

[◀ Übersicht / Summary](#)

Planeten- und Sternentstehung/ Planet and Star Formation (2013)

Refereed Papers:

Adamo, A., G. Östlin, N. Bastian, E. Zackrisson, R. C. Livermore and L. Guaita: High-resolution study of the cluster complexes in a lensed spiral at redshift 1.5: constraints on the bulge formation and disk evolution. *The Astrophysical Journal* **766**, id. 105 (2013)

Adibekyan, V. Z., P. Figueira, N. C. Santos, A. Mortier, C. Mordasini, E. Delgado Mena, S. G. Sousa, A. C. M. Correia, G. Israelian and M. Oshagh: Orbital and physical properties of planets and their hosts: new insights on planet formation and evolution. *Astronomy and Astrophysics* **560**, id.A51 (8 pp) (2013)

Akeson, R. L., X. Chen, D. Ciardi, M. Crane, J. Good, M. Harbut, E. Jackson, S. R. Kane, A. C. Laity, S. Leifer, M. Lynn, D. L. McElroy, M. Papin, P. Plavchan, S. V. Ramírez, R. Rey, K. von Braun, M. Wittman, M. Abajian, B. Ali, C. Beichman, A. Beekley, G. B. Beriman, S. Berukoff, G. Bryden, B. Chan, S. Groom, C. Lau, A. N. Payne, M. Regelson, M. Saucedo, M. Schmitz, J. Stauffer, P. Wyatt and A. Zhang: The NASA Exoplanet Archive: Data and Tools for Exoplanet Research. *Publications of the Astronomical Society of the Pacific* **125**, 989-999 (2013)

Akimkin, V., S. Zhukovska, D. Wiebe, D. Semenov, Y. Pavlyuchenkov, A. Vasyunin, T. Birnstiel and T. Henning: Protoplanetary disk structure with grain evolution: The ANDES model. *The Astrophysical Journal* **766**, id. 8 (24 pp) (2013)

Albertsson, T., D. A. Semenov, A. I. Vasyunin, T. Henning and E. Herbst: New extended deuterium fractionation model: assessment at dense ISM conditions and sensitivity analysis. *The Astrophysical Journal Supplement Series* **207**, id. 27 (29 pp) (2013)

Albrecht, S., J. Setiawan, G. Torres, D. C. Fabrycky and J. N. Winn: The BANANA project. IV. Two aligned stellar rotation axes in the young eccentric binary system EP Crucis: primordial orientation and tidal alignment. *The Astrophysical Journal* **767**, id. 32 (9 pp) (2013)

Alibert, Y., F. Carron, A. Fortier, S. Pfyyffer, W. Benz, C. Mordasini and D. Swoboda: Theoretical models of planetary system formation: mass vs. semi-major axis. *Astronomy and Astrophysics* **558**, id.A109 (13 pp) (2013)

Andersen, M., J. Steinacker, W.-F. Thi, L. Pagani, A. Bacmann and R. Paladini: Scattering from dust in molecular clouds: Constraining the dust grain size distribution through near-infrared cloudshine and infrared coreshine. *Astronomy and Astrophysics* **559**, id. A60 (5 pp) (2013)

Arellano Ferro, A., D. M. Bramich, R. Figuera Jaimes, S. Giridhar, N. Kains, K. Kuppuswamy, U. G. Jørgensen, K. A. Alsubai, J. M. Andersen, V. Bozza, P. Browne, S. Calchi Novati, Y. Damerdji, C. Diehl, M. Dominik, S. Dreizler, A. Elyiv, E. Giannini, K. Harpsøe, F. V. Hessman, T. C. Hinse, M. Hundertmark, D. Juncker, E. Kerins, H. Korhonen, C. Liebig, L. Mancini, M. Mathiasen, M. T. Penny, M. Rabus, S. Rahvar, D. Ricci, G. Scarpetta, J. Skottfelt, C. Snodgrass, J. Southworth, J. Surdej, J. Tregloan-Reed, C. Vilela, O. Wertz and M. Consortium: A detailed census of variable stars in the globular cluster NGC 6333 (M9) from CCD differential photometry. *Monthly Notices of the Royal Astronomical Society* **434**, 1220-1238 (2013)

Bakos, G. Á., Z. Csubry, K. Penev, D. Bayliss, A. Jordán, C. Afonso, J. D. Hartman, T. Henning, G. Kovács, R. W. Noyes, B. Béky, V. Suc, B. Csák, M. Rabus, J. Lázár, I. Papp, P. Sári, P. Conroy, G. Zhou, P. D. Sackett, B. Schmidt, L. Mancini, D. D. Sasselov and K. Ueltzhoeffer: HATSouth: a global network of fully automated identical wide-field telescopes. *Publications of the Astronomical Society of the Pacific* **125**, 154-182 (2013)

Barlow, M. J., B. M. Swinyard, P. J. Owen, J. Cernicharo, H. L. Gomez, R. J. Ivison, O. Krause, T. L. Lim, M. Matsuura, S. Miller, G. Olofsson and E. T. Polehampton: Detection of a noble gas molecular ion, $^{36}\text{ArH}^+$, in the Crab Nebula. *Science* **342**, 1343-1345 (2013)

Bayliss, D., G. Zhou, K. Penev, G. Á. Bakos, J. D. Hartman, A. Jordán, L. Mancini, M. Mohler-Fischer, V. Suc, M. Rabus, B. Béky, Z. Csubry, L. Buchhave, T. Henning, N. Nikolov, B. Csák, R. Brahm, N. Espinoza, R. W. Noyes, B. Schmidt, P. Conroy, D. J. Wright, C. G. Tinney, B. C. Addison, P. D. Sackett, D. D. Sasselov, J. Lázár, I. Papp and P. Sári: HATS-3b: an inflated Hot Jupiter Transiting an F-type star. *The Astronomical Journal* **146**, id. 113 (11 pp) (2013)

Benisty, M., K. Perraut, D. Mourard, P. Stee, G. H. R. A. Lima, J. B. Le Bouquin, M. Borges Fernandes, O. Chesneau, N. Nardetto, I. Tallon-Bosc, H. McAlister, T. Ten Brummelaar, S. Ridgway, J. Sturmann, L. Sturmann, N. Turner, C. Farrington and P. J. Goldfinger: Enhanced Ha activity at periastron in the young and massive spectroscopic binary HD 200775. *Astronomy and Astrophysics* **555**, id.A113 (10 pp) (2013)

Bergfors, C., W. Brandner, S. Daemgen, B. Biller, S. Hippler, M. Janson, N. Kudryavtseva, K. Geißler, T. Henning and R. Köhler: Stellar companions to exoplanet host stars: Lucky Imaging of transiting planet hosts. *Monthly Notices of the Royal Astronomical Society* **428**, 182-189 (2013)

Bergin, E. A., L. I. Cleeves, U. Gorti, K. Zhang, G. A. Blake, J. D. Green, S. M. Andrews, N. J. Evans, II, T. Henning, K. Öberg, K. Pontoppidan, C. Qi, C. Salyk and E. F. van Dishoeck: An old disk still capable of forming a planetary system. *Nature* **493**, 644-646 (2013)

Best, W. M. J., M. C. Liu, E. A. Magnier, K. M. Aller, N. R. Deacon, T. J. Dupuy, J. Redstone, W. S. Burgett, K. C. Chambers, K. W. Hodapp, N. Kaiser, R.-P. Kudritzki, J. S. Morgan, P. A. Price, J. L. Tonry and R. J. Wainscoat: A search for L/T transition dwarfs with Pan-STARRS1 and WISE: discovery of seven nearby objects including two candidate spectroscopic variables. *The Astrophysical Journal* **777**, id. 84 (13 pp) (2013)

Bétrémieux, Y. and L. Kaltenegger: Transmission spectrum of Earth as a transiting exoplanet from the ultraviolet to the near-infrared. *The Astrophysical Journal Letters* **772**, id. L31 (6 pp) (2013)

Beuther, H., H. Linz and T. Henning: Fragmentation, infall, and outflow around the showcase massive protostar NGC 7538 IRS1 at 500 AU resolution. *Astronomy and Astrophysics* **558**, id.A81 (8 pp) (2013)

Beuther, H., H. Linz, J. Tackenberg, T. Henning, O. Krause, S. Ragan, M. Nielbock, R. Launhardt, S. Bühr, A. Schmiedeke, R. Smith and T. Sakai: Fragmentation and dynamical collapse of the starless high-mass star-forming region IRDC 18310-4. *Astronomy and Astrophysics* **553**, id. A115 (11 pp) (2013)

Biller, B. A., I. J. M. Crossfield, L. Mancini, S. Ciceri, J. Southworth, T. G. Kopytova, M. Bonnefoy, N. R. Deacon, J. E. Schlieder, E. Buenzli, W. Brandner, F. Allard, D. Homeier, B. Freytag, C. A. L. Bailer-Jones, J. Greiner, T. Henning and B. Goldman: Weather on the nearest brown dwarfs: resolved simultaneous multi-wavelength variability monitoring of WISE J104915.57-531906.1AB. *The Astrophysical Journal Letters* **778**, id. L10 (6 pp) (2013)

Blecic, J., J. Harrington, N. Madhusudhan, K. B. Stevenson, R. A. Hardy, P. E. Cubillos, M. Hardin, C. J. Campo, W. C. Bowman, S. Nymeyer, T. J. Loredo, D. R. Anderson and P. F. L. Maxted: Thermal emission of WASP-14b revealed with three Spitzer eclipses. *The Astrophysical Journal* **779**, id. 5 (16 pp) (2013)

Boccaletti, A., A.-M. Lagrange, M. Bonnefoy, R. Galicher and G. Chauvin: Independent confirmation of β Pictoris b imaging with NICI. *Astronomy and Astrophysics* **551**, id.L14 (4 pp) (2013)

Boley, P. A., H. Linz, R. van Boekel, J. Bouwman, T. Henning and A. M. Sobolev: On the massive young stellar object AFGL 4176. High-spatial-resolution multi-wavelength observations and modeling (Corrigendum). *Astronomy and Astrophysics* **557**, id.C1 (1 pp) (2013)

Boley, P. A., H. Linz, R. van Boekel, T. Henning, M. Feldt, L. Kaper, C. Leinert, A. Müller, I. Pascucci, M. Robberto, B. Stecklum, L. B. F. M. Waters and H. Zinnecker: The VLTI/MIDI survey of massive young stellar objects. Sounding the inner regions around intermediate- and high-mass young stars using mid-infrared interferometry. *Astronomy and Astrophysics* **558**,

id.A24 (33 pp) (2013)

Bonnefoy, M., A. Boccaletti, A.-M. Lagrange, F. Allard, C. Mordasini, H. Beust, G. Chauvin, J. H. V. Girard, D. Homeier, D. Apai, S. Lacour and D. Rouan: The near-infrared spectral energy distribution of β Pictoris b. *Astronomy and Astrophysics* **555**, id. A107 (19 pp) (2013)

Borucki, W. J., E. Agol, F. Fressin, L. Kaltenegger, J. Rowe, H. Isaacson, D. Fischer, N. Batalha, J. J. Lissauer, G. W. Marcy, D. Fabrycky, J.-M. Désert, S. T. Bryson, T. Barclay, F. Bastien, A. Boss, E. Brugamyer, L. A. Buchhave, C. Burke, D. A. Caldwell, J. Carter, D. Charbonneau, J. R. Crepp, J. Christensen-Dalsgaard, J. L. Christiansen, D. Ciardi, W. D. Cochran, E. DeVore, L. Doyle, A. K. Dupree, M. Endl, M. E. Everett, E. B. Ford, J. Fortney, T. N. Gautier, J. C. Geary, A. Gould, M. Haas, C. Henze, A. W. Howard, S. B. Howell, D. Huber, J. M. Jenkins, H. Kjeldsen, R. Kobl, J. Kolodziejczak, D. W. Latham, B. L. Lee, E. Lopez, F. Mullally, J. A. Orosz, A. Prsa, E. V. Quintana, R. Sanchis-Ojeda, D. Sasselov, S. Seader, A. Shporer, J. H. Steffen, M. Still, P. Tenenbaum, S. E. Thompson, G. Torres, J. D. Twicken, W. F. Welsh and J. N. Winn: Kepler-62: a five-planet system with planets of 1.4 and 1.6 Earth radii in the habitable zone. *Science* **340**, 587-590 (2013)

Bouy, H., E. Bertin, E. Moraux, J.-C. Cuillandre, J. Bouvier, D. Barrado, E. Solano and A. Bayo: Dynamical analysis of nearby clusters. Automated astrometry from the ground: precision proper motions over a wide field. *Astronomy and Astrophysics* **554**, id. A101 (22 pp) (2013)

Boyajian, T. S., K. von Braun, G. van Belle, C. Farrington, G. Schaefer, J. Jones, R. White, H. A. McAlister, T. A. ten Brummelaar, S. Ridgway, D. Gies, L. Sturmann, J. Sturmann, N. H. Turner, P. J. Goldfinger and N. Vargas: Stellar diameters and temperatures. III. Main-sequence A, F, G, and K stars: additional high-precision measurements and empirical relations. *The Astrophysical Journal* **771**, id. 40 (31 pp) (2013)

Brandt, T. D., M. W. McElwain, E. L. Turner, L. Abe, W. Brandner, J. Carson, S. Egner, M. Feldt, T. Golota, M. Goto, C. A. Grady, O. Guyon, J. Hashimoto, Y. Hayano, M. Hayashi, S. Hayashi, T. Henning, K. W. Hodapp, M. Ishii, M. Iye, M. Janson, R. Kandori, G. R. Knapp, T. Kudo, N. Kusakabe, M. Kuzuhara, J. Kwon, T. Matsuo, S. Miyama, J.-I. Morino, A. Moro-Martin, T. Nishimura, T.-S. Pyo, E. Serabyn, H. Suto, R. Suzuki, M. Takami, N. Takato, H. Terada, C. Thalmann, D. Tomono, M. Watanabe, J. P. Wisniewski, T. Yamada, H. Takami, T. Usuda and M. Tamura: New techniques for high-contrast imaging with ADI: the ACORNS-ADI SEEDS data reduction pipeline. *The Astrophysical Journal* **764**, id. 183 (14 pp) (2013)

Burgasser, A. J., J. K. Faherty, S. Schmidt, A. A. West, M. R. Zapatero Osorio, J. S. Pineda, B. Burningham, C. Nicholls, R. Sanderson, E. Shkolnik, D. Rodriguez, A. Riedel and V. Joergens: The kinematics of very low mass dwarfs: Splinter session summary. *Astronomische Nachrichten* **334**, 93-96 (2013)

Burke, M. J., S. Raychaudhury, R. P. Kraft, T. J. Maccarone, N. J. Brassington, M. J. Hardcastle, J. Kainulainen, K. A. Woodley, J. L. Goodger, G. R. Sivakoff, W. R. Forman, C. Jones, S. S. Murray, M. Birkinshaw, J. H. Croston, D. A. Evans, M. Gilfanov, A. Jordán, C. L. Sarazin, R. Voss, D. M. Worrall and Z. Zhang: Spectral properties of X-ray binaries in Centaurus A. *The Astrophysical Journal* **766**, id. 88 (15 pp) (2013)

Burningham, B., C. V. Cardoso, L. Smith, S. K. Leggett, R. L. Smart, A. W. Mann, S. Dhital, P. W. Lucas, C. G. Tinney, D. J. Pinfield, Z. Zhang, C. Morley, D. Saumon, K. Aller, S. P. Littlefair, D. Homeier, N. Lodieu, N. Deacon, M. S. Marley, L. van Spaandonk, D. Baker, F. Allard, A. H. Andrei, J. Canty, J. Clarke, A. C. Day-Jones, T. Dupuy, J. J. Fortney, J. Gomes, M. Ishii, H. R. A. Jones, M. Liu, A. Magazzú, F. Marocco, D. N. Murray, B. Rojas-Ayala and M. Tamura: 76 T dwarfs from the UKIDSS LAS: benchmarks, kinematics and an updated space density. *Monthly Notices of the Royal Astronomical Society* **433**, 457-497 (2013)

Carlhoff, P., Q. Nguyen Luong, P. Schilke, F. Motte, N. Schneider, H. Beuther, S. Bontemps, F. Heitsch, T. Hill, C. Kramer, V. Ossenkopf, F. Schuller, R. Simon and F. Wyrowski: Large scale IRAM 30 m CO-observations in the giant molecular cloud complex W43. *Astronomy and Astrophysics* **560**, id.A24 (25 pp) (2013)

Carson, J., C. Thalmann, M. Janson, T. Kozakis, M. Bonnefoy, B. Biller, J. Schlieder, T. Currie, M. McElwain, M. Goto, T. Henning, W. Brandner, M. Feldt, R. Kandori, M. Kuzuhara, L. Stevens, P. Wong, K. Gainey, M. Fukagawa, Y. Kuwada, T. Brandt, J. Kwon, L. Abe, S. Egner, C. Grady, O. Guyon, J. Hashimoto, Y. Hayano, M. Hayashi, S. Hayashi, K. Hodapp, M. Ishii, M. Iye, G.

