, M.: From Atmospheric to Exoplanet Formation Retrievals. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021, EPSC2021-801.
- 280. Lafarga, M., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Caballero, J. A., Azzaro, M., Béjar, V. J. S., Cortés-Contreras, M., Dreizler, S., Hatzes, A. P., Henning, Th., Jeffers, S. V., Kaminski, A., Kürster, M., Montes, D., Morales, J. C., Oshagh, M., Rodríguez-López, C., Schöfer, P., Schweitzer, A., Zechmeister, M.: Mapping Magnetic Activity Indicators across the M-Dwarf Domain. The Star-Planet Connection, Online Workshop, October 25-28, 2021, 7.
- 281. Schlecker, M., Burn, R., Sabotta, S., Seifert, A., Henning, Th., Emsenhuber, A., Mordasini, C., Reffert, S., Shan, Y. T., Klahr, H.: Giant Planets around Low-mass Stars: A Challenge for Core Accretion Theory. The Star-Planet Connection, Online Workshop, October 25-28, 2021, 32.
- 282. Bizenberger, P., Baumeister, H., Barriere, J.-C., Bertram, T., Böhm, A., Brandl, B., Cárdenas Vázquez, M. C., Chamorro, E., Feldt, M., Glauser, A. M., Henning, Th., Laun, W., Lesman, D., Mohr, L., Raskin, G., Rohloff, R.-R., Scheithauer, S., Serra, B., Stepien, P., Stuik, R., Todd, S., van Boekel, R.: METIS: Final Design of the Imager Sub-System. SPIE 12184 (2022) 121843K.
- 283. Farinato, J., Baruffolo, A., Bergomi, M., Bianco, A., Biondi, F., Briegel, F., Carolo, E., Carlotti, A., Chavan, S., Chinellato, S., De Pascale, M., Dima, M., D’Orazi, V., Ertel, S., Greggio, D., Henning, Th., Laudisio, F., Lessio, L., Magrin, D., Marafatto, L., Mesa, D., Mohr, L., Montoya, M., Radhakrishnan, K., Ricci, D., Umbriaco, G., Vassallo, D., Viotto, V., Zanutta, A., Antonucci, S., Arcidiacono, C., Bacciotti, F., Baudoz, P., Bongiorno, A., Close, L., Di Filippo, S., Don, K., Esposito, S., Grenz, P., Guyon, O., Leisenring, J. M., Pedichini, F., Piazzesi, R., Pinna, E., Portaluri, E., Puglisi, A., Ragazzoni, R., Rossi, F.: SHARK-NIR, Ready to "Swim" in the LBT Northern Hemisphere "Ocean". SPIE 12185 (2022) 1218522F.
- 284. Gonzalez, E., Goldman, B., Rosa Zapatero-Orsorio, M., Sanchez-Bejar, V., Henning, Th., Pitann, J.: Studying Brown Dwarf Dust Cloud Distribution through Polarisation. The 21st Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun (CS21), Toulouse, France, 4-8 July, 2022.
- 285. Rebollido, I., Ribas, Á., de Gregorio-Monsalvo, I., Villaver, E., Montesinos, B., Chen, C., Canovas, H., Henning, Th., Moór, A., Perrin, M. D., Rivière-Marichalar, P., Eiroa, C.: The Search for Gas in Debris Disks: ALMA Detection of CO Gas in HD 36546. Highlights of Spanish Astrophysics XI, Proceedings of the XV Scientific Meeting of the Spanish Astronomical Society, La Laguna, Spain, 4-9 September, 2022.

286. Gieser, C., Beuther, H., Semenov, D., Ahmadi, A., Henning, Th., Wells, M. R. A.: Evolutionary Trends of Physical Properties of Protostellar Cores in High-mass Star-forming Regions Revealed by ALMA. ALMA at 10 years: Past, Present, and Future (alma2023), Puerto Varas, Chile, 4-8 December, 2023, 65.
287. González, E., Goldman, B., Zapatero Osorio, M. R., Sánchez Bejar, V. J., Henning, Th., Pitann, J.: Studying Brown Dwarf Dust Cloud Distribution through Polarisation. SF2A-2023: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics (2023), 453-455.
288. Perotti, G., Christiaens, V., Henning, Th., Kamp, I.: The Multi JWST Views on the PDS 70 Planet-forming Disk: Results from MIRI, NIRCам and NIRSpect EAS-2024: European Astronomical Society Annual Meeting, Padova, Italy, 1-5 July, 2024, Session S11, Contributed Talk, 1589.
289. Kanwar, J., Kamp, I., van Dishoeck, E. F. Henning, Th.: Deciphering the Chemical Complexity of Planet-Forming Disks around Very Low-Mass Stars with JWST: Insights from the MINDS Survey. EAS-2024: European Astronomical Society Annual Meeting, Padova, Italy, 1-5 July, 2024, Session S11, Contributed Talk, 2327.
290. Varga, J., Lopez, B., Matter, A., van Boekel, R., Hogerheijde, M., Waters, L. B. F. M., Abello, M., Augereau, J.-C., Boley, P., Danchi, W. C., Dominik, C., Henning, Th., Hofmann, K.-H., Houllé, M., Jaffe, W., Kobus, J., Kokoulina, E., Martin, J., Meil-land, A., Millour, F., Pantin, E., Priole, P., Schertl, D., Scheuck, M., Scigliuto, J., van Haastere, L., Weigelt, G., Wolf, S., Kecskeméthy, V., Nadella, D., Ábrahám, P., Chen, L., Cruz-Sáenz de Miera, F., Juhász, T., Kóspál, Á., Lykou, F., Moór, A., Per-raut, K.: The Inner Region of Planet Forming Disks from the VLTI/MATISSE GTO YSO Survey. EAS-2024: European Astronomical Society Annual Meeting, Padova, Italy, 1-5 July, 2024, Session S14, Contributed Talk, 1930.
291. Arabhavi, A. M., Jang, H., Kamp, I., van Dishoeck, E. F., Henning, Th.: Probing the Terrestrial Planet-forming Ingredients with JWST. EAS-2024: European Astronom-ical Society Annual Meeting, Padova, Italy, 1-5 July, 2024, Session S14, Contributed Talk, 2254.
292. Scheuck, M. B., Lopez, B., Hogerheijde, M., van Boekel, R., Varga, J., van Haastere, L., Matter, A., Waters, R., Weigelt, G., Augereau, J.-C., Pantin, E., Millour, F., Jaffe, W., Boley, P., Dominik, C., Wolf, S., Henning, Th., Danchi, W. C., Kobus, J., Priole, P., Martin, J.: The Inner Region of Planet-forming Disks from the VLTI/MATISSE GTO YSO Survey. EAS-2024: European Astronomical Society Annual Meeting, Padova, Italy, 1-5 July, 2024, Session SS20, Contributed Talk, 1353.
293. Christiaens, V., Samland, M., Henning, Th., Portilla Revelo, B., Perotti, G., Matthews, E., Absil, O., Decin, L., Kamp, I., Boccaletti, A., Tabone, B., Marleau, G.-D., van Dishoeck, E. F., Güdel, M., Lagage, P.-O., Barrado, D., Caratti o Garatti, A., Glauser, A. M., Olofsson, G., Ray, T. P., Scheithauer, S., Vandenbussche, B., Wa-ters, L. B. F. M., Arabhavi, A. M., Grant, S. L., Jang, H., Kanwar, J., Schreiber, J., Schwarz, K., Temmink, M., Östlin, G.: JWST/NIRCам Imaging of PDS 70 -

A Spiral Accretion Stream Feeding PDS 70 c. EAS-2024: European Astronomical Society Annual Meeting, Padova, Italy, 1-5 July, 2024, Session SS25, Contributed Talk, 1385.