Knapp, T. Kudo, N. Kusakabe, T. Matsuo, S. Miyama, J. Morino, A. Moro-Martin, T. Nishimura, T. Pyo, E. Serabyn, H. Suto, R. Suzuki, M. Takami, N. Takato, H. Terada, D. Tomono, E. Turner, M. Watanabe, J. Wisniewski, T. Yamada, H. Takami, T. Usuda and M. Tamura: Direct imaging discovery of a "Super-Jupiter" around the late B-type star κ And. *The Astrophysical Journal Letters* **763**, id. L32 (6 pp) (2013)

Cerviño, M., C. Román-Zúñiga, A. Bayo, V. Luridiana, N. Sánchez and E. Pérez: Crucial aspects of the initial mass function. II. The inference of total quantities from partial information on a cluster. *Astronomy and Astrophysics* **553**, id.A32 (9 pp) (2013)

Cerviño, M., C. Román-Zúñiga, V. Luridiana, A. Bayo, N. Sánchez and E. Pérez: Crucial aspects of the initial mass function. I. The statistical correlation between the total mass of an ensemble of stars and its most massive star. *Astronomy and Astrophysics* **553**, id.A31 (14 pp) (2013)

Chen, X., H. G. Arce, Q. Zhang, T. L. Bourke, R. Launhardt, J. K. Jørgensen, C.-F. Lee, J. B. Foster, M. M. Dunham, J. E. Pineda and T. Henning: SMA observations of class 0 protostars: A high angular resolution survey of protostellar binary Systems. *The Astrophysical Journal* **768**, id. 110 (31 pp) (2013)

Chira, R.-A., H. Beuther, H. Linz, F. Schuller, C. M. Walmsley, K. M. Menten and L. Bronfman: Characterization of infrared dark clouds. NH₃ observations of an absorption-contrast selected IRDC sample. *Astronomy and Astrophysics* **552**, id.A40 (12 pp) (2013)

Choi, J.-Y., C. Han, A. Udalski, T. Sumi, B. S. Gaudi, A. Gould, D. P. Bennett, M. Dominik, J.-P. Beaulieu, Y. Tsapras, V. Bozza, F. Abe, I. A. Bond, C. S. Botzler, P. Chote, M. Freeman, A. Fukui, K. Furusawa, Y. Itow, C. H. Ling, K. Masuda, Y. Matsubara, N. Miyake, Y. Muraki, K. Ohnishi, N. J. Rattenbury, T. Saito, D. J. Sullivan, K. Suzuki, W. L. Sweatman, D. Suzuki, S. Takino, P. J. Tristram, K. Wada, P. C. M. Yock, T. M. Collaboration, M. K. Szymański, M. Kubiak, G. Pietrzyński, I. Soszyński, J. Skowron, S. Kozłowski, R. Poleski, K. Ulaczyk, Ł. Wyrzykowski, P. Pietrukowicz, T. O. Collaboration, L. A. Almeida, D. L. DePoy, S. Dong, E. Gorbikov, F. Jablonski, C. B. Henderson, K.-H. Hwang, J. Janczak, Y.-K. Jung, S. Kaspi, C.-U. Lee, U. Malamud, D. Maoz, D. McGregor, J. A. Muñoz, B.-G. Park, H. Park, R. W. Pogge, Y. Shvartzvald, I.-G. Shin, J. C. Yee, T. μ. Collaboration, K. A. Alsubai, P. Browne, M. J. Burgdorf, S. Calchi Novati, P. Dodds, X.-S. Fang, F. Finet, M. Glitrup, F. Grundahl, S.-H. Gu, S. Hardis, K. Harpsøe, T. C. Hinse, A. Hornstrup, M. Hundertmark, J. Jessen-Hansen, U. G. Jrgensen, N. Kains, E. Kerins, C. Liebig, M. N. Lund, M. Lundkvist, G. Maier, L. Mancini, M. Mathiasen, M. T. Penny, S. Rahvar, D. Ricci, G. Scarpetta, J. Skottfelt, C. Snodgrass, J. Southworth, J. Surdej, J. Tregloan-Reed, J. Wambsganss, O. Wertz, F. Zimmer, T. MiNDSTEp Consortium, M. D. Albrow, E. Bachelet, V. Batista, S. Brillant, A. Cassan, A. A. Cole, C. Coutures, S. Dieters, D. Dominis Prester, J. Donatowicz, P. Fouqué, J. Greenhill, D. Kubas, J.-B. Marquette, J. W. Menzies, K. C. Sahu, M. Zub, T. P. Collaboration, D. M. Bramich, K. Horne, I. A. Steele, R. A. Street and T. R. Collaboration: Microlensing discovery of a population of very tight, very low mass binary brown dwarfs. *The Astrophysical Journal* **768**, id. 129 (7 pp) (2013)

Ciceri, S., L. Mancini, J. Southworth, N. Nikolov, V. Bozza, I. Bruni, S. Calchi Novati, G. D'Ago and T. Henning: Simultaneous follow-up of planetary transits: revised physical properties for the planetary systems HAT-P-16 and WASP-21. *Astronomy and Astrophysics* **557**, id. A30 (8 pp) (2013)

Cieza, L. A., J. Olofsson, P. M. Harvey, N. J. Evans, II, J. Najita, T. Henning, B. Merin, A. Liebhart, M. Gudel, J.-C. Augereau and C. Pinte: The Herschel DIGIT Survey of weak-line T Tauri stars: implications for disk evolution and dissipation. *The Astrophysical Journal* **762**, id. 100 (20 pp) (2013)

Clark, P. C., S. C. O. Glover, S. E. Ragan, R. Shetty and R. S. Klessen: On the temperature structure of the galactic center cloud G0.253+0.016. *The Astrophysical Journal Letters* **768**, id. L34 (6 pp) (2013)

Contreras, Y., F. Schuller, J. S. Urquhart, T. Csengeri, F. Wyrowski, H. Beuther, S. Bontemps, L. Bronfman, T. Henning, K. M. Menten, P. Schilke, C. M. Walmsley, M. Wielen, J. Tackenberg and H. Linz: ATLASGAL - compact source catalogue: 330° < #953; < 21°. *Astronomy and Astrophysics* **549**, id. A45 (15 pp) (2013)

Correia, S., G. Duchêne, B. Reipurth, H. Zinnecker, S. Daemgen, M. G. Petr-Gotzens, R. Köhler,

T. Ratzka, C. Aspin, Q. M. Konopacky and A. M. Ghez: Stellar and circumstellar properties of visual binaries in the Orion Nebula Cluster. *Astronomy and Astrophysics* **557**, id.A63 (24 pp) (2013)

Covino, E., M. Esposito, M. Barbieri, L. Mancini, V. Nascimbeni, R. Claudi, S. Desidera, R. Gratton, A. F. Lanza, A. Sozzetti, K. Biazzo, L. Affer, D. Gandolfi, U. Munari, I. Pagano, A. S. Bonomo, A. Collier Cameron, G. Hébrard, A. Maggio, S. Messina, G. Micela, E. Molinari, F. Pepe, G. Piotto, I. Ribas, N. C. Santos, J. Southworth, E. Shkolnik, A. H. M. J. Triaud, L. Bedin, S. Benatti, C. Boccato, M. Bonavita, F. Borsa, L. Borsato, D. Brown, E. Carolo, S. Ciceri, R. Cosentino, M. Damasso, F. Faedi, A. F. Martínez Fiorenzano, D. W. Latham, C. Lovis, C. Mordasini, N. Nikolov, E. Poretti, M. Rainer, R. Rebolo López, G. Scandariato, R. Silvotti, R. Smareglia, J. M. Alcalá, A. Cunial, L. Di Fabrizio, M. P. Di Mauro, P. Giacobbe, V. Granata, A. Harutyunyan, C. Knapic, M. Lattanzi, G. Leto, G. Lodato, L. Malavolta, F. Marzari, M. Molinaro, D. Nardiello, M. Pedani, L. Prisinzano and D. Turrini: The GAPS programme with HARPS-N at TNG. I. Observations of the Rossiter-McLaughlin effect and characterisation of the transiting system Qatar-1. *Astronomy and Astrophysics* **554**, , id. A28 (11 pp) (2013)

Crossfield, I. J. M.: On high-contrast characterization of nearby, short-period exoplanets with giant segmented-mirror telescopes. *Astronomy and Astrophysics* **551**, id.A99 (10 pp) (2013)

Crossfield, I. J. M., T. Barman, B. M. S. Hansen and A. W. Howard: Warm ice giant GJ 3470b. I. A flat transmission spectrum indicates a hazy, low-methane, and/or metal-rich atmosphere. *Astronomy and Astrophysics* **559**, id.A33 (18 pp) (2013)

Cubillos, P., J. Harrington, N. Madhusudhan, K. B. Stevenson, R. A. Hardy, J. Blecic, D. R. Anderson, M. Hardin and C. J. Campo: WASP-8b: characterization of a cool and eccentric exoplanet with Spitzer. *The Astrophysical Journal* **768**, id. 42 (12 pp) (2013)

Cyganowski, C. J., J. Koda, E. Rosolowsky, S. Towers, J. Donovan Meyer, F. Egusa, R. Momose and T. P. Robitaille: A water maser and NH₃ survey of GLIMPSE extended green objects. *The Astrophysical Journal* **764**, id. 61 (30 pp) (2013)

Daemgen, S., M. G. Petr-Gotzens, S. Correia, P. S. Teixeira, W. Brandner, W. Kley and H. Zinnecker: Protoplanetary disk evolution and stellar parameters of T Tauri binaries in Chamaeleon I. *Astronomy and Astrophysics* **554**, id.A43 (25 pp) (2013)

Day-Jones, A. C., F. Marocco, D. J. Pinfield, Z. H. Zhang, B. Burningham, N. Deacon, M. T. Ruiz, J. Gallardo, H. R. A. Jones, P. W. L. Lucas, J. S. Jenkins, J. Gomes, S. L. Folkes and J. R. A. Clarke: The sub-stellar birth rate from UKIDSS. *Monthly Notices of the Royal Astronomical Society* **430**, 1171-1187 (2013)

Deacon, N. R., J. E. Schlieder, J. Olofsson, K. G. Johnston and T. Henning: A young hierarchical triple system harbouring a candidate debris disc. *Monthly Notices of the Royal Astronomical Society* **434**, 1117-1128 (2013)

Deen, C. P.: Modification of the MOOG Spectral Synthesis Codes to account for Zeeman broadening of spectral lines. *The Astronomical Journal* **146**, id. 51 (10 pp) (2013)

Delorme, P., J. Gagné, J. H. Girard, A. M. Lagrange, G. Chauvin, M.-E. Naud, D. Lafrenière, R. Doyon, A. Riedel, M. Bonnefoy and L. Malo: Direct-imaging discovery of a 12-14 Jupiter-mass object orbiting a young binary system of very low-mass stars. *Astronomy and Astrophysics* **553**, id.L5 (5 pp) (2013)

Desidera, S., A. Sozzetti, A. S. Bonomo, R. Gratton, E. Poretti, R. Claudi, D. W. Latham, L. Affer, R. Cosentino, M. Damasso, M. Esposito, P. Giacobbe, L. Malavolta, V. Nascimbeni, G. Piotto, M. Rainer, M. Scardia, V. S. Schmid, A. F. Lanza, G. Micela, I. Pagano, L. R. Bedin, K. Biazzo, F. Borsa, E. Carolo, E. Covino, F. Faedi, G. Hébrard, C. Lovis, A. Maggio, L. Mancini, F. Marzari, S. Messina, E. Molinari, U. Munari, F. Pepe, N. Santos, G. Scandariato, E. Shkolnik and J. Southworth: The GAPS programme with HARPS-N at TNG. II. No giant planets around the metal-poor star HIP 11952. *Astronomy and Astrophysics* **554**, d.A29 (5 pp) (2013)

Dib, S., J. Gutkin, W. Brandner and S. Basu: Feedback-regulated star formation - II. Dual constraints on the SFE and the age spread of stars in massive clusters. *Monthly Notices of the Royal Astronomical Society* **436**, 3727-3740 (2013)

Dittrich, K., H. Klahr and A. Johansen: Gravoturbulent planetesimal formation: the positive effect of long-livedzonal flows. *The Astrophysical Journal* **763**, id. 117 (17 pp) (2013)

Dupuy, T. J., P. R. Allen, A. L. Kraus, B. Biller, C. H. Blake, C. Davison, N. R. Deacon, G. Duchêne, A. M. Geller, R. R. King, N. M. Law, D. C. Nguyen, B. Reipurth, J. G. Winters and Z. H. Zhang: Multiplicity of cool dwarfs. *Astronomische Nachrichten* **334**, 36-39 (2013)

Dzyurkevich, N., N. J. Turner, T. Henning and W. Kley: Magnetized accretion and dead zones in protostellar disks. *The Astrophysical Journal* **765**, id. 114 (27 pp) (2013)

Eiroa, C., J. P. Marshall, A. Mora, B. Montesinos, O. Absil, J. C. Augereau, A. Bayo, G. Bryden, W. Danchi, C. del Burgo, S. Ertel, M. Fridlund, A. M. Heras, A. V. Krivov, R. Launhardt, R. Liseau, T. Löhne, J. Maldonado, G. L. Pilbratt, A. Roberge, J. Rodmann, J. Sanz-Forcada, E. Solano, K. Stapelfeldt, P. Thébault, S. Wolf, D. Ardila, M. Arévalo, C. Beichmann, V. Faramaz, B. M. González-García, R. Gutiérrez, J. Lebreton, R. Martínez-Arnáiz, G. Meeus, D. Montes, G. Olofsson, K. Y. L. Su, G. J. White, D. Barrado, M. Fukagawa, E. Grün, I. Kamp, R. Lorente, A. Morbidelli, S. Müller, H. Mutschke, T. Nakagawa, I. Ribas and H. Walker: DUst around NEarby Stars. The survey observational results. *Astronomy and Astrophysics* **555**, id.A11 (30 pp) (2013)

Ellerbroek, L. E., A. Bik, L. Kaper, K. M. Maaskant, M. Paalvast, F. Tramper, H. Sana, L. B. F. M. Waters and Z. Balog: RCW36: characterizing the outcome of massive star formation. *Astronomy and Astrophysics* **558**, id.A102 (18 pp) (2013)

Ercolano, B., A. Bevan and T. Robitaille: The spectral energy distribution of protoplanetary diss around Massive Young Stellar Objects. *Monthly Notices of the Royal Astronomical Society* **428**, 2714-2722 (2013)

Ercolano, B., A. Bevan and T. Robitaille: The spectral energy distribution of protoplanetary discs around massive young stellar objects. *Monthly Notices of the Royal Astronomical Society* **428**, 2714-2722 (2013)

Fang, M., J. S. Kim, R. van Boekel, A. Sicilia-Aguilar, T. Henning and K. Flaherty: Young stellar objects in Lynds 1641: disks, accretion, and star formation history. *The Astrophysical Journal Supplement Series* **207**, id. 5 (39 pp) (2013)

Fang, M., R. van Boekel, J. Bouwman, T. Henning, W. A. Lawson and A. Sicilia-Aguilar: Young stars in e Chamaleontis and their disks: disk evolution in sparse associations. *Astronomy and Astrophysics* **549**, id.A15 (17 pp) (2013)

Fedele, D., S. Bruderer, E. F. van Dishoeck, J. Carr, G. J. Herczeg, C. Salyk, N. J. Evans, J. Bouwman, G. Meeus, T. Henning, J. Green, J. R. Najita and M. Güdel: DIGIT survey of far-infrared lines from protoplanetary disks. I. [O i], [C ii], OH, H₂O, and CH+. *Astronomy and Astrophysics* **559**, id.A77 (22 pp) (2013)

Fedele, D., S. Bruderer, E. F. van Dishoeck, M. R. Hogerheijde, O. Panic, J. M. Brown and T. Henning: Probing the radial temperature structure of protoplanetary disks with Herschel/HIFI. *The Astrophysical Journal Letters* **776**, id. L3 (5 pp) (2013)

Fischer, W. J., S. T. Megeath, A. M. Stutz, J. J. Tobin, B. Ali, T. Stanke, M. Osorio, E. Furlan, H. Team and O. P. Survey: Results from HOPS: A multiwavelength census of Orion protostars. *Astronomische Nachrichten* **334**, 53-56 (2013)

Flaherty, K. M., J. Muzerolle, G. Rieke, R. Gutermuth, Z. Balog, W. Herbst and S. T. Megeath: Kinks and dents in protoplanetary disks: Rapid infrared variability as evidence for large structural perturbations. *The Astronomical Journal* **145**, id. 66 (23 pp) (2013)

Follette, K. B., M. Tamura, J. Hashimoto, B. Whitney, C. Grady, L. Close, S. M. Andrews, J. Kwon, J. Wisniewski, T. D. Brandt, S. Mayama, R. Kandori, R. Dong, L. Abe, W. Brandner, J. Carson, T. Currie, S. E. Egner, M. Feldt, M. Goto, O. Guyon, Y. Hayano, M. Hayashi, S. Hayashi, T. Henning, K. Hodapp, M. Ishii, M. Iye, M. Janson, G. R. Knapp, T. Kudo, N. Kusakabe, M. Kuzuhara, M. W. McElwain, T. Matsuo, S. Miyama, J.-I. Morino, A. Moro-Martin, T. Nishimura, T.-S. Pyo, E. Serabyn, H. Suto, R. Suzuki, M. Takami, N. Takato, H. Terada, C. Thalmann, D. Tomono, E. L. Turner, M. Watanabe, T. Yamada, H. Takami and T. Usuda: Mapping H-band scattered light emission in the mysterious SR21 transitional disk. *The Astrophysical Journal*

767, id. 10 (26 pp) (2013)

Fortier, A., Y. Alibert, F. Carron, W. Benz and K.-M. Dittkrist: Planet formation models: the interplay with the planetesimal disc. *Astronomy and Astrophysics* **549**, id. A44 (19 pp) (2013)

Fortney, J. J., C. Mordasini, N. Nettelmann, E. M.-R. Kempton, T. P. Greene and K. Zahnle: A framework for characterizing the atmospheres of low-mass low-density transiting planets. *The Astrophysical Journal* **775**, id. 80 (3 pp) (2013)

*Furusawa, K., A. Udalski, T. Sumi, D. P. Bennett, I. A. Bond, A. Gould, U. G. Jørgensen, C. Snodgrass, D. Dominis Prester, M. D. Albrow, F. Abe, C. S. Botzler, P. Chote, M. Freeman, A. Fukui, P. Harris, Y. Itow, C. H. Ling, K. Masuda, Y. Matsubara, N. Miyake, Y. Muraki, K. Ohnishi, N. J. Rattenbury, T. Saito, D. J. Sullivan, D. Suzuki, W. L. Sweatman, P. J. Tristram, K. Wada, P. C. M. Yock, T. M. Collaboration, M. K. Szymański, I. Soszyński, M. Kubiak, R. Poleski, K. Ulaczyk, G. Pietrzyński, Ł. Wyrzykowski, T. O. Collaboration, J.-Y. Choi, G. W. Christie, D. L. DePoy, S. Dong, J. Drummond, B. S. Gaudi, C. Han, L.-W. Hung, K.-H. Hwang, C.-U. Lee, J. McCormick, D. Moorhouse, T. Natusch, M. Nola, E. Ofek, R. W. Pogge, I.-G. Shin, J. Skowron, G. Thornley, J. C. Yee, T. μ. Collaboration, K. A. Alsubai, V. Bozza, P. Browne, M. J. Burgdorf, S. Calchi Novati, P. Dodds, M. Dominik, F. Finet, T. Gerner, S. Hardis, K. Harpsøe, T. C. Hinse, M. Hundertmark, N. Kains, E. Kerins, C. Liebig, L. Mancini, M. Mathiasen, M. T. Penny, S. Proft, S. Rahvar, D. Ricci, G. Scarpetta, S. Schäfer, F. Schönebeck, J. Southworth, J. Surdej, J. Wambsganss, T. MiNDSTEp Consortium, R. A. Street, D. M. Bramich, I. A. Steele, Y. Tsapras, T. R. Collaboration, K. Horne, J. Donatowicz, K. C. Sahu, E. Bachelet, V. Batista, T. G. Beatty, J.-P. Beaulieu, C. S. Bennett, C. Black, R. Bowens-Rubin, S. Brillant, J. A. R. Caldwell, A. Cassan, A. A. Cole, E. Corrales, C. Coutures, S. Dieters, P. Fouqué, J. Greenhill, C. B. Henderson, D. Kubas, J.-B. Marquette, R. Martin, J. W. Menzies, B. Shappee, A. Williams, D. Wouters, J. van Saders, R. Zellem, M. Zub and T. P. Collaboration: MOA-2010-BLG-328Lb: a sub-Neptune orbiting very late M dwarf? *The Astrophysical Journal* **779**, id. 91 (12 pp) (2013)*

Gabányi, K. É., L. Mosoni, A. Juhász, P. Ábrahám, T. Ratzka, N. Sipos, R. van Boekel and W. Jaffe: Probing the temporal and spatial variations of dust emission in the protoplanetary disk of DG Tau with VLTI/MIDI: Preliminary results. *Astronomische Nachrichten* **334**, 912-915 (2013)

Gadallah, K. A. K., H. Mutschke and C. Jäger: Analogs of solid nanoparticles as precursors of aromatic hydrocarbons. *Astronomy and Astrophysics* **554**, id. A12 (9 pp) (2013)

Garaud, P., F. Meru, M. Galvagni and C. Olczak: From dust to planetesimals: an improved model for collisional growth in protoplanetary disks. *The Astrophysical Journal* **764**, id. 146 (19 pp) (2013)

Garcia, P. J. V., M. Benisty, C. Dougados, F. Bacciotti, J.-M. Clusse, F. Massi, A. Mérand, R. Petrov and G. Weigelt: Pre-main-sequence binaries with tidally disrupted discs: the BrY in HD 104237. *Monthly Notices of the Royal Astronomical Society* **430**, 1839-1853 (2013)

Garufi, A., S. P. Quanz, H. Avenhaus, E. Buenzli, C. Dominik, F. Meru, M. R. Meyer, P. Pinilla, H. M. Schmid and S. Wolf: Small vs. large dust grains in transitional disks: do different cavity sizes indicate a planet?. SAO 206462 (HD 135344B) in polarized light with VLT/NACO. *Astronomy and Astrophysics* **560**, id.A105 (10 pp) (2013)

Gáspár, A., G. H. Rieke and Z. Balog: The collisional evolution of debris disks. *The Astrophysical Journal* **768**, id. 25 (29 pp) (2013)

Gazak, J. Z., N. Bastian, R.-P. Kudritzki, A. Adamo, B. Davies, B. Plez and M. A. Urbaneja: Age dating stellar populations in the near infrared: an absolute age indicator from the presence/absence of red supergiants. *Monthly Notices of the Royal Astronomical Society* **430**, L35-L39 (2013)

Glauser, A. M., R. van Boekel, O. Krause, T. Henning, B. Benneke, J. Bouwman, P. E. Cubillos, I. J. M. Crossfield, Ö. H. Detre, M. Ebert, U. Grözinger, M. Güdel, J. Harrington, K. Justtanont, U. Klaas, R. Lenzen, N. Madhusudhan, M. R. Meyer, C. Mordasini, F. Müller, R. Ottensamer, J.-Y. Plessner, S. P. Quanz, A. Reiners, E. Renotte, R.-R. Rohloff, S. Scheithauer, H. M. Schmid, J.-R. Schrader, U. Seemann, D. Stam, B. Vandenbussche and U. Wehmeier: Characterizing exoplanets in the visible and infrared: a spectrometer concept for the EChO space Mission. *Journal of Astronomical Instrumentation* **2**, id. 1350004 (2013)

Goldman, B., S. Röser, E. Schilbach, E. A. Magnier, C. Olczak, T. Henning, M. Jurić, E. Schlafly, W. P. Chen, I. Platais, W. Burgett, K. Hodapp, J. Heasley, R. P. Kudritzki, J. S. Morgan, P. A. Price, J. L. Tonry and R. Wainscoat: Towards a complete stellar mass function of the Hyades. I. Pan-STARRS1 optical observations of the low-mass stellar content. *Astronomy and Astrophysics* **559**, id.A43 (18 pp) (2013)

Gould, A., J. C. Yee, I. A. Bond, A. Udalski, C. Han, U. G. Jørgensen, J. Greenhill, Y. Tsapras, M. H. Pinsonneault, T. Bensby, W. Allen, L. A. Almeida, M. Bos, G. W. Christie, D. L. DePoy, S. Dong, B. S. Gaudi, L.-W. Hung, F. Jablonski, C.-U. Lee, J. McCormick, D. Moorhouse, J. A. Muñoz, T. Natusch, M. Nola, R. W. Pogge, J. Skowron, G. Thornley, T. μ. Collaboration, F. Abe, D. P. Bennett, C. S. Botzler, P. Chote, M. Freeman, A. Fukui, K. Furusawa, P. Harris, Y. Itow, C. H. Ling, K. Masuda, Y. Matsubara, N. Miyake, K. Ohnishi, N. J. Rattenbury, T. Saito, D. J. Sullivan, T. Sumi, D. Suzuki, W. L. Sweatman, P. J. Tristram, K. Wada, P. C. M. Yock, T. M. Collaboration, M. K. Szymański, I. Soszyński, M. Kubiak, R. Poleski, K. Ulaczyk, G. Pietrzyński, Ł. Wyrzykowski, T. O. Collaboration, K. A. Alsubai, V. Bozza, P. Browne, M. J. Burgdorf, S. Calchi Novati, P. Dodds, M. Dominik, F. Finet, T. Gerner, S. Hardis, K. Harpsøe, F. V. Hessman, T. C. Hinse, M. Hundertmark, N. Kains, E. Kerins, C. Liebig, L. Mancini, M. Mathiasen, M. T. Penny, S. Proft, S. Rahvar, D. Ricci, K. C. Sahu, G. Scarpetta, S. Schäfer, F. Schönebeck, C. Snodgrass, J. Southworth, J. Surdej, J. Wambsganss, T. MINDSTEp Consortium, R. A. Street, K. Horne, D. M. Bramich, I. A. Steele, T. R. Collaboration, M. D. Albrow, E. Bachelet, V. Batista, T. G. Beatty, J.-P. Beaulieu, C. S. Bennett, R. Bowens-Rubin, S. Brillant, J. A. R. Caldwell, A. Cassan, A. A. Cole, E. Corrales, C. Coutures, S. Dieters, D. Dominis Prester, J. Donatowicz, P. Fouqué, C. B. Henderson, D. Kubas, J.-B. Marquette, R. Martin, J. W. Menzies, B. Shappee, A. Williams, J. van Saders, M. Zub and T. P. Collaboration: MOA-2010-BLG-523: "Failed Planet" = RS CVn star. *The Astrophysical Journal* **763**, id. 141 (11 pp) (2013)

Grady, C. A., T. Muto, J. Hashimoto, M. Fukagawa, T. Currie, B. Biller, C. Thalmann, M. L. Sitko, R. Russell, J. Wisniewski, R. Dong, J. Kwon, S. Sai, J. Hornbeck, G. Schneider, D. Hines, A. Moro-Martin, M. Feldt, T. Henning, J.-U. Pott, M. Bonnefoy, J. Bouwman, S. Lacour, A. Mueller, A. Juhasz, A. Crider, G. Chauvin, S. Andrews, D. Wilner, A. Kraus, S. Dahm, T. Robitaille, H. Jang-Condell, L. Abe, E. Akiyama, W. Brandner, T. Brandt, J. Carson, S. Egner, K. B. Follette, M. Goto, O. Guyon, Y. Hayano, M. Hayashi, S. Hayashi, K. Hodapp, M. Ishii, M. Iye, M. Janson, R. Kandori, G. Knapp, T. Kudo, N. Kusakabe, M. Kuzuhara, S. Mayama, M. McElwain, T. Matsuo, S. Miyama, J.-I. Morino, T. Nishimura, T.-S. Pyo, G. Serabyn, H. Suto, R. Suzuki, M. Takami, N. Takato, H. Terada, D. Tomono, E. Turner, M. Watanabe, T. Yamada, H. Takami, T. Usuda and M. Tamura: Spiral arms in the asymmetrically illuminated disk of MWC 758 and constraints on giant planets. *The Astrophysical Journal* **762**, id. 48 (13 pp) (2013)

Green, J. D., N. J. Evans, II, J. K. Jørgensen, G. J. Herczeg, L. E. Kristensen, J.-E. Lee, O. Dionatos, U. A. Yıldız, C. Salyk, G. Meeus, J. Bouwman, R. Visser, E. A. Bergin, E. F. van Dishoeck, M. R. Rascati, A. Karska, T. A. van Kempen, M. M. Dunham, J. E. Lindberg, D. Fedele and D. Team: Embedded protostars in the dust, ice, and gas in time (DIGIT) Herschel key program: continuum SEDs, and an inventory of characteristic far-infrared lines from PACS spectroscopy. *The Astrophysical Journal* **770**, id. 123 (45 pp) (2013)

Green, J. D., N. J. Evans, II, Á. Kóspál, G. Herczeg, S. P. Quanz, T. Henning, T. A. van Kempen, J.-E. Lee, M. M. Dunham, G. Meeus, J. Bouwman, J.-h. Chen, M. Güdel, S. L. Skinner, A. Liebhart and M. Merello: An analysis of the environments of FU Orionis objects with Herschel. *The Astrophysical Journal* **772**, id. 117 (23 pp) (2013)

Habibi, M., A. Stolte, W. Brandner, B. Hußmann and K. Motohara: The Arches cluster out to its tidal radius: dynamical mass segregation and the effect of the extinction law on the stellar mass function. *Astronomy and Astrophysics* **556**, id.A26 (14 pp) (2013)

Haghīghipour, N. and L. Kaltenegger: Calculating the habitable zone of binary star systems. II. P-type binaries. *The Astrophysical Journal* **777**, id. 166 (13 pp) (2013)

Harpsøe, K. B. W., S. Hardis, T. C. Hinse, U. G. Jørgensen, L. Mancini, J. Southworth, K. A. Alsubai, V. Bozza, P. Browne, M. J. Burgdorf, S. Calchi Novati, P. Dodds, M. Dominik, X.-S. Fang, F. Finet, T. Gerner, S.-H. Gu, M. Hundertmark, J. Jessen-Hansen, N. Kains, E. Kerins, H. Kjeldsen, C. Liebig, M. N. Lund, M. Lundkvist, M. Mathiasen, D. Nesvorný, N. Nikolov, M. T. Penny, S. Proft, S. Rahvar, D. Ricci, K. C. Sahu, G. Scarpetta, S. Schäfer, F. Schönebeck, C. Snodgrass, J. Skottfelt, J. Surdej, J. Tregloan-Reed and O. Wertz: The transiting system GJ1214: high-precision defocused transit observations and a search for evidence of transit

timing variation. *Astronomy and Astrophysics* **549**, id.A10 (10 pp) (2013)