294. Cárdenas Vázquez, M. C., Bizenberger, P., Baumeister, H., Bertram, T., Feldt, M., Henning, Th., Laun, W., Mohr, L., Rohloff, R.-R., Scheithauer, S., van Boekel, R., Damm, C., Hilpert, E., Peschel, T., Rätze, T., Schmucker, E.: The METIS Imager: Final Opto-mechanics Design and Manufacturing. *Proceedings of the SPIE*, 13096 (2024), 1309653.
295. Barbato, D., Farinato, J., Baruffolo, A., Bergomi, M., Bianco, A., Biondi, F., Briegel, F., Carolo, E., Cerpelloni, P., Carlotti, A., Chinellato, S., Conrad, A., De Pascale, M., Di Filippo, S., Dima, M., D’Orazi, V., Ertel, S., Gomes Machado, T. S., Greggio, D., Guerra, J. C., Henning, Th., Hom, J., Hill, J. M., Laudisio, F., Lessio, L., Lorenzetto, A., Magrin, D., Marafatto, L., Mesa, D., Miller, D., Mohr, L., Montoya, M., Power, J., Radhakrishnan, K., Ricci, D., Umbriaco, G., Vassallo, D., Viotto, V., Taylor, G., Zanutta, A., Anche, R. M., Antonucci, S., Arcidiacono, C., Bacciotti, F., Baudoz, P., Bongiorno, A., Close, L., Esposito, S., Grenz, P., Guyon, O., Leisenring, J. M., Pedichini, F., Piazzesi, R., Pinna, E., Portaluri, E., Puglisi, A., Ragazzoni, R., Rodeghiero, G., Rossi, F., Shields, J. V., Vega Pallauta, M.: SHARK-NIR Commissioning and Early Science Runs. *Proceedings of the SPIE*, 13096 (2024), 130961W.
296. Stürmer, J., Buchhave, L. A., Jessen, N. C., Pedersen, S. M., Seifahrt, A., Letchev, S., Jones, D., Gers, L., Brahm, R., Jordan, A., Henning, Th., Kreidberg, L., Quirrenbach, A., Reiners, A.: Development and Design of Second Earth Initiative Spectrograph (2ES). *Proceedings of the SPIE*, 13096 (2024), 130968E.
297. Meixner, M., Burgarella, D., Ciesla, L., Sauvage, M., Jellema, W., Baselmans, J., Glenn, J., Bradford, C., Dowell, C., Pope, A., Armus, L., Battersby, C., Bolatto, A., Hensley, B., Kataria, T., Mills, E., Moullet, A., Pontoppidan, K., Smith, J.-D., Somerville, R., Gruppioni, C., Krause, O., Henning, Th., Di Giorgio, A., Staguhn, J.: PRIMA: PRIMAgger, a Hyperspectral and Polarimetric Instrument. 245th Meeting of the American Astronomical Society, *Bulletin of the American Astronomical Society* 57 (2025) 209.05.
298. Oliveros-Gómez, N., Manjavacas, E., Karalidi, T., Biller, B., McCarthy, A., Suarez, G., Chen, X., Crossfield, I., Crouzet, N., Dupuy, T., Faherty, J., Henning, Th., Kataria, T., Limbach, M. A., Liu, P., Mace, G., Mollière, P., Morley, C., Sutcliffe, B., Vos, J., Tremblin, P., Whiteford, N., Tan, X., Zhou, Y.: Slicing the Atmosphere of WISE 1049AB. 245th Meeting of the American Astronomical Society, *Bulletin of the American Astronomical Society* 57 (2025) 319.03.