Hashimoto, J., R. Dong, T. Kudo, M. Honda, M. K. McClure, Z. Zhu, T. Muto, J. Wisniewski, L. Abe, W. Brandner, T. Brandt, J. Carson, S. Egner, M. Feldt, M. Fukagawa, M. Goto, C. A. Grady, O. Guyon, Y. Hayano, M. Hayashi, S. Hayashi, T. Henning, K. Hodapp, M. Ishii, M. Iye, M. Janson, R. Kandori, G. Knapp, N. Kusakabe, M. Kuzuhara, J. Kwon, T. Matsuo, S. Mayama, M. W. McElwain, S. Miyama, J.-I. Morino, A. Moro-Martin, T. Nishimura, T.-S. Pyo, G. Serabyn, T. Suenaga, H. Suto, R. Suzuki, Y. Takahashi, M. Takami, N. Takato, H. Terada, C. Thalmann, D. Tomono, E. L. Turner, M. Watanabe, T. Yamada, H. Takami, T. Usuda and M. Tamura: Erratum: "Polarimetric imaging of large cavity structures in the pre-transitional protoplanetary disk around PDS 70: Observations of the disk" (2012, ApJL, 758, L19). *The Astrophysical Journal Letters* **775**, id. L33 (2 pp) (2013)

Hayes, M., G. Östlin, D. Schaefer, A. Verhamme, J. M. Mas-Hesse, A. Adamo, H. Atek, J. M. Cannon, F. Duval, L. Guaita, E. C. Herenz, D. Kunth, P. Laursen, J. Melinder, I. Orlitová, H. Otí-Floranes and A. Sandberg: The Lyman alpha Reference Sample: extended Lyman alpha halos produced at low dust content. *The Astrophysical Journal Letters* **765**, id. L27 (6 pp) (2013)

Hegde, S. and L. Kaltenegger: Colors of extreme exo-earth environments. *Astrobiology* **13**, 47–56 (2013)

Henry, G. W., S. R. Kane, S. X. Wang, J. T. Wright, T. S. Boyajian, K. von Braun, D. R. Ciardi, D. Dragomir, C. Farrington, D. A. Fischer, N. R. Hinkel, A. W. Howard, E. Jensen, G. Laughlin, S. Mahadevan and G. Pilyavsky: Host star properties and transit exclusion for the HD 38529 planetary system. *The Astrophysical Journal* **768**, id. 155 (9 pp) (2013)

Hillenbrand, L. A., J. M. Carpenter, J. S. Kim, M. R. Meyer, D. E. Backman, A. Moro-Martín, D. J. Hollenbach, D. C. Hines, I. Pascucci and J. Bouwman: Erratum: "The Complete Census of 70 μm Bright Debris Disks within the FEPS (Formation and Evolution of Planetary Systems) Spitzer Legacy Survey of Sun-like Stars" (2008, ApJ, 677, 630). *The Astrophysical Journal* **764**, 111 (2013)

Hinkley, S., L. Hillenbrand, B. R. Oppenheimer, E. L. Rice, L. Pueyo, G. Vasisht, N. Zimmerman, A. L. Kraus, M. J. Ireland, D. Brenner, C. Beichman, R. Dekany, J. E. Roberts, I. R. Parry, L. C. Roberts, Jr., J. R. Crepp, R. Burruss, J. K. Wallace, E. Cady, C. Zhai, M. Shao, T. Lockhart, R. Soummer and A. Sivaramakrishnan: High-resolution infrared imaging and spectroscopy of the Z Canis Majoris system during quiescence and outburst. *The Astrophysical Journal Letters* **763**, id. L9 (5 pp) (2013)

Hinkley, S., L. Pueyo, J. K. Faherty, B. R. Oppenheimer, E. E. Mamajek, A. L. Kraus, E. L. Rice, M. J. Ireland, T. David, L. A. Hillenbrand, G. Vasisht, E. Cady, D. Brenner, A. Veicht, R. Nilsson, N. Zimmerman, I. R. Parry, C. Beichman, R. Dekany, J. E. Roberts, L. C. Roberts, Jr., C. Baranec, J. R. Crepp, R. Burruss, J. K. Wallace, D. King, C. Zhai, T. Lockhart, M. Shao, R. Soummer, A. Sivaramakrishnan and L. A. Wilson: The κ Andromedae system: new constraints on the companion mass, system age, and further multiplicity. *The Astrophysical Journal* **779**, id. 153 (14 pp) (2013)

Hofferbert, R., H. Baumeister, T. Bertram, J. Berwein, P. Bizenberger, A. Böhm, M. Böhm, J. L. Borelli, M. Brangier, F. Briegel, A. Conrad, F. De Bonis, R. Follert, T. Herbst, A. Huber, F. Kittmann, M. Kürster, W. Laun, U. Mall, D. Meschke, L. Mohr, V. Naranjo, A. Pavlov, J.-U. Pott, H.-W. Rix, R.-R. Rohloff, E. Schinnerer, C. Storz, J. Trowitzsch, Z. Yan, X. Zhang, A. Eckart, M. Horrobin, S. Rost, C. Straubmeier, I. Wank, J. Zuther, U. Beckmann, C. Connot, M. Heininger, K.-H. Hofmann, T. Kröner, E. Nussbaum, D. Schertl, G. Weigelt, M. Bergomi, A. Brunelli, M. Dima, J. Farinato, D. Magrin, L. Marafatto, R. Ragazzoni, V. Viotto, C. Arcidiacono, G. Bregoli, P. Ciliegi, G. Cosentino, E. Diolaiti, I. Foppiani, M. Lombini, L. Schreiber, F. D'Alessio, G. Li Causi, D. Lorenzetti, F. Vitali, M. Bertero, P. Boccacci and A. La Camera: LINC-NIRVANA for the large binocular telescope: setting up the world's largest near infrared binoculars for astronomy. *Optical Engineering* **52**, id. 081602 (2013)

Hubbard, A.: Turbulence-induced collision velocities and rates between different sized dust grains. *Monthly Notices of the Royal Astronomical Society* **432**, 1274–1284 (2013)

Jang-Condell, H. and N. J. Turner: Gaps in protoplanetary disks as signatures of planets. II. Inclined disks. *The Astrophysical Journal* **772**, id. 34 (19 pp) (2013)

Janson, M., T. D. Brandt, M. Kuzuhara, D. S. Spiegel, C. Thalmann, T. Currie, M. Bonnefoy, N. Zimmerman, S. Sorahana, T. Kotani, J. Schlieder, J. Hashimoto, T. Kudo, N. Kusakabe, L. Abe, W. Brandner, J. C. Carson, S. Egner, M. Feldt, M. Goto, C. A. Grady, O. Guyon, Y. Hayano, M. Hayashi, S. Hayashi, T. Henning, K. W. Hodapp, M. Ishii, M. Iye, R. Kandori, G. R. Knapp, J. Kwon, T. Matsuo, M. W. McElwain, K. Mede, S. Miyama, J.-I. Morino, A. Moro-Martín, T. Nakagawa, T. Nishimura, T.-S. Pyo, E. Serabyn, T. Suenaga, H. Suto, R. Suzuki, Y. Takahashi, M. Takami, N. Takato, H. Terada, D. Tomono, E. L. Turner, M. Watanabe, J. Wisniewski, T. Yamada, H. Takami, T. Usuda and M. Tamura: Direct imaging detection of methane in the atmosphere of GJ 504 b. *The Astrophysical Journal Letters* **778**, id. L4 (6 pp) (2013)

Janson, M., T. D. Brandt, A. Moro-Martín, T. Usuda, C. Thalmann, J. C. Carson, M. Goto, T. Currie, M. W. McElwain, Y. Itoh, M. Fukagawa, J. Crepp, M. Kuzuhara, J. Hashimoto, T. Kudo, N. Kusakabe, L. Abe, W. Brandner, S. Egner, M. Feldt, C. A. Grady, O. Guyon, Y. Hayano, M. Hayashi, S. Hayashi, T. Henning, K. W. Hodapp, M. Ishii, M. Iye, R. Kandori, G. R. Knapp, J. Kwon, T. Matsuo, S. Miyama, J.-I. Morino, T. Nishimura, T.-S. Pyo, E. Serabyn, T. Suenaga, H. Suto, R. Suzuki, Y. Takahashi, M. Takami, N. Takato, H. Terada, D. Tomono, E. L. Turner, M. Watanabe, J. Wisniewski, T. Yamada, H. Takami and M. Tamura: The SEEDS direct imaging survey for planets and scattered dust emission in debris disk systems. *The Astrophysical Journal* **773**, id. 73 (11 pp) (2013)

Joergens, V., M. Bonnefoy, Y. Liu, A. Bayo, S. Wolf, G. Chauvin and P. Rojo: OTS 44: Disk and accretion at the planetary border. *Astronomy and Astrophysics* **558**, id.L7 (5 pp) (2013)

Joergens, V., G. Herczeg, Y. Liu, I. Pascucci, E. Whelan, J. Alcalá, K. Biazzo, G. Costigan, M. Gully-Santiago, T. Henning, A. Natta, E. Rigliaco, M. V. Rodríguez-Ledesma, A. Sicilia-Aguilar, J. Tottle and S. Wolf: Disks, accretion and outflows of brown dwarfs. *Astronomische Nachrichten* **334**, 159 – 163 (2013)

Johnston, K. G., D. S. Shepherd, T. P. Robitaille and K. Wood: The standard model of low-mass star formation applied to massive stars: a multi-wavelength picture of AFGL 2591. *Astronomy and Astrophysics* **551**, id.A43 (23 pp) (2013)

Kains, N., D. M. Bramich, A. Arellano Ferro, R. Figuera Jaimes, U. G. Jørgensen, S. Giridhar, M. T. Penny, K. A. Alsubai, J. M. Andersen, V. Bozza, P. Browne, M. Burgdorf, S. Calchi Novati, Y. Damerdji, C. Diehl, P. Dodds, M. Dominik, A. Elyiv, X.-S. Fang, E. Giannini, S.-H. Gu, S. Hardis, K. Harpsøe, T. C. Hinse, A. Hornstrup, M. Hundertmark, J. Jessen-Hansen, D. Juncher, E. Kerins, H. Kjeldsen, H. Korhonen, C. Liebig, M. N. Lund, M. Lundkvist, L. Mancini, R. Martin, M. Mathiasen, M. Rabus, S. Rahvar, D. Ricci, K. Sahu, G. Scarpetta, J. Skottfelt, C. Snodgrass, J. Southworth, J. Surdej, J. Tregloan-Reed, C. Vilela, O. Wertz and A. Williams: Estimating the parameters of globular cluster M 30 (NGC 7099) from time-series photometry. *Astronomy and Astrophysics* **555**, id.A36 (15 pp) (2013)

Kains, N., R. A. Street, J.-Y. Choi, C. Han, A. Udalski, L. A. Almeida, F. Jablonski, P. J. Tristram, U. G. Jørgensen, M. K. Szymański, M. Kubiak, G. Pietrzyński, I. Soszyński, R. Poleski, S. Kozłowski, P. Pietrukowicz, K. Ulaczyk, Ł. Wyrzykowski, J. Skowron, K. A. Alsubai, V. Bozza, P. Browne, M. J. Burgdorf, S. Calchi Novati, P. Dodds, M. Dominik, S. Dreizler, X.-S. Fang, F. Grundahl, C.-H. Gu, S. Hardis, K. Harpsøe, F. V. Hessman, T. C. Hinse, A. Hornstrup, M. Hundertmark, J. Jessen-Hansen, E. Kerins, C. Liebig, M. Lund, M. Lundkvist, L. Mancini, M. Mathiasen, M. T. Penny, S. Rahvar, D. Ricci, K. C. Sahu, G. Scarpetta, J. Skottfelt, C. Snodgrass, J. Southworth, J. Surdej, J. Tregloan-Reed, J. Wambsganss, O. Wertz, D. Bajek, D. M. Bramich, K. Horne, S. Ipatov, I. A. Steele, Y. Tsapras, F. Abe, D. P. Bennett, I. A. Bond, C. S. Botzler, P. Chote, M. Freeman, A. Fukui, K. Furusawa, Y. Itow, C. H. Ling, K. Masuda, Y. Matsubara, N. Miyake, Y. Muraki, K. Ohnishi, N. Rattenbury, T. Saito, D. J. Sullivan, T. Sumi, D. Suzuki, K. Suzuki, W. L. Sweatman, S. Takino, K. Wada, P. C. M. Yock, W. Allen, V. Batista, S.-J. Chung, G. Christie, D. L. DePoy, J. Drummond, B. S. Gaudi, A. Gould, C. Henderson, Y.-K. Jung, J.-R. Koo, C.-U. Lee, J. McCormick, D. McGregor, J. A. Muñoz, T. Natusch, H. Ngan, H. Park, R. W. Pogge, I.-G. Shin, J. Yee, M. D. Albrow, E. Bachelet, J.-P. Beaulieu, S. Brillant, J. A. R. Caldwell, A. Cassan, A. Cole, E. Corrales, C. Coutures, S. Dieters, D. Dominis Prester, J. Donatowicz, P. Fouqué, J. Greenhill, S. R. Kane, D. Kubas, J.-B. Marquette, R. Martin, P. Meintjes, J. Menzies, K. R. Pollard, A. Williams, D. Wouters and M. Zub: A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251. *Astronomy and Astrophysics* **552**, id.A70 (10 pp) (2013)

Kainulainen, J., C. Federrath and T. Henning: Connection between dense gas mass fraction, turbulence driving, and star formation efficiency of molecular clouds. *Astronomy and*

Astrophysics **553**, id.L8 (6 pp) (2013)

Kainulainen, J., S. E. Ragan, T. Henning and A. Stutz: High-fidelity view of the structure and fragmentation of the high-mass, filamentary IRDC G11.11-0.12. *Astronomy and Astrophysics* **557**, id.A120 (8 pp) (2013)

Kainulainen, J. and J. C. Tan: High-dynamic-range extinction mapping of infrared dark clouds: Dependence of density variance with sonic Mach number in molecular clouds. *Astronomy and Astrophysics* **549**, id. A53 (28 pp) (2013)

Kaltenegger, L. and N. Haghighipour: Calculating the habitable zone of binary star systems. I. S-type binaries. *The Astrophysical Journal* **777**, id. 165 (11 pp) (2013)

Kaltenegger, L., D. Sasselov and S. Rugheimer: Water-planets in the habitable zone: atmospheric chemistry, observable features, and the case of Kepler-62e and -62f. *The Astrophysical Journal Letters* **775**, id. L47 (5 pp) (2013)

Karl, S. J., T. Lunttila, T. Naab, P. H. Johansson, U. Klaas and M. Juvela: Constrained simulations of the Antennae galaxies: comparison with Herschel-PACS observations. *Monthly Notices of the Royal Astronomical Society* **434**, 696-709 (2013)

Kendrew, S., A. Ginsburg, K. Johnston, H. Beuther, J. Bally, C. J. Cyganowski and C. Battersby: Early-stage massive star formation near the Galactic Center: Sgr C. *The Astrophysical Journal Letters* **775**, id. L50 (6 pp) (2013)

Khramtsova, M. S., D. S. Wiebe, P. A. Boley and Y. N. Pavlyuchenkov: Polycyclic aromatic hydrocarbons in spatially resolved extragalactic star-forming complexes. *Monthly Notices of the Royal Astronomical Society* **431**, 2006-2016 (2013)

Köhler, R., T. Ratzka, M. G. Petr-Gotzens and S. Correia: Orbits and masses in the young triple system TWA 5. *Astronomy and Astrophysics* **558**, id. A80 (8 pp) (2013)

Konstantopoulos, I. S., L. J. Smith, A. Adamo, E. Silva-Villa, J. S. Gallagher, N. Bastian, J. E. Ryon, M. S. Westmoquette, E. Zackrisson, S. S. Larsen, D. R. Weisz and J. C. Charlton: The Snapshot Hubble U-band Cluster Survey (SHUCS). I. Survey description and first application to the mixed star cluster population of NGC 4041. *The Astronomical Journal* **145**, id. 137 (20 pp) (2013)

Koppenhoefer, J., R. P. Saglia, L. Fossati, Y. Lyubchik, M. Mugrauer, R. Bender, C.-H. Lee, A. Riffeser, P. Afonso, J. Greiner, T. Henning, R. Neuhäuser, I. A. G. Snellen, Y. Pavlenko, M. Verdugo and N. Vogt: A hot Jupiter transiting a mid-K dwarf found in the pre-OmegaCam Transit Survey. *Monthly Notices of the Royal Astronomical Society* **435**, 3133-3147 (2013)

Kóspál, Á., P. Ábrahám, J. A. Acosta-Pulido, M. J. Arévalo Morales, Z. Balog, M. I. Carnerero, E. Szegedi-Elek, A. Farkas, T. Henning, J. Kelemen, T. Kovács, M. Kun, G. Marton, S. Mészáros, A. Moór, A. Pál, K. Sárneczky, R. Szakáts, N. Szalai, A. Szing, I. Tóth, N. J. Turner and K. Vida: Exploring the circumstellar environment of the young eruptive star V2492 Cygni. *Astronomy and Astrophysics* **551**, id.A62 (12 pp) (2013)

Kóspál, Á., A. Moór, A. Juhász, P. Ábrahám, D. Apai, T. Csengeri, C. A. Grady, T. Henning, A. M. Hughes, C. Kiss, I. Pascucci and M. Schmalzl: ALMA observations of the molecular gas in the debris disk of the 30 Myr old star HD 21997. *The Astrophysical Journal* **776**, id. 77 (8 pp) (2013)

Kostogryz, N. M., M. Kürster, T. M. Yakobchuk, Y. Lyubchik and M. K. Kuznetsov: A spectral differential approach to characterizing low-mass companions to late-type stars. *Astronomische Nachrichten* **334**, 648-660 (2013)

Krivov, A. V., C. Eiroa, T. Löhne, J. P. Marshall, B. Montesinos, C. del Burgo, O. Absil, D. Ardila, J.-C. Augereau, A. Bayo, G. Bryden, W. Danchi, S. Ertel, J. Lebreton, R. Liseau, A. Mora, A. J. Mustill, H. Mutschke, R. Neuhäuser, G. L. Pilbratt, A. Roberge, T. O. B. Schmidt, K. R. Stapelfeldt, P. Thébault, C. Vitense, G. J. White and S. Wolf: Herschel's "Cold Debris Disks": Background galaxies or quiescent rims of planetary systems? *The Astrophysical Journal* **772**, id. 32 (19 pp) (2013)

Kuiper, R. and R. S. Klessen: The reliability of approximate radiation transport methods for irradiated disk studies. *Astronomy and Astrophysics* **555**, id. A7 (8 pp) (2013)

Kurokawa, H. and L. Kaltenegger: Atmospheric mass-loss and evolution of short-period exoplanets: the examples of CoRoT-7b and Kepler-10b. *Monthly Notices of the Royal Astronomical Society* **433**, 3239–3245 (2013)

Kuzuhara, M., M. Tamura, T. Kudo, M. Janson, R. Kandori, T. D. Brandt, C. Thalmann, D. Spiegel, B. Biller, J. Carson, Y. Hori, R. Suzuki, A. Burrows, T. Henning, E. L. Turner, M. W. McElwain, A. Moro-Martín, T. Suenaga, Y. H. Takahashi, J. Kwon, P. Lucas, L. Abe, W. Brandner, S. Egner, M. Feldt, H. Fujiwara, M. Goto, C. A. Grady, O. Guyon, J. Hashimoto, Y. Hayano, M. Hayashi, S. S. Hayashi, K. W. Hodapp, M. Ishii, M. Iye, G. R. Knapp, T. Matsuo, S. Mayama, S. Miyama, J.-I. Morino, J. Nishikawa, T. Nishimura, T. Kotani, N. Kusakabe, T.-S. Pyo, E. Serabyn, H. Suto, M. Takami, N. Takato, H. Terada, D. Tomono, M. Watanabe, J. P. Wisniewski, T. Yamada, H. Takami and T. Usuda: Direct imaging of a cold Jovian exoplanet in orbit around the Sun-like star GJ 504. *The Astrophysical Journal* **774**, id. 11 (18 pp) (2013)

Lachaume, R. and J.-P. Berger: Bandwidth smearing in infrared long-baseline interferometry. Application to stellar companion search in fringe-scanning mode. *Monthly Notices of the Royal Astronomical Society* **435**, 2501–2519 (2013)

Launhardt, R., A. M. Stutz, A. Schmiedeke, T. Henning, O. Krause, Z. Balog, H. Beuther, S. Birkmann, M. Hennemann, J. Kainulainen, T. Khanzadyan, H. Linz, N. Lippok, M. Nielbock, J. Pitann, S. Ragan, C. Risacher, M. Schmalzl, Y. L. Shirley, B. Stecklum, J. Steinacker and J. Tackenberg: The Earliest Phases of Star Formation (EPoS): a Herschel key project. The thermal structure of low-mass molecular cloud cores. *Astronomy and Astrophysics* **551**, id.A98 (35 pp) (2013)

Leipski, C., K. Meisenheimer, F. Walter, M.-A. Besel, H. Dannerbauer, X. Fan, M. Haas, U. Klaas, O. Krause and H.-W. Rix: Complete infrared spectral energy distributions of millimeter detected quasars at $z > 5$. *The Astrophysical Journal* **772**, id. 103 (15 pp) (2013)

Li, H.-b., M. Fang, T. Henning and J. Kainulainen: The link between magnetic fields and filamentary clouds: bimodal cloud orientations in the Gould Belt. *Monthly Notices of the Royal Astronomical Society* **436**, 3707–3719 (2013)

Li, Y., A. F. Crocker, D. Calzetti, C. D. Wilson, R. C. Kennicutt, E. J. Murphy, B. R. Brandl, B. T. Draine, M. Galametz, B. D. Johnson, L. Armus, K. D. Gordon, K. Croxall, D. A. Dale, C. W. Engelbracht, B. Groves, C.-N. Hao, G. Helou, J. Hinz, L. K. Hunt, O. Krause, H. Roussel, M. Sauvage and J. D. T. Smith: Star formation rates in resolved galaxies: calibrations with near- and far-infrared data for NGC 5055 and NGC 6946. *The Astrophysical Journal* **768**, id. 180 (18 pp) (2013)

Lippok, N., R. Launhardt, D. Semenov, A. M. Stutz, Z. Balog, T. Henning, O. Krause, H. Linz, M. Nielbock, Y. N. Pavlyuchenkov, M. Schmalzl, A. Schmiedeke and J. H. Bieging: Gas-phase CO depletion and N2H+ abundances in starless cores. *Astronomy and Astrophysics* **560**, id.A41 (24 pp) (2013)

Liseau, R., B. Montesinos, G. Olofsson, G. Bryden, J. P. Marshall, D. Ardila, A. Bayo Aran, W. C. Danchi, C. del Burgo, C. Eiroa, S. Ertel, M. C. W. Fridlund, A. V. Krivov, G. L. Pilbratt, A. Roberge, P. Thébault, J. Wiegert and G. J. White: a Centauri A in the far infrared. First measurement of the temperature minimum of a star other than the Sun. *Astronomy and Astrophysics* **549**, id.L7 (5 pp) (2013)

Liu, M. C., E. A. Magnier, N. R. Deacon, K. N. Allers, T. J. Dupuy, M. C. Kotson, K. M. Aller, W. S. Burgett, K. C. Chambers, P. W. Draper, K. W. Hodapp, R. Jedicke, N. Kaiser, R.-P. Kudritzki, N. Metcalfe, J. S. Morgan, P. A. Price, J. L. Tonry and R. J. Wainscoat: The extremely red, young L dwarf PSO J318.5338–22.8603: a free-floating planetary-mass analog to directly imaged young gas-giant planets. *The Astrophysical Journal Letters* **777**, id. L20 (7 pp) (2013)

Lopez Martí, B., F. Jimenez Esteban, A. Bayo, D. Barrado, E. Solano and C. Rodrigo: Proper motions of young stars in Chamaeleon. I. A Virtual Observatory study of spectroscopically confirmed members. *Astronomy and Astrophysics* **551**, id. A46 (25 pp) (2013)

López Martí, B., F. Jiménez-Estebar, A. Bayo, D. Barrado, E. Solano, H. Bouy and C. Rodrigo:

Proper motions of young stars in Chamaeleon. II. New kinematical candidate members of Chamaeleon I and II. *Astronomy and Astrophysics* **556**, id.A144 (11 pp) (2013)

Maciejewski, G., D. Dimitrov, M. Seeliger, S. Raetz, Ł. Bukowiecki, M. Kitze, R. Errmann, G. Nowak, A. Niedzielski, V. Popov, C. Marka, K. Goździewski, R. Neuhäuser, J. Ohlert, T. C. Hinse, J. W. Lee, C.-U. Lee, J.-N. Yoon, A. Berndt, H. Gilbert, C. Ginski, M. M. Hohle, M. Mugrauer, T. Röll, T. O. B. Schmidt, N. Tetzlaff, L. Mancini, J. Southworth, M. Dall'Ora, S. Ciceri, R. Zambelli, G. Corfini, H. Takahashi, K. Tachihara, J. M. Benkő, K. Sárneczky, G. M. Szabo, T. N. Varga, M. Vaňko, Y. C. Joshi and W. P. Chen: Multi-site campaign for transit timing variations of WASP-12 b: possible detection of a long-period signal of planetary origin. *Astronomy and Astrophysics* **551**, id.A108 (16 pp) (2013)

Mancini, L., S. Ciceri, G. Chen, J. Tregloan-Reed, J. J. Fortney, J. Southworth, T. G. Tan, M. Burgdorf, S. Calchi Novati, M. Dominik, X.-S. Fang, F. Finet, T. Gerner, S. Hardis, T. C. Hinse, U. G. Jørgensen, C. Liebig, N. Nikolov, D. Ricci, S. Schäfer, F. Schönebeck, J. Skottfelt, O. Wertz, K. A. Alsubai, V. Bozza, P. Browne, P. Dodds, S.-H. Gu, K. Harpsøe, T. Henning, M. Hundertmark, J. Jessen-Hansen, N. Kains, E. Kerins, H. Kjeldsen, M. N. Lund, M. Lundkvist, N. Madhusudhan, M. Mathiasen, M. T. Penny, S. Prof, S. Rahvar, K. Sahu, G. Scarpetta, C. Snodgrass and J. Surdej: Physical properties, transmission and emission spectra of the WASP-19 planetary system from multi-colour photometry. *Monthly Notices of the Royal Astronomical Society* **436**, 2-18 (2013)

Mancini, L., N. Nikolov, J. Southworth, G. Chen, J. J. Fortney, J. Tregloan-Reed, S. Ciceri, R. van Boekel and T. Henning: Physical properties of the WASP-44 planetary system from simultaneous multi-colour photometry. *Monthly Notices of the Royal Astronomical Society* **430**, 2932-2942 (2013)

Mancini, L., J. Southworth, S. Ciceri, J. J. Fortney, C. V. Morley, J. A. Dittmann, J. Tregloan-Reed, I. Bruni, M. Barbieri, D. F. Evans, G. D'Ago, N. Nikolov and T. Henning: A lower radius and mass for the transiting extrasolar planet HAT-P-8 b. *Astronomy and Astrophysics* **551**, id.A11 (11 pp) (2013)

Manjavacas, E., B. Goldman, S. Reffert and T. Henning: Parallax measurements of cool brown dwarfs. *Astronomy and Astrophysics* **560**, id. A52 (8 pp) (2013)

Manoj, P., D. M. Watson, D. A. Neufeld, S. T. Megeath, R. Vavrek, V. Yu, R. Visser, E. A. Bergin, W. J. Fischer, J. J. Tobin, A. M. Stutz, B. Ali, T. L. Wilson, J. Di Francesco, M. Osorio, S. Maret and C. A. Poteet: Herschel/PACS Spectroscopic Survey of protostars in Orion: the origin of far-infrared CO emission. *The Astrophysical Journal* **763**, id. 83 (26 pp) (2013)

Mapelli, M., A. Gualandris and T. Hayfield: Perturbations induced by a molecular cloud on the young stellar disc in the Galactic Centre. *Monthly Notices of the Royal Astronomical Society* **436**, 3809-3819 (2013)

Marshall, J. P., A. V. Krivov, C. del Burgo, C. Eiroa, A. Mora, B. Montesinos, S. Ertel, G. Bryden, R. Liseau, J.-C. Augereau, A. Bayo, W. Danchi, T. Löhne, J. Maldonado, G. L. Pilbratt, K. Stapelfeldt, P. Thebault, G. J. White and S. Wolf: Herschel observations of the debris disc around HIP 92043. *Astronomy and Astrophysics* **557**, id. A58 (9 pp) (2013)

Meeus, G., C. Salyk, S. Bruderer, D. Fedele, K. Maaskant, N. J. Evans, E. F. van Dishoeck, B. Montesinos, G. Herczeg, J. Bouwman, J. D. Green, C. Dominik, T. Henning and S. Vicente: DIGIT survey of far-infrared lines from protoplanetary discs. II. CO. *Astronomy and Astrophysics* **559**, id.A84 (20 pp) (2013)

Merline, W. J., J. D. Drummond, B. Carry, A. Conrad, P. M. Tamblyn, C. Dumas, M. Kaasalainen, A. Erikson, S. Mottola, J. Durech, G. Rousseau, R. Behrend, G. B. Casalnuovo, B. Chinaglia, J. C. Christou, C. R. Chapman and C. Neyman: The Resolved Asteroid Program - Size, shape, and pole of (52) Europa. *Icarus* **225**, 794-805 (2013)

Meru, F., M. Galvagni and C. Olczak: Growth of grains in brown dwarf disks. *The Astrophysical Journal Letters* **774**, id. L4 (5 pp) (2013)

Meshkat, T., V. Bailey, J. Rameau, M. Bonneau, A. Boccaletti, E. E. Mamajek, M. Kenworthy, G. Chauvin, A.-M. Lagrange, K. Y. L. Su and T. Currie: Further evidence of the planetary nature of HD 95086 b from Gemini/NICI H-band data. *The Astrophysical Journal Letters* **775**, id. L40 (5

pp) (2013)

Mohler-Fischer, M., L. Mancini, J. D. Hartman, G. Á. Bakos, K. Penev, D. Bayliss, A. Jordán, Z. Csabry, G. Zhou, M. Rabus, N. Nikolov, R. Brahm, N. Espinoza, L. A. Buchhave, B. Béky, V. Suc, B. Csák, T. Henning, D. J. Wright, C. G. Tinney, B. C. Addison, B. Schmidt, R. W. Noyes, I. Papp, J. Lázár, P. Sári and P. Conroy: HATS-2b: A transiting extrasolar planet orbiting a K-type star showing starspot activity. *Astronomy and Astrophysics* **558**, id.A55 (13 pp) (2013)

Moór, A., P. Ábrahám, Á. Kóspál, G. M. Szabó, D. Apai, Z. Balog, T. Csengeri, C. Grady, T. Henning, A. Juhász, C. Kiss, I. Pascucci, J. Szulágyi and R. Vavrek: A resolved debris disk around the candidate planet-hosting star HD 95086. *The Astrophysical Journal Letters* **775**, id. L51 (6 pp) (2013)

Moór, A., A. Juhász, Á. Kóspál, P. Ábrahám, D. Apai, T. Csengeri, C. Grady, T. Henning, A. M. Hughes, C. Kiss, I. Pascucci, M. Schmalzl and K. Gabányi: ALMA continuum observations of a 30 Myr old gaseous debris disk around HD 21997. *The Astrophysical Journal Letters* **777**, id. L25 (6 pp) (2013)

Morales, E. F. E., F. Wyrowski, F. Schuller and K. M. Menten: Stellar clusters in the inner Galaxy and their correlation with cold dust emission. *Astronomy and Astrophysics* **560**, id. A76 (38 pp) (2013)