Editor of Conference Proceedings and Books

1. Henning, Th., Stecklum, B.: The Role of Dust in Dense Regions of Interstellar Matter, Proceedings of the Jena Workshop, D. Reidel Publ. Co., Dordrecht (1986), 266 pages.
2. Gürtler, J., Henning, Th.: Physics and Properties of Interstellar Matter Related to the Formation and Evolution of Stars (Proceed. of the Conf. with the same name), Special issue 4/5 of Astron. Nachr. 310 (1989). 253-348.
3. Henning, Th.: Astromineralogy. Lecture Notes in Physics. Springer-Verlag, Berlin u.a. (2003), 281 pages.
4. Garcia, P.J.V., Glindemann, A., Henning, Th., Malbet, F.: The Very Large Telescope Interferometer. Challenges for the Future. Kluwer, Dordrecht (2003), 309 pages.
5. Fridlund, M., Henning, Th.: Towards Other Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets. ESA SP-539 (2003), 684 pages.
6. Afonso, C., Weldrake, D., Henning, Th.: Transiting Extrasolar Planets. Workshop. Heidelberg. ASP Conference Series 366 (2007), 342 pages.
7. Beuther, H., Linz, H., Henning, Th.: Massive Star Formation: Observations Confront Theory. Heidelberg. ASP Conference Series 387 (2008), 470 pages.
8. Henning, Th., Grün, E., Steinacker, J.: Cosmic Dust - Near and Far. Heidelberg. ASP Conference Series 414 (2009), 543 pages.
9. Henning, Th.: Astromineralogy. Second Revised and Extended Edition. Springer-Verlag. Berlin u.a. (2010), 329 pages.
10. Beuther, H., Klessen R.S., Dullemond, C.P., Henning, Th.: Protostars and Planets VI. University of Arizona Press, Tucson (2014), 914 pages.
11. Lemke, D., Henning, Th.: Astronomische Streifzüge durch Heidelberg. Von kleinen Planeten zur zweiten Erde, Heidelberg (2021), 96 pages.
12. Lemke, D., Henning, Th.: Heidelberg - City of Astronomy. From Small Planets to the Second Earth, Heidelberg (2022), 96 pages.

Papers in non-refereed journals

1. Henning, Th.: Die Natur der Becklin-Neugebauer-Objekte, *Sterne* 59 (1983), 336-343.
2. Henning, Th., Gürtler, J.: Moleküle im interstellaren Raum,
I. Struktur und physikalische Eigenschaften der Molekülwolken, *Sterne* 61 (1985), 3-10.
II. Chemische Prozesse im interstellaren Medium, *Sterne* 61 (1985), 138-155.
III. Sternentstehung in galaktischen Molekülwolken, *Sterne* 61 (1985), 195-208.
3. Henning, Th.: Some Remarks on Infrared Spectroscopy of Astronomically Interesting Silicates, *Acta Universitatis Carolinae – Mathematica et Physica* 27 (1986), 63-68.
4. Henning, Th.: Einige Eigenschaften zirkumstellarer Hüllen, *Astronomie in der Schule* 23 (1986) 5, 100-102.
5. Henning, Th., Stecklum, B.: Dynamische Bedingungen in Molekülwolken, *Sterne und Weltraum* 11 (1987), 624-628.
6. Henning, Th., Klose, S.: Staub und Sterne: Zur Beziehung zwischen kleinen Partikeln und selbstleuchtender Gaskugeln, *Sterne* 64 (1988), 90-103.
7. Henning, Th., Solc, M.: Auf dem Zufallsweg durch eine Staubhülle, *Sterne und Weltraum* 28 (1989), 368-372.
8. Henning, Th.: Riesenmolekülwolken – Geburtsorte massereicher Sterne, *Ahnert-Sternkalender* (1989), 148-161.
9. Henning, Th., Kroll, P.: Fraktale in der Astronomie, *Sterne* 66 (1990), 323-334.
10. Dorschner, J., Henning, Th., Blum, J.: Laboratoriumsastronomie in der MPG-Arbeitsgruppe "Staub in Sternentstehungsgebieten" an der Universität Jena, *MPG-Spiegel* 5 (1994), 14-17.
11. Henning, Th., Sablotny, R.: Kleiner Staub – ganz groß. Zur aktiven Rolle kosmischer Staubteilchen in Sternentstehungsgebieten, *Sterne und Weltraum* (1995), 180-185.
12. Henning, Th.: Nano- und Mikroteilchen im interstellaren Raum, *Sterne* 72 (1996), 345-354.
13. Henning, Th., Kley, W.: Planetenentstehung in Akkretionsscheiben, *Phys. Blätter* 10 (1999), 47-50.
14. Henning, Th.: Solids in Space. The Chemistry of Interstellar Dust, *Science Spectra* 23 (2000), 56-63.
15. Feldt, M., Henning, Th., Stecklum, B.: Massereiche Sterne. Entstehung und Frühphasen. *Sterne und Weltraum* 11 (2000), 951-955.