Mordasini, C.: Luminosity of young Jupiters revisited. Massive cores make hot planets. *Astronomy and Astrophysics* **558**, id.A113 (11 pp) (2013)

Mosoni, L., N. Sipos, P. Ábrahám, A. Moór, Á. Kóspál, T. Henning, A. Juhász, M. Kun, C. Leinert, S. P. Quanz, T. Ratzka, A. A. Schegerer, R. van Boekel and S. Wolf: Dynamics during outburst. VLTI observations of the young eruptive star V1647 Orionis during its 2003-2006 outburst. *Astronomy and Astrophysics* **552**, id.A62 (13 pp) (2013)

Muirhead, P. S., A. Vanderburg, A. Shporer, J. Becker, J. J. Swift, J. P. Lloyd, J. Fuller, M. Zhao, S. Hinkley, J. S. Pineda, M. Bottom, A. W. Howard, K. von Braun, T. S. Boyajian, N. Law, C. Baranec, R. Riddle, A. N. Ramaprasakash, S. P. Tendulkar, K. Bui, M. Burse, P. Chordia, H. Das, R. Dekany, S. Punnadi and J. A. Johnson: Characterizing the cool KOIs. V. KOI-256: a mutually eclipsing post-common envelope binary. *The Astrophysical Journal* **767**, id. 111 (14 pp) (2013)

Mulders, G. D., S.-J. Paardekooper, O. Panić, C. Dominik, R. van Boekel and T. Ratzka: Planet or brown dwarf? Inferring the companion mass in HD 100546 from the wall shape using mid-infrared interferometry. *Astronomy and Astrophysics* **557**, id.A68 (10 pp) (2013)

Müller, A., V. Roccagliata, T. Henning, D. Fedele, A. Pasquali, E. Caffau, M. V. Rodríguez-Ledesma, M. Mohler-Fischer, U. Seemann and R. J. Klement: Reanalysis of the FEROS observations of HIP 11952. *Astronomy and Astrophysics* **556**, id. A3 (7 pp) (2013)

Müller, T., Z. Balog, M. Nielbock, T. Lim, D. Teyssier, M. Olberg, U. Klaas, H. Linz, B. Altieri, C. Pearson, G. Bendo and E. Vilenius: Herschel celestial calibration sources - Four large main-belt asteroids as prime flux calibrators for the far-IR/sub-mm range. *Experimental Astronomy* **48** (2013 online first)

Muzerolle, J., E. Furlan, K. Flaherty, Z. Balog and R. Gutermuth: Pulsed accretion in a variable protostar. *Nature* **493**, 378-380 (2013)

Nguyen-Lu'o'ng, Q., F. Motte, P. Carlhoff, F. Louvet, P. Lesaffre, P. Schilke, T. Hill, M. Hennemann, A. Gusdorf, P. Didelon, N. Schneider, S. Bontemps, A. Duarte-Cabral, K. M. Menten, P. G. Martin, F. Wyrowski, G. Bendo, H. Roussel, J.-P. Bernard, L. Bronfman, T. Henning, C. Kramer and F. Heitsch: Low-velocity shocks traced by extended SiO emission along the W43 ridges: witnessing the formation of young massive clusters. *The Astrophysical Journal* **775**, id. 88 (21 pp) (2013)

Nielbock, M., T. Müller, U. Klaas, B. Altieri, Z. Balog, N. Billot, H. Linz, K. Okumura, M. Sánchez-Portal and M. Sauvage: The Herschel PACS photometer calibration. A time dependent flux calibration for the PACS chopped point-source photometry AOT mode. *Experimental Astronomy* **36**, 631-660 (2013)

Nielsen, E. L., M. C. Liu, Z. Wahhaj, B. A. Biller, T. L. Hayward, L. M. Close, J. R. Males, A. J. Skemer, M. Chun, C. Ftaclas, S. H. P. Alencar, P. Artymowicz, A. Boss, F. Clarke, E. de Gouveia Dal Pino, J. Gregorio-Hetem, M. Hartung, S. Ida, M. Kuchner, D. N. C. Lin, I. N. Reid, E. L. Shkolnik, M. Tecza, N. Thatte and D. W. Toomey: The Gemini NICI Planet-Finding Campaign: the frequency of giant planets around young B and A stars. *The Astrophysical Journal* **776**, id. 4 (35 pp) (2013)

Nikolov, N., G. Chen, J. J. Fortney, L. Mancini, J. Southworth, R. van Boekel and T. Henning: Refined physical properties and g', r', i', z', J, H, K transmission spectrum of WASP-23b from the ground. *Astronomy and Astrophysics* **553**, id. A26 (8 pp) (2013)

Ninan, J. P., D. K. Ojha, B. C. Bhatt, S. K. Ghosh, V. Mohan, K. K. Mallick, M. Tamura and T. Henning: Reappearance of McNeil's nebula (V1647 Orionis) and its outburst environment. *The Astrophysical Journal* **778**, id. 116 (14 pp) (2013)

Oliveira, J. M., J. T. van Loon, G. C. Sloan, M. Sewilo, K. E. Kraemer, P. R. Wood, R. Indebetouw, M. D. Filipovic, E. J. Crawford, G. F. Wong, J. L. Hora, M. Meixner, T. P. Robitaille, B. Shiao and J. D. Simon: Early-stage young stellar objects in the Small Magellanic Cloud. *Monthly Notices of the Royal Astronomical Society* **428**, 3001-3033 (2013)

Olofsson, J., M. Benisty, J.-B. Le Bouquin, J.-P. Berger, S. Lacour, F. Ménard, T. Henning, A. Crida, L. Burtscher, G. Meeus, T. Ratzka, C. Pinte, J.-C. Augereau, F. Malbet, B. Lazareff and W. Traub: Sculpting the disk around T Chamaeleontis: an interferometric view. *Astronomy and Astrophysics* **552**, d.A4 (13 pp) (2013)

Olofsson, J., T. Henning, M. Nielbock, J.-C. Augereau, A. Juhàsz, I. Oliveira, O. Absil and A. Tamanai: The twofold debris disk around HD 113766 A. Warm and cold dust as seen with VLTI/MIDI and Herschel/PACS. *Astronomy and Astrophysics* **551**, id. A134 (9 pp) (2013)

Olofsson, J., L. Szűcs, T. Henning, H. Linz, I. Pascucci and V. Joergens: The Herschel/PACS view of disks around low-mass stars in Chameleon-I. *Astronomy and Astrophysics* **560**, id. A100 (12 pp) (2013)

Oppenheimer, B. R., C. Baranec, C. Beichman, D. Brenner, R. Burruss, E. Cady, J. R. Crepp, R. Dekany, R. Fergus, D. Hale, L. Hillenbrand, S. Hinkley, D. W. Hogg, D. King, E. R. Ligon, T. Lockhart, R. Nilsson, I. R. Parry, L. Pueyo, E. Rice, J. E. Roberts, L. C. Roberts, Jr., M. Shao, A. Sivaramakrishnan, R. Soummer, T. Truong, G. Vasishtha, A. Veicht, F. Vescelus, J. K. Wallace, C. Zhai and N. Zimmerman: Reconnaissance of the HR 8799 exosolar system. I. Near-infrared spectroscopy. *The Astrophysical Journal* **768**, id. 24 (16 pp) (2013)

Overzier, R., G. Lemson, R. E. Angulo, E. Bertin, J. Blaizot, B. M. B. Henriques, G.-D. Marleau and S. D. M. White: The Millennium Run Observatory: First light. *Monthly Notices of the Royal Astronomical Society* **428**, 778-803 (2013)

Penev, K., G. Á. Bakos, D. Bayliss, A. Jordán, M. Mohler, G. Zhou, V. Suc, M. Rabus, J. D. Hartman, L. Mancini, B. Béky, Z. Csubry, L. Buchhave, T. Henning, N. Nikolov, B. Csák, R. Brahm, N. Espinoza, P. Conroy, R. W. Noyes, D. D. Sasselov, B. Schmidt, D. J. Wright, C. G. Tinney, B. C. Addison, J. Lázár, I. Papp and P. Sári: HATS-1b: The first transiting planet discovered by the HATSouth Survey. *The Astronomical Journal* **145**, id. 5 (11 pp) (2013)

Pitann, J., H. Linz, S. Ragan, A. M. Stutz, H. Beuther, T. Henning, O. Krause, R. Launhardt, A. Schmiedeke, F. Schuller, J. Tackenberg and T. Vasyunina: G048.66-0.29: Physical state of an isolated site of massive star formation. *The Astrophysical Journal* **766**, id. 68 (20 pp) (2013)

Raettig, N., W. Lyra and H. Klahr: A parameter study for baroclinic vortex amplification. *The Astrophysical Journal* **765**, id. 115 (12 pp) (2013)

Ragan, S. E., T. Henning and H. Beuther: APEX/SABOCA observations of small-scale structure of infrared-dark clouds . I. Early evolutionary stages of star-forming cores. *Astronomy and Astrophysics* **559**, id. A79 (26 pp) (2013)

Rameau, J., G. Chauvin, A.-M. Lagrange, A. Boccaletti, S. P. Quanz, M. Bonnefoy, J. H. Girard, P. Delorme, S. Desidera, H. Klahr, C. Mordasini, C. Dumas and M. Bonavita: Discovery of a probable 4-5 Jupiter-mass exoplanet to HD 95086 by direct imaging. *The Astrophysical Journal Letters* **772**, id. L15 (6 pp) (2013)

Rameau, J., G. Chauvin, A.-M. Lagrange, H. Klahr, M. Bonnefoy, C. Mordasini, M. Bonavita, S. Desidera, C. Dumas and J. H. Girard: A survey of young, nearby, and dusty stars conducted to understand the formation of wide-orbit giant planets. VLT/NaCo adaptive optics thermal and angular differential imaging. *Astronomy and Astrophysics* **553**, id.A60 (19 pp) (2013)

Rameau, J., G. Chauvin, A.-M. Lagrange, T. Meshkat, A. Boccaletti, S. P. Quanz, T. Currie, D. Mawet, J. H. Girard, M. Bonnefoy and M. Kenworthy: Confirmation of the planet around HD 95086 by direct imaging. *The Astrophysical Journal Letters* **779**, id. L26 (5 pp) (2013)

Rawlings, M. G., M. Juvela, K. Lehtinen, K. Mattila and D. Lemke: Observations of 6 - 200 mm emission of the Ophiuchus cloud LDN 1688. *Monthly Notices of the Royal Astronomical Society* **428**, 2617-2627 (2013)

Ricci, D., A. Elyiv, F. Finet, O. Wertz, K. Alsubai, T. Anguita, V. Bozza, P. Browne, M. Burgdorf, S. Calchi Novati, P. Dodds, M. Dominik, S. Dreizler, T. Gerner, M. Glitstrup, F. Grundahl, S. Hardis, K. Harpsøe, T. C. Hinse, A. Hornstrup, M. Hundertmark, U. G. Jørgensen, N. Kains, E. Kerins, C. Liebig, G. Maier, L. Mancini, G. Masi, M. Mathiasen, M. Penny, S. Proft, S. Rahvar, G. Scarpetta, K. Sahu, S. Schäfer, F. Schönebeck, R. Schmidt, J. Skottfelt, C. Snodgrass, J. Southworth, C. C. Thöne, J. Wambsganss, F. Zimmer, M. Zub and J. Surdej: Flux and color variations of the doubly imaged quasar UM673. *Astronomy and Astrophysics* **551**, id. A104 (7 pp) (2013)

Roberge, A., I. Kamp, B. Montesinos, W. R. F. Dent, G. Meeus, J. K. Donaldson, J. Olofsson, A. Moór, J.-C. Augereau, C. Howard, C. Eiroa, W.-F. Thi, D. R. Ardila, G. Sandell and P. Woitke: Herschel observations of gas and dust in the unusual 49 Ceti debris disk. *The Astrophysical Journal* **771**, id. 69 (10 pp) (2013)

Robitaille, T. P., E. J. Tollerud, P. Greenfield, M. Droettboom, E. Bray, T. Aldcroft, M. Davis, A. Ginsburg, A. M. Price-Whelan, W. E. Kerzendorf, A. Conley, N. Crighton, K. Barbary, D. Muna, H. Ferguson, F. Grollier, M. M. Parikh, P. H. Nair, H. M. Unther, C. Deil, J. Woillez, S. Conseil, R. Kramer, J. E. H. Turner, L. Singer, R. Fox, B. A. Weaver, V. Zabalza, Z. I. Edwards, K. Azalee Bostroem, D. J. Burke, A. R. Casey, S. M. Crawford, N. Dencheva, J. Ely, T. Jenness, K. Labrie, P. L. Lim, F. Pierfederici, A. Pontzen, A. Ptak, B. Refsdal, M. Servillat and O. Streicher: Astropy: A community Python package for astronomy. *Astronomy and Astrophysics* **558**, id.A33 (9 pp) (2013)

Rodler, F., M. Kürster and J. R. Barnes: Detection of CO absorption in the atmosphere of the hot Jupiter HD 189733b. *Monthly Notices of the Royal Astronomical Society* **432**, 1980-1988 (2013)

Rodler, F., M. Kürster, M. López-Morales and I. Ribas: The return of the mummy: Evidence for starlight reflected from the massive hot Jupiter t Boo b? *Astronomische Nachrichten* **334**, 188-191 (2013)

Rodríguez-Ledesma, M. V., R. Mundt, O. Pintado, S. Boudreault, F. Hessman and W. Herbst: The spectral type of CHS 7797 - an intriguing very low mass periodic variable in the Orion Nebula Cluster. *Astronomy and Astrophysics* **551**, 44 (2013)

Ruge, J. P., S. Wolf, A. L. Uribe and H. H. Klahr: Tracing large-scale structures in circumstellar disks with ALMA. *Astronomy and Astrophysics* **549**, id. A97 (16 pp) (2013)

Rugheimer, S., L. Kaltenegger, A. Zsom, A. Segura and D. Sasselov: Spectral fingerprints of earth-like planets around FGK stars. *Astrobiology* **13**, 251-269 (2013)

Sahlmann, J., T. Henning, D. Queloz, A. Quirrenbach, N. M. Elias, R. Launhardt, F. Pepe, S. Reffert, D. Ségransan, J. Setiawan, R. Abuter, L. Andolfato, P. Bizenberger, H. Baumeister, B. Chazelas, F. Delplancke, F. Dérie, N. Di Lieto, T. P. Duc, M. Fleury, U. Graser, A. Kaminski, R. Köhler, S. Lévêque, C. Maire, D. Mégevand, A. Mérand, Y. Michelod, J.-M. Moresmau, M. Mohler, A. Müller, P. Müllhaupt, V. Naranjo, L. Sache, Y. Salvade, C. Schmid, N. Schuhler, T. Schulze-Hartung, D. Sosnowska, B. Tubbs, G. T. van Belle, K. Wagner, L. Weber, L. Zago and N. Zimmerman: The ESPRI project: astrometric exoplanet search with PRIMA. I. Instrument description and performance of first light observations. *Astronomy and Astrophysics* **551**, id. A52 (31 pp) (2013)

Sandstrom, K. M., A. K. Leroy, F. Walter, A. D. Bolatto, K. V. Croxall, B. T. Draine, C. D. Wilson, M. Wolfire, D. Calzetti, R. C. Kennicutt, G. Aniano, J. Donovan Meyer, A. Usero, F. Bigiel, E. Brinks, W. J. G. de Blok, A. Crocker, D. Dale, C. W. Engelbracht, M. Galametz, B. Groves, L. K. Hunt, J. Koda, K. Kreckel, H. Linz, S. Meidt, E. Pellegrini, H.-W. Rix, H. Roussel, E. Schinnerer, A. Schruba, K.-F. Schuster, R. Skibba, T. van der Laan, P. Appleton, L. Armus, B. Brandl, K. Gordon, J. Hinz, O. Krause, E. Montiel, M. Sauvage, A. Schmiedeke, J. D. T. Smith and L. Vigroux: The CO-to-H₂ conversion factor and dust-to-gas ratio on kiloparsec scales in nearby galaxies. The Astrophysical Journal **777**, id. 5 (33 pp) (2013)