16. Henning, Th.: Die Geschichte der Sternentstehung - Ein Blick ins kalte Universum. In: Müller-Krumbhaar, H., Wagner, H.-F. (eds): ... und er würfelt doch! Wiley-VCH. Berlin. 2001, 60-69.
17. Henning, Th., Launhardt, R.: Blick ins Herz der Schöpfung. SuW-Spezial 3/2003, 59-73.
18. Bailer-Jones, C., Brandner, W., Henning, Th.: Braune Zwerge. Entstehung, Scheiben, Doppelsysteme und Atmosphären. Sterne und Weltraum 4 (2006), 34-42.
19. Henning, Th., Feldt, M., Linz, H., Puga, E., Stecklum, B.: The Formation and Early Evolution of Massive Stars. Reports from Observers. The Messenger 123 (2006), 24-28.
20. Wolf, S., Henning, Th., Launhardt, R.: Von der Bildung von Sternen bis zu extra-solaren Planeten. SuW-Spezial 1/2006, 63-75.
21. Launhardt, R., Henning, Th.: Vom Dunkel zum Licht. Physik in unserer Zeit 1 (2009), 12-18.
22. Klahr, H., Henning, Th.: Aus Staub geboren. Physik in unserer Zeit 1 (2009), 20-27.
23. Klahr, H., Henning, Th.: Aufregende neue Planetenwelten. Sterne und Weltraum 6 (2009), 32-41.
24. Hippler, S., Bergfors, B., Brandner, W., Daemgen, S., Henning, Th., Hormuth, F., Huber, A., Janson, M., Rochau, B., Rohloff, R.-R., Wagner, K.: The AstraLux Sur Lucky Imaging Instrument at the NTT. The Messenger 137 (2009), 14-17.
25. Beuther, H., Henning, Th.: Schwere Geburt. Physik Journal 8,3, (2009), 22-23.
26. Henning, Th.: From Disks to Planets - The Large Facilities. C. Warden (ed.): Science with 8-10m Telescope in the Era of ELTs and the JWST. Centro de Estudios Ramon Areces, Madrid (2010), 110-123.
27. Henning, Th.: Das Large Binocular Telescope - Eine grosse Himmelsmaschine. In: J. Staude, (ed.): Galileis erster Blick durchs Fernrohr und die Folgen heute. Studium Generale der Universität Heidelberg. Universitätsverlag Winter, Heidelberg (2010), 113-128.
28. Schuller, F., Beuther, H., Bontemps, S., Bronfman, L., Carlhoff, P., Cesaroni, R., Contreras, Y., Scengari, T., Deharveng, L., Garay, G., Henning, Th., Herpin, F. et al.: The APEX Telescope Large Area Survey of the Galaxy. The Messenger 141 (2010), 20-23.
29. Eisenhauer, F., Perrin, G., Brandner, W., Straubmeier, C., Perraut, K., Amorim, A., Schöller, M., Gillessen, S., Kervella, P., Benisty, M. et al.: GRAVITY: Observing the Universe in Motion. The Messenger 143 (2011), 16-24.
30. Kasper, M., Beuzit, J.-L., Feldt, M., Dohlen, K., Mouillet, D., Puget, P., Wildi, F., Abe, L., Baruffolo, A., Baudoz, P. et al.: Gearing up the SPHERE. The Messenger 149 (2012), 17-21.