Scheerer, A. A., T. Ratzka, P. A. Schuller, S. Wolf, L. Mosoni and C. Leinert: Multiwavelength interferometric observations and modeling of circumstellar disks. Astronomy and Astrophysics **555**, id. A103 (14 pp) (2013)

Sewiło, M., L. R. Carlson, J. P. Seale, R. Indebetouw, M. Meixner, B. A. Whitney, T. P. Robitaille, J. M. Oliveira, K. Gordon, M. R. Meade, B. L. Babler, J. L. Hora, M. Block, K. Misselt, J. T. van Loon, C.-H. R. Chen, E. Churchwell and B. Shiao: Surveying the agents of galaxy evolution in the tidally stripped, low metallicity Small Magellanic Cloud (SAGE-SMC). III. Young stellar objects. The Astrophysical Journal **778**, id. 15 (34 pp) (2013)

Shirley, Y. L., T. P. Ellsworth-Bowers, B. Svoboda, W. M. Schlingman, A. Ginsburg, E. Rosolowsky, T. Gerner, S. Mairs, C. Battersby, G. Stringfellow, M. K. Dunham, J. Glenn and J. Bally: The Bolocam Galactic Plane Survey. X. A complete spectroscopic catalog of dense molecular gas observed toward 1.1 mm dust continuum sources with 7.[°]5 < = l < = 194[°]. The Astrophysical Journal Supplement Series **209**, id. 2 (15 pp) (2013)

Sicilia-Aguilar, A., T. Henning, H. Linz, P. André, A. Stutz, C. Eiroa and G. J. White: Protostars, multiplicity, and disk evolution in the Corona Australis region: a Herschel Gould Belt Study. Astronomy and Astrophysics **551**, id. A34 (26 pp) (2013)

Sicilia-Aguilar, A., J. S. Kim, A. Sobolev, K. Getman, T. Henning and M. Fang: The low-mass stellar population in the young cluster Tr 37. Disk evolution, accretion, and environment. Astronomy and Astrophysics **559**, id. A3 (29 pp) (2013)

Silva-Villa, E., A. Adamo and N. Bastian: A variation of the fraction of stars that form in bound clusters within M83. Monthly Notices of the Royal Astronomical Society **436**, L69-L73 (2013)

Skottfelt, J., D. M. Bramich, R. Figuera Jaimes, U. G. Jørgensen, N. Kains, K. B. W. Harpsøe, C. Liebig, M. T. Penny, K. A. Alsubai, J. M. Andersen, V. Bozza, P. Browne, S. Calchi Novati, Y. Damerdji, C. Diehl, M. Dominik, A. Elyiv, E. Giannini, F. Hessman, T. C. Hinse, M. Hundertmark, D. Juncher, E. Kerins, H. Korhonen, L. Mancini, R. Martin, M. Rabus, S. Rahvar, G. Scarpetta, J. Southworth, C. Snodgrass, R. A. Street, J. Surdej, J. Tregloan-Reed, C. Vilela and A. Williams: EMCCD photometry reveals two new variable stars in the crowded central region of the globular cluster NGC 6981. Astronomy and Astrophysics **553**, id. A111 (4 pp) (2013)

Skottfelt, J., D. M. Bramich, R. Figuera Jaimes, U. G. Jørgensen, N. Kains, K. B. W. Harpsøe, C. Liebig, M. T. Penny, K. A. Alsubai, J. M. Andersen, V. Bozza, P. Browne, S. Calchi Novati, Y. Damerdji, C. Diehl, M. Dominik, A. Elyiv, E. Giannini, F. Hessman, T. C. Hinse, M. Hundertmark, D. Juncher, E. Kerins, H. Korhonen, L. Mancini, R. Martin, M. Rabus, S. Rahvar, G. Scarpetta, J. Southworth, C. Snodgrass, R. A. Street, J. Surdej, J. Tregloan-Reed, C. Vilela and A. Williams: EMCCD photometry reveals two new variable stars in the crowded central region of the globular cluster NGC 6981 (Corrigendum). Astronomy and Astrophysics **558**, id. C1 (2 pp) (2013)

Sluse, D., M. Kishimoto, T. Anguita, O. Wucknitz and J. Wambsganss: Mid-infrared microlensing of accretion disc and dusty torus in quasars: effects on flux ratio anomalies. Astronomy and Astrophysics **553**, id. A53 (12 pp) (2013)

Smart, R. L., C. G. Tinney, B. Bucciarelli, F. Marocco, U. Abbas, A. Andrei, G. Bernardi, B. Burningham, C. Cardoso, E. Costa, M. T. Crosta, M. Daprá, A. Day-Jones, B. Goldman, H. R. A. Jones, M. G. Lattanzi, S. K. Leggett, P. Lucas, R. Mendez, J. L. Penna, D. Pinfield, L. Smith, A. Sozzetti and A. Vecchiato: NPARSEC: NTT parallaxes of Southern Extremely Cool objects. Goals, targets, procedures and first results. Monthly Notices of the Royal Astronomical Society **433**, 2054-2063 (2013)

Smith, R. J., R. Shetty, H. Beuther, R. S. Klessen and I. A. Bonnell: Line profiles of cores within custers. II. Signatures of dynamical collapse during high-mass star formation. The Astrophysical Journal **771**, id. 24 (12 pp) (2013)

Southworth, J., L. Mancini, P. Browne, M. Burgdorf, S. Calchi Novati, M. Dominik, T. Gerner, T. C. Hinse, U. G. Jørgensen, N. Kains, D. Ricci, S. Schäfer, F. Schönebeck, J. Tregloan-Reed, K. A. Alsubai, V. Bozza, G. Chen, P. Dodds, S. Dreizler, X.-S. Fang, F. Finet, S.-H. Gu, S. Hardis, K. Harpsøe, T. Henning, M. Hundertmark, J. Jessen-Hansen, E. Kerins, H. Kjeldsen, C. Liebig, M. N. Lund, M. Lundkvist, M. Mathiasen, N. Nikolov, M. T. Penny, S. Proft, S. Rahvar, K. Sahu, G. Scarpetta, J. Skottfelt, C. Snodgrass, J. Surdej and O. Wertz: High-precision photometry by telescope defocusing - V. WASP-15 and WASP-16. Monthly Notices of the Royal Astronomical Society **434**, 1300-1308 (2013)

Steglich, M., C. Jäger, F. Huisken, M. Friedrich, W. Plass, H.-J. Räder, K. Müllen and T. Henning: The abundances of hydrocarbon functional groups in the interstellar medium inferred from laboratory spectra of hydrogenated and methylated polycyclic aromatic hydrocarbons. The Astrophysical Journal Supplement Series **208**, id. 26 (22 pp) (2013)

Stock, D. J., E. Peeters, A. G. G. M. Tielens, J. N. Otaguro and A. Bik: Extinction and polycyclic aromatic hydrocarbon intensity variations across the H II Region IRAS 12063-6259. The Astrophysical Journal **771**, id. 72 (15 pp) (2013)

Street, R. A., J.-Y. Choi, Y. Tsapras, C. Han, K. Furusawa, M. Hundertmark, A. Gould, T. Sumi, I. A. Bond, D. Wouters, R. Zellem, A. Udalski, T. R. Collaboration, C. Snodgrass, K. Horne, M. Dominik, P. Browne, N. Kains, D. M. Bramich, D. Bajek, I. A. Steele, S. Ipatov, T. M. Collaboration, F. Abe, D. P. Bennett, C. S. Botzler, P. Chote, M. Freeman, A. Fukui, P. Harris, Y. Itow, C. H. Ling, K. Masuda, Y. Matsubara, N. Miyake, Y. Muraki, T. Nagayama, S. Nishimaya, K. Ohnishi, N. Rattenbury, T. Saito, D. J. Sullivan, D. Suzuki, W. L. Sweatman, P. J. Tristram, K. Wada, P. C. M. Yock, T. O. Collaboration, M. K. Szymański, M. Kubiak, G. Pietrzyński, I. Soszyński, R. Poleski, K. Ulaczyk, Ł. Wyrzykowski, T. μ. Collaboration, J. Yee, S. Dong, I.-G. Shin, C.-U. Lee, J. Skowron, L. A. De Almeida, D. L. DePoy, B. S. Gaudi, L.-W. Hung, F. Jablonski, S. Kaspi, N. Klein, K.-H. Hwang, J.-R. Koo, D. Maoz, J. A. Muñoz, R. W. Pogge, D. Polishhook, A. Shporer, J. McCormick, G. Christie, T. Natusch, B. Allen, J. Drummond, D. Moorhouse, G. Thornley, M. Knowler, M. Bos, G. Bolt, T. P. Collaboration, J.-P. Beaulieu, M. D. Albrow, V. Batista, S. Brillant, J. A. R. Caldwell, A. Cassan, A. Cole, E. Corrales, C. Coutures, S. Dieters, D. Dominis Prester, J. Donatowicz, P. Fouqué, E. Bachelet, J. Greenhill, S. R. Kane, D. Kubas, J.-B. Marquette, R. Martin, J. Menzies, K. R. Pollard, K. C. Sahu, J. Wambsganss, A. Williams, M. Zub, MiNDSTEp, K. A. Alsubai, V. Bozza, M. J. Burgdorf, S. Calchi Novati, P. Dodds, S. Dreizler, F. Finet, T. Gerner, S. Hardis, K. Harpsøe, F. Hessman, T. C. Hinse, U. G. Jørgensen, E. Kerins, C. Liebig, L. Mancini, M. Mathiasen, M. T. Penny, S. Proft, S. Rahvar, D. Ricci, G. Scarpetta, S. Schäfer, F. Schönebeck, J. Southworth and J. Surdej: MOA-2010-BLG-073L: An M-dwarf with a substellar companion at the planet/brown dwarf boundary. The Astrophysical Journal **763**, id. 67 (13 pp) (2013)

Sturm, B., J. Bouwman, T. Henning, N. J. Evans, L. B. F. M. Waters, E. F. van Dishoeck, J. D. Green, J. Olofsson, G. Meeus, K. Maaskant, C. Dominik, J. C. Augereau, G. D. Mulders, B. Acke, B. Merin and G. J. Herczeg: The 69 μm forsterite band in spectra of protoplanetary disks. Results from the Herschel DIGIT programme. Astronomy and Astrophysics **553**, id.A5 (25 pp) (2013)

Stutz, A. M., J. J. Tobin, T. Stanke, S. T. Megeath, W. J. Fischer, T. Robitaille, T. Henning, B. Ali, J. di Francesco, E. Furlan, L. Hartmann, M. Osorio, T. L. Wilson, L. Allen, O. Krause and P. Manoj: A Herschel and APEX census of the reddest sources in Orion: Searching for the youngest protostars. The Astrophysical Journal **767**, id. 36 (32 pp) (2013)

Su, K. Y. L., G. H. Rieke, R. Malhotra, K. R. Stapelfeldt, A. M. Hughes, A. Bonsor, D. J. Wilner, Z. Balog, D. M. Watson, M. W. Werner and K. A. Misselt: Asteroid belts in debris disk twins: Vega and Fomalhaut. The Astrophysical Journal **763**, id. 118 (14 pp) (2013)

Tackenberg, J., H. Beuther, R. Plume, T. Henning, J. Stil, M. Walmsley, F. Schuller and A. Schmiedeke: Triggered/sequential star formation? A multi-phase ISM study around the prominent IRDC G18.93-0.03. Astronomy and Astrophysics **550**, id. A116 (14 pp) (2013)

Takami, M., J. L. Karr, J. Hashimoto, H. Kim, J. Wisniewski, T. Henning, C. A. Grady, R. Kandori, K. W. Hodapp, T. Kudo, N. Kusakabe, M.-Y. Chou, Y. Itoh, M. Momose, S. Mayama, T.

Currie, K. B. Follette, J. Kwon, L. Abe, W. Brandner, T. D. Brandt, J. Carson, S. E. Egner, M. Feldt, O. Guyon, Y. Hayano, M. Hayashi, S. Hayashi, M. Ishii, M. Iye, M. Janson, G. R. Knapp, M. Kuzuhara, M. W. McElwain, T. Matsuo, S. Miyama, J.-I. Morino, A. Moro-Martin, T. Nishimura, T.-S. Pyo, E. Serabyn, H. Suto, R. Suzuki, N. Takato, H. Terada, C. Thalmann, D. Tomono, E. L. Turner, M. Watanabe, T. Yamada, H. Takami, T. Usuda and M. Tamura: High-contrast near-infrared imaging polarimetry of the protoplanetary disk around RY TAU. The Astrophysical Journal **772**, id. 145 (17 pp) (2013)

Thalmann, C., M. Janson, E. Buenzli, T. D. Brandt, J. P. Wisniewski, C. Dominik, J. Carson, M. W. McElwain, T. Currie, G. R. Knapp, A. Moro-Martín, T. Usuda, L. Abe, W. Brandner, S. Egner, M. Feldt, T. Golota, M. Goto, O. Guyon, J. Hashimoto, Y. Hayano, M. Hayashi, S. Hayashi, T. Henning, K. W. Hodapp, M. Ishii, M. Iye, R. Kandori, T. Kudo, N. Kusakabe, M. Kuzuhara, J. Kwon, T. Matsuo, S. Mayama, S. Miyama, J.-I. Morino, T. Nishimura, T.-S. Pyo, E. Serabyn, H. Suto, R. Suzuki, M. Takami, N. Takato, H. Terada, D. Tomono, E. L. Turner, M. Watanabe, T. Yamada, H. Takami and M. Tamura: Imaging discovery of the debris disk around HIP 79977. The Astrophysical Journal Letters **763**, id. L29 (7 pp) (2013)

Uribe, A. L., H. Klahr and T. Henning: Accretion of gas onto gap-opening planets and circumplanetary flow structure in magnetized turbulent disks. The Astrophysical Journal **769**, id. 97 (9 pp) (2013)

Wahhaj, Z., M. C. Liu, B. A. Biller, E. L. Nielsen, L. M. Close, T. L. Hayward, M. Hartung, M. Chun, C. Ftaclas and D. W. Toomey: The Gemini NICI Planet-Finding Campaign: the companion detection pipeline. The Astrophysical Journal **779**, id. 80 (14 pp) (2013)

Wahhaj, Z., M. C. Liu, E. L. Nielsen, B. A. Biller, T. L. Hayward, L. M. Close, J. R. Males, A. Skemer, C. Ftaclas, M. Chun, N. Thatte, M. Tecza, E. L. Shkolnik, M. Kuchner, I. N. Reid, E. M. de Gouveia Dal Pino, S. H. P. Alencar, J. Gregorio-Hetem, A. Boss, D. N. C. Lin and D. W. Toomey: The Gemini Planet-finding Campaign: The frequency of giant planets around debris disk stars. The Astrophysical Journal **773**, id. 179 (30 pp) (2013)

Wang, W., R. van Boekel, N. Madhusudhan, G. Chen, G. Zhao and T. Henning: Ground-based Detections of Thermal Emission from the Dense Hot Jupiter WASP-43b in the H and K s Bands. The Astrophysical Journal **770**, id. 70 (8 pp) (2013)

Whitney, B. A., T. P. Robitaille, J. E. Bjorkman, R. Dong, M. J. Wolff, K. Wood and J. Honor: Three-dimensional radiation transfer in young stellar objects. The Astrophysical Journal Supplement Series **207**, id. 30 (20 pp) (2013)

Yamamoto, K., T. Matsuo, H. Shibai, Y. Itoh, M. Konishi, J. Sudo, R. Tanii, M. Fukagawa, T. Sumi, T. Kudo, J. Hashimoto, N. Kusakabe, L. Abe, W. Brandner, T. D. Brandt, J. Carson, T. Currie, S. E. Egner, M. Feldt, M. Goto, C. Grady, O. Guyon, Y. Hayano, M. Hayashi, S. Hayashi, T. Henning, K. Hodapp, M. Ishii, M. Iye, M. Janson, R. Kandori, G. R. Knapp, M. Kuzuhara, J. Kwon, M. McElwain, S. Miyama, J.-I. Morino, A. Moro-Martín, J. Nishikawa, T. Nishimura, T.-S. Pyo, E. Serabyn, H. Suto, R. Suzuki, M. Takami, N. Takato, H. Terada, C. Thalmann, D. Tomono, E. L. Turner, J. Wisniewski, M. Watanabe, T. Yamada, H. Takami and T. Usuda: Direct imaging search for extrasolar planets in the Pleiades. Publications of the Astronomical Society of Japan **65**, id. 90 (19 pp) (2013)