31. Henning, Th.: Aus Staub Geboren. *Spektrum der Wissenschaft* 6 (2013), 42-52.
32. Henning, Th.: Die letzten 25 Jahre - Ein Goldenes Zeitalter der beobachtenden Astronomie. In: *Die Astronomische Gesellschaft 1863 - 2013*, Lemke, D. (Ed.): Astronomische Gesellschaft Heidelberg (2013), 171-185.
33. Schuller, F., Urquhart, J., Bronfman, L., Csengeri, T., Bontemps, S., Duarte-Cabral, A., Giannetti, A., Ginsburg, A., Henning, Th., Immer, K., Leurini, S., Mattern, M., Menten, K., Molinari, S., Muller, E., Sánchez-Monge, A., Schisano, E., Suri, S., Testi, L., Wang, K., Wyrowski, F., Zavagno, A. From ATLASGAL to SEDIGISM: Towards a Complete 3D View of the Dense Galactic Interstellar Medium. *The Messenger* 165 (2016), 27-33.
34. Garufi, A., Benisty, M., Stolker, T., Avenhaus, H., de Boer, J. ., Pohl, A., Quanz, S. P., Dominik, C., Ginski, C., Thalmann, C., van Boekel, R., Boccaletti, A., Henning, Th., Janson, M., Salter, G., Schmid, H. M., Sissa, E., Langlois, M., Beuzit, J.-L., Chauvin, G., Mouillet, D., Augereau, J.-C., Bazzon, A., Biller, B., Bonnefoy, M., Buenzli, E., Cheetham, A., Daemgen, S., Desidera, S., Engler, N., Feldt, M., Girard, J., Gratton, R., Hagelberg, J., Keller, C., Keppler, M., Kenworthy, M., Kral, Q., Lopez, B., Maire, A.-L., Menard, F., Mesa, D., Messina, S., Meyer, M. R., Milli, J., Min, M., Muller, A., Olofsson, J., Pawellek, N., Pinte, C., Szulagyi, J., Vigan, A., Wahh, Z., Waters, R., Zurlo, A. Three Years of SPHERE: The Latest View of the Morphology and Evolution of Protoplanetary Discs. *The Messenger* 169 (2017), 32.
35. Henning, Th., Pohl, A.: Planetenbildung in Scheiben aus Gas und Staub. Löcher, Ringe und Spiralen. *Physik in unserer Zeit*. 49 (2018), 274.
36. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Hagenauer, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocou, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarman, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P.,

Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: Spatially Resolving the Quasar Broad Emission Line Region. *The Messenger* 178 (2019), 20.

37. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtcher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Hagenauer, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocu, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarmann, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot,

- P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: An Image of the Dust Sublimation Region in the Nucleus of NGC 1068. *The Messenger* 178 (2019), 24.
38. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Hagenauer, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocu, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarman, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: GRAVITY and the Galactic Centre. *The Messenger* 178 (2019), 26.
39. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C.,

Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Haguenauer, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocou, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarman, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shangguan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: Spatially Resolved Accretion-Ejection in Compact Binaries with GRAVITY. *The Messenger* 178 (2019), 29.

40. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Haguenauer, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen,

A., Jimenez Rosales, A., Jochum, L., Jocou, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarman, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wierzorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: Images at the Highest Angular Resolution with GRAVITY: The Case of η Carinae. *The Messenger* 178 (2019), 31.

41. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Haguenaue, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocou, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarman, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A.,

Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: Multiple Star Systems in the Orion Nebula. *The Messenger* 178 (2019), 36.

42. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Haguenauer, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönl, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocou, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarman, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: Probing the Discs of Herbig Ae/Be Stars at Terrestrial Orbits. *The Messenger* 178 (2019), 38.

43. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó, C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Haguenaue, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocu, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarman, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: Spatially Resolving the Inner Gaseous Disc of the Herbig Star 51 Oph through its CO Ro-vibration Emission. *The Messenger* 178 (2019), 40.
44. GRAVITY Collaboration, Abuter, R., Accardo, M., Adler, T., Amorim, A., Anugu, N., Ávila, G., Bauböck, M., Benisty, M., Berger, J.-P., Bestenlehner, J. M., Beust, H., Blind, N., Bonnefoy, M., Bonnet, H., Bourget, P., Bouvier, J., Brandner, W., Brast, R., Buron, A., Burtscher, L., Cantalloube, F., Caratti o Garatti, A., Caselli, P., Cassaing, F., Chapron, F., Charnay, B., Choquet, É., Clénet, Y., Collin, C., Coudé Du Foresto, V., Davies, R., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., de Wit, W.-J., Dexter, J., de Zeeuw, T., Dougados, C., Dubus, G., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Eupen, F., Fédou, P., Ferreira, M. C., Finger, G., Förster Schreiber, N. M., Gao, F., García Dabó,

C. E., Garcia Lopez, R., Garcia, P. J. V., Gendron, É., Genzel, R., Gerhard, O., Gil, J. P., Gillessen, S., Gonté, F., Gordo, P., Gratadour, D., Greenbaum, A., Grellmann, R., Grözinger, U., Guajardo, P., Guieu, S., Habibi, M., Haguenauer, P., Hans, O., Haubois, X., Haug, M., Haußmann, F., Henning, Th., Hippler, S., Hönig, S. F., Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Janssen, A., Jimenez Rosales, A., Jochum, L., Jocou, L., Kammerer, J., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kervella, P., Kiekebusch, M., Kishimoto, M., Klarmann, L., Klein, R., Köhler, R., Kok, Y., Kolb, J., Koutoulaki, M., Kulas, M., Labadie, L., Lacour, S., Lagrange, A.-M., Lapeyrère, V., Laun, W., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lin, C.-C., Lippa, M., Lutz, D., Magnard, Y., Maire, A.-L., Mehrgan, L., Mérand, A., Millour, F., Mollière, P., Moulin, T., Müller, A., Müller, E., Müller, F., Netzer, H., Neumann, U., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Perrin, G., Peterson, B. M., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Phan Duc, T., Pineda, J. E., Plewa, P. M., Popovic, D., Pott, J.-U., Prieto, A., Pueyo, L., Rabien, S., Ramírez, A., Ramos, J. R., Rau, C., Ray, T., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rouan, D., Rousset, G., Sanchez-Bermudez, J., Schartmann, M., Scheithauer, S., Schöller, M., Schuhler, N., Segura-Cox, D., Shang-guan, J., Shimizu, T. T., Spyromilio, J., Sternberg, A., Stock, M. R., Straub, O., Straubmeier, C., Sturm, E., Suárez Valles, M., Tacconi, L. J., Thi, W.-F., Tristram, K. R. W., Valenzuela, J. J., van Boekel, R., van Dishoeck, E. F., Vermot, P., Vincent, F., von Fellenberg, S., Waisberg, I., Wang, J. J., Wank, I., Weber, J., Weigelt, G., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yang, P., Yazici, S., Ziegler, D., Zins, G.: Hunting Exoplanets with Single-Mode Optical Interferometry. *The Messenger* 178 (2019), 47.

45. Maire, A.-L., Chauvin, G., Vigan, A., Gratton, R., Langlois, M., Girard, J. H., Kenworthy, M. A., Pott, J.-U., Henning, Th., Kervella, P., Lacour, S., Rickman, E. L., Boccaletti, A., Delorme, P., Meyer, M. R., Nowak, M., Quanz, S. P., Zurlo, A.: High-Precision Astrometric Studies in Direct Imaging with SPHERE. *The Messenger* 183 (2021), 7-12.
46. GRAVITY+ Collaboration, Abuter, R., Alarcon, P., Allouche, F., Amorim, A., Bailet, C., Bedigan, H., Berdeu, A., Berger, J.-P., Berio, P., Bigioli, A., Blaho, R., Boebion, O., Bolzer, M.-L., Bonnet, H., Bourdarot, G., Bourget, P., Brandner, W., Cardenas, C., Conzelmann, R., Comin, M., Clénet, Y., Courtney-Barrer, B., Dallilar, Y., Davies, R., Defrère, D., Delboulbé, A., Delplancke-Ströbele, F., Dembet, R., de Zeeuw, T., Drescher, A., Eckart, A., Édouard, C., Eisenhauer, F., Fabricius, M., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Fuenteseca, E., Garcia, E., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gil, J. P., Gillessen, S., Gomes, T., Gonté, F., Gouvret, C., Guajardo, P., Guidolin, I., Guieu, S., Guzmán, R., Hackenberg, W., Haddad, N., Hartl, M., Haubois, X., Haußmann, F., Heißel, G., Henning, Th., Hippler, S., Hönig, S., Horrobin, M., Hubin, N., Jacqmart, E., Jocou, L., Kaufer, A., Kervella, P., Kirchbauer, J.-P., Kolb, J., Korhonen, H., Kreidberg, L., Krempel, P., Lacour, S., Lagarde, S., Lai, O., Lapeyrère, V., Laugier, R., Le Bouquin, J.-B., Leftley, J., Léna, P., Lewis, S., Lutz, D., Magnard, Y., Mang, F.,

- Marcotto, A., Maurel, D., Mérand, A., Millour, F., More, N., Nowacki, H., Nowak, M., Oberti, S., Olivares, F., Ott, T., Pallanca, L., Paumard, T., Perraut, K., Perrin, G., Petrov, R., Pfuhl, O., Pourré, N., Rabien, S., Rau, C., Riquelme, M., Robbe-Dubois, S., Rochat, S., Salman, M., Scherbarth, M., Schöller, M., Schubert, J., Schuhler, N., Shangguan, J., Shchekaturov, P., Shimizu, T., Scheithauer, S., Sevin, A., Soenke, C., Soulez, F., Spang, A., Stadler, E., Straubmeier, C., Sturm, E., Sykes, C., Tacconi, L., Tischer, H., Tristram, K., Vincent, F., von Fellenberg, S., Uysal, S., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, Ş., Zins, G.: The GRAVITY+ Project: Towards All-Sky, Faint-Science, High-Contrast Near-infrared Interferometry at the VLTI. *The Messenger* 189 (2022), 17-22.
47. Henning, Th.: Das James Webb Space Telescope. Eine persönliche Annäherung. *Sterne und Weltraum* 3 (2022), 32-37.
48. Henning, Th.: Was ist für mich der Westen. *Kursbuch* 211, 154, 2022.
49. GRAVITY+ Collaboration, Abuter, R., Allouche, F., Amorim, A., Bailet, C., Berger, J.-P., Berio, P., Bigioli, A., Boebion, O., Böttcher, R., Bolzer, M.-L., Bonnet, H., Bourdarot, G., Bourget, P., Brandner, W., Brara, A., Clénet, Y., Courtney-Barrer, B., Davies, R., Defrère, D., Delboulbé, A., Delplancke, F., Dembet, R., Dong, S., Drescher, A., Eckart, A., Édouard, C., Eisenhauer, F., Fabricius, M., Feuchtgruber, H., Finger, G., Förster Schreiber, N., Frahm, R., Garcia, E., Garcia, P., Gendron, E., Genzel, R., Gil, J. P., Gillessen, S., Gomes, T., Gonté, F., Gopinath, V., Graf, J., Guajardo, P., Guieu, S., Häberle, M., Hartl, M., Haubois, X., Haußmann, F., Henning, Th., Hönig, S., Horrobin, M., Hubin, N., Jochum, L., Jocu, L., Kaufer, A., Kervella, P., Kreidberg, L., Lacour, S., Lagarde, S., Lai, O., Lapeyrère, V., Laugier, R., Le Bouquin, J.-B., Leftley, J., Léna, P., Lutz, D., Mang, F., Mérand, A., Millour, F., More, N., Mroz, P., Nowacki, H., Nowak, M., Neumayer, N., Oberti, S., Ott, T., Özdemir, H., Pallanca, L., Paumard, T., Perraut, K., Perrin, G., Petrov, R., Pfuhl, O., Pourré, N., Prowatke, H., Rabien, S., Rau, C., Rehm, C., Riquelme, M., Robbe, S., Rochat, S., Salman, M., Sauter, J., Schubert, J., Schuhler, N., Shangguan, J., Shimizu, T., Scheithauer, S., Schuppe, D., Soulez, F., Stadler, E., Straubmeier, C., Sturm, E., Subroweit, M., Sykes, C., Tacconi, L. J., Tristram, K., Vincent, F., Uysal, S., Wessely, P., Widmann, F., Wieprecht, E., Wiezorrek, E., Wimmer, L., Woillez, J., Yazici, S., Zins, G.: The GRAVITY+ Project: GRAVITY-Wide and the Beam Compressor Differential Delay Lines. *The Messenger* 193 (2024), 37-43.