Yang, P., S. Hippler, C. P. Deen, W. Brandner, Y. Clénet, T. Henning, A. Huber, S. Kendrew, R. Lenzen, O. Pfuhl and J. Zhu: Characterization of the transmitted near-infrared wavefront error for the GRAVITY/VLTI Coudé Infrared Adaptive Optics System. Optics Express **21**, 9069-9080 (2013)

Ybarra, J. E., E. A. Lada, C. G. Román-Zúñiga, Z. Balog, J. Wang and E. D. Feigelson: The progression of star formation in the Rosette Molecular Cloud. The Astrophysical Journal **769**, id. 140 (9 pp) (2013)

Yee, J. C., L.-W. Hung, I. A. Bond, W. Allen, L. A. G. Monard, M. D. Albrow, P. Fouqué, M. Dominik, Y. Tsapras, A. Udalski, A. Gould, R. Zellem, M. Bos, G. W. Christie, D. L. DePoy, S. Dong, J. Drummond, B. S. Gaudi, E. Gorbikov, C. Han, S. Kaspi, N. Klein, C.-U. Lee, D. Maoz, J. McCormick, D. Moorhouse, T. Natusch, M. Nola, B.-G. Park, R. W. Pogge, D. Polishook, A. Shporer, Y. Shvartzvald, J. Skowron, G. Thornley, T. μ. Collaboration, F. Abe, D. P. Bennett, C. S. Botzler, P. Chote, M. Freeman, A. Fukui, K. Furusawa, P. Harris, Y. Itow, C. H. Ling, K. Masuda, Y. Matsubara, N. Miyake, K. Ohnishi, N. J. Rattenbury, T. Saito, D. J. Sullivan, T. Sumi,

*D. Suzuki, W. L. Sweatman, P. J. Tristram, K. Wada, P. C. M. Yock, T. M. Collaboration, M. K. Szymański, I. Soszyński, M. Kubiak, R. Poleski, K. Ulaczyk, G. Pietrzyński, Ł. Wyrzykowski, T. O. Collaboration, E. Bachelet, V. Batista, T. G. Beatty, J.-P. Beaulieu, C. S. Bennett, R. Bowens-Rubin, S. Brilliant, J. A. R. Caldwell, A. Cassan, A. A. Cole, E. Corrales, C. Coutures, S. Dieters, D. Dominis Prester, J. Donatowicz, J. Greenhill, C. B. Henderson, D. Kubas, J.-B. Marquette, R. Martin, J. W. Menzies, B. Shappee, A. Williams, D. Wouters, J. van Saders, M. Zub, T. P. Collaboration, R. A. Street, K. Horne, D. M. Bramich, I. A. Steele, T. R. Collaboration, K. A. Alsubai, V. Bozza, P. Brownie, M. J. Burgdorf, S. Calchi Novati, P. Dodds, F. Finet, T. Gerner, S. Hardis, K. Harpsøe, F. V. Hessman, T. C. Hinse, M. Hundertmark, U. G. Jørgensen, N. Kains, E. Kerins, C. Liebig, L. Mancini, M. Mathiasen, M. T. Penny, S. Proft, S. Rahvar, D. Ricci, K. C. Sahu, G. Scarpetta, S. Schäfer, F. Schönebeck, C. Snodgrass, J. Southworth, J. Surdej, J. Wambsganss and M. Consortium: MOA-2010-BLG-311: A planetary candidate below the threshold of reliable detection. The Astrophysical Journal **769**, id. 77 (13 pp) (2013)*

*Zechmeister, M., M. Kürster, M. Endl, G. Lo Curto, H. Hartman, H. Nilsson, T. Henning, A. P. Hatzes and W. D. Cochran: The planet search programme at the ESO CES and HARPS. IV. The search for Jupiter analogues around solar-like stars. Astronomy and Astrophysics **552**, id. A78 (62 pp) (2013)*

*Zhang, M., W. Brandner, H. Wang, M. Gennaro, A. Bik, T. Henning, R. Gredel, M. Smith and T. Stanke: Proper motions of molecular hydrogen outflows in the ρ Ophiuchi molecular cloud. Astronomy and Astrophysics **553**, id. A41 (37 pp) (2013)*

*Zhukovska, S. and T. Henning: Dust input from AGB stars in the Large Magellanic Cloud. Astronomy and Astrophysics **555**, id. A99 (15 pp) (2013)*

*Zurlo, A., A. Vigan, J. Hagelberg, S. Desidera, G. Chauvin, J. M. Almenara, K. Biazzo, M. Bonnefoy, J. C. Carson, E. Covino, P. Delorme, V. D'Orazi, R. Gratton, D. Mesa, S. Messina, C. Moutou, D. Segransan, M. Turatto, S. Udry and F. Wildi: Astrophysical false positives in direct imaging for exoplanets: a white dwarf close to a rejuvenated star. Astronomy and Astrophysics **554**, id. A21 (12 pp) (2013)*

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Planeten- und Sternentstehung/ Planet and Star Formation (2013)

Contributed Papers

Adamo, A. and L. J. Smith: The Snapshot Hubble U-band Cluster Survey; A cluster complex in NGC 2146. In: 370 Years of Astronomy in Utrecht, (Eds.) Pugliese, G., A. de Koter, M. Wijburg. ASP Conf. Ser. **470**, ASP, 309-313 (2013)

Alonso-Floriano, F. J., D. Montes, J. A. Caballero, A. Klutsch, J. C. Morales, R. Mundt, I. Ribas, A. Reiners, A. Quirrenbach, P. J. Amado and C. Consortium: CARMENES. IV. Preliminary low-resolution spectroscopic characterisation. In: CARMENES. IV. Preliminary low-resolution spectroscopic characterisation, 431-431 (2013)

Amado, P. J., A. Quirrenbach, J. A. Caballero, H. Mandel, I. Ribas, A. Reiners, M. A. Sanchez-Carrasco, W. Seifert, R. Mundt and C. Consortium: CARMENES: A radial-velocity survey for terrestrial planets in the habitable zones of M dwarfs. A historical overview. In: CARMENES: A radial-velocity survey for terrestrial planets in the habitable zones of M dwarfs. A historical overview, 842-847 (2013)

Bergomi, M., V. Viotto, J. Farinato, L. Marafatto, K. Radakrishnan, R. Ragazzoni, M. Dima, D. Magrin, C. Arcidiacono, E. Diolaiti, I. Foppiani, M. Lombini, L. Schreiber, T. Bertram, P. Bizenberger, A. Conrad, T. Herbst, F. Kittmann, D. Kopon, D. Meschke, X. Zhang and L. Fini: Multiple FoV MCAO on its way to the sky. In: Proceedings of the Third AO4ELT Conference, (Eds.) Esposito, S., L. Fini. id. 40 (2013 online)

Bik, A., T. Henning, A. Stolte, W. Brandner, D. A. Gouliermis, M. Gennaro, A. Pasquali, B. Rochau, H. Beuther, N. Ageorges, W. Seifert, Y. Wang and N. Kudryavtseva: Age spread in galactic star forming region W3 Main. In: 370 years of Astronomy in Utrecht, (Eds.) Pugliese, G., A. de Koter, M. Wijburg. ASP Conf. Ser. **470**, ASP, 367-370 (2013)

Bonnefoy, M., A. Boccaletti, A.-M. Lagrange, G. Chauvin, H. Beust, F. Allard, C. Mordasini, J. H. V. Girard, D. Homeier, D. Apai, S. Lacour and D. Rouan: Properties of the young gas giant planet beta Pictoris b. In: Properties of the young gas giant planet beta Pictoris b, **8**, id.EPSC2013-848 (2013 online)

Bonnefoy, M. and G. Chauvin: Brown dwarfs and planets. Memorie della Societa Astronomica Italiana **84**, 992-999 (2013)

Cady, E., C. Baranec, C. Beichman, D. Brenner, R. Burruss, J. Crepp, R. Dekany, D. Hale, L. Hillenbrand, S. Hinkley, E. R. Ligon, T. Lockhart, B. Oppenheimer, I. Parry, L. Pueyo, E. Rice, L. C. Roberts, J. Roberts, M. Shao, A. Sivaramakrishnan, R. Soummer, H. Tang, T. Truong, G. Vasish, F. Vescelus, J. K. Wallace, C. Zhai and N. Zimmerman: Electric field conjugation with the project 1640 coronagraph. In: Techniques and Instrumentation for Detection of Exoplanets VI, (Ed.) Shaklan, S. SPIE **8864**, SPIE, id. 88640K (9 pp) (2013)

Conrad, A. R., W. J. Merline, A. La Camera, P. Boccacci, M. Bertero, T. M. Herbst, M. Kuerster, B. Carry, J. Drummond, M. Norris and J. C. Christou: Detecting Asteroid Satellites with LINC-NIRVANA at the Large Binocular Telescope. In: 44th Lunar and Planetary Science Conference, LPI Contribution **1719**, id. 2032 (2 pp) (2013 online)

Drass, H., R. Chini, D. Nürnberger, A. Bayo, M. Haas, M. Hackstein, M. Morales-Calderón and V. Hoffmeister: The substellar content of the Orion Nebula Cluster. Memorie della Societa Astronomica Italiana **84**, 902-904 (2013)

Gálvez-Ortiz, M. C., M. R. Zapatero Osorio, G. Bihain, S. Boudreault, R. Rebolo, J. A. Caballero, V. J. S. Béjar, T. Henning, B. Goldman, R. Mundt, C. A. L. Bailer-Jones and E. Manjavacas:
Search for Pleiades T dwarfs. *Memorie della Societa Astronomica Italiana* **84**, 945-947 (2013)

Goldman, B., S. Röser, E. Schilbach, E. A. Magnier, C. Olczak, T. Henning and t. Pan-STARRS1 Science Consortium: The Pan-STARRS1 view of the Hyades cluster. *RoeSe11. Memorie della Societa Astronomica Italiana* **84**, 921-925 (2013)

Hubbard, A., C. P. McNally, M. M. Mac Low, D. S. Ebel and P. D'Alessio: The short circuit instability in protoplanetary disks: processing high temperature minerals. In: *Instabilities and Structures in Proto-Planetary Disks*, (Eds.) Barge, P., L. Jorda. EPJ Web of Conferences **46**, EDP Sciences, id. 04005 (2013 online)

Klahr, H., N. Raettig and W. Lyra: Disk weather. Baroclinic instability and vortex amplification. In: *Instabilities and Structures in Proto-Planetary Disks*, (Eds.) Barge, P., L. Jorda. EPJ Web of Conferences **46**, EDP Sciences, id. 04001 (2013 online)

Kopon, D., A. Conrad, T. Bertram, T. Herbst, M. Kürster, J. Berwein, R. Ragazzoni, J. Farinato, V. Viotto, M. Bergomi, R.-R. Rohloff, H. Baumeister, F. De Bonis, R. Hofferbert, A. Brunelli, C. Arcidiacono, J.-U. Pott, P. Bizenberger, F. Biegel, D. Meschke, L. Mohr, X. Zhang, F. Kittmann and L. Fini: Laboratory results and status update for Pathfinder, the LINC-NIRVANA NGS ground-layer AO subsystem. In: *Third AO4ELT Conference*, (Eds.) Esposito, S., L. Fini. INAF, id. 73 (2013 online)

Koppenhoefer, J., T. Henning, R. P. Saglia, C. Obermeier, S. Kretschmann and N. Nikolov: The Pan-STARRS1 Planet Survey: Overview and first results. In: *Hot Planets and Cool Stars*, (Ed.) Saglia, R. EPJ Web of Conferences **47**, EDP Sciences, id. 03002 (2013 online)

Kopytova, T. G., W. Brandner, S. Röser, E. Schilbach and N. Da Rio: Calibration of stellar and atmospheric models using the Hyades. *Memorie della Societa Astronomica Italiana* **84**, 1066-1069 (2013)

Kostogryz, N., M. Kürster, T. Yakobchuk, Y. Lyubchik and M. Kuznetsov: A spectral differential characterization of low-mass companions. In: *Hot Planets and Cool Stars*, (Ed.) Saglia, R. EPJ Web of Conferences **47**, EDP Sciences, 13003 (2013 online)

Kostogryz, N. M., M. Kürster and Y. Lyubchik: Stellar activity, difference spectra, and the dynamical masses of M dwarf companions. *Memorie della Societa Astronomica Italiana* **84**, id. 1047 (2013)

Kürster, M., M. Zechmeister, M. Endl, G. Lo Curto, H. Hartman, H. Nilsson, T. Henning, A. P. Hatzes and W. D. Cochran: Jupiter analogues and planets of active stars. In: *Jupiter analogues and planets of active stars*, (Ed.) Saglia, R. EPJ Web of Conferences **47**, EDP Sciences, id. 05005 (2013 online)

Levrier, F., B. Commerçon, A. J. Maury, T. Henning, R. Launhardt, C. Dullemond, N. Kuno and S. Yamamoto: Simulated ALMA observations of collapsing low-mass dense cores. In: *New Trends in Radio Astronomy in the ALMA Era*, (Eds.) Kawabe, R., N. Kuno, S. Yamamoto. ASP Conf. Ser. **476**, ASP, 313-314 (2013)

López Martí, B., A. Bayo, M. Morales Calderón and D. Barrado: A multiwavelength study of young stars in the Elephant Trunk. In: *Highlights of Spanish Astrophysics VII*, (Eds.) Guirado, J. C., L. M. Lara, V. Quilis, J. Gorgas. Sociedad Española de Astronomía, 577-582 (2013)

Mancini, L., S. Ciceri and T. Henning: Photometric follow-up of transiting extrasolar planets and the HATSouth survey. In: *European Planetary Science Congress 2013*, EPSC Abstracts **8**, Europlanet, id. EPSC2013-441 (2013 online)

Manjavacas, E., B. Goldman, S. Reffert and T. Henning: Parallax measurements of six brown dwarfs. *Memorie della Societa Astronomica Italiana* **84**, 960–962 (2013)

Miguel, Y., L. Kaltenegger, F. Raulin, C. Muller and C. Nixon: Hot Super-Earth Atmospheres. In: *The Early Evolution of the Atmospheres of Terrestrial Planets*, (Eds.) Trigo-Rodriguez, J. M., F. Raulin, C. Muller. *Astrophysics and Space Science Proceedings* **35**, Springer Science+Business Media 53-65 (2013)

Plavchan, P. P., G. Anglada-Escude, R. White, P. Gao, C. Davison, S. Mills, C. Beichman, C. Brinkworth, J. Johnson, M. Bottom, D. Ciardi, K. Wallace, B. Mennesson, K. von Braun, G. Vasisht, L. Prato, S. Kane, A. Tanner, B. Walp, S. Crawford and S. Lin: Precision near-infrared radial velocity instrumentation I: absorption gas cells. In: *Techniques and Instrumentation for Detection of Exoplanets VI*, (Ed.) Shaklan, S. SPIE **8864**, SPIE, id. 88641J (19 pp) (2013)

Plavchan, P. P., M. Bottom, P. Gao, J. K. Wallace, B. Mennesson, D. Ciardi, S. Crawford, S. Lin, C. Beichman, C. Brinkworth, J. Johnson, C. Davison, R. White, G. Anglada-Escude, K. von Braun, G. Vasisht, L. Prato, S. Kane, A. Tanner, B. Walp and S. Mills: Precision near-infrared radial velocity instrumentation II: noncircular core fiber scrambler. In: *Techniques and Instrumentation for Detection of Exoplanets VI*, (Ed.) Shaklan, S. SPIE **8864**, SPIE, id. 88640G (18 pp) (2013)

Quirrenbach, A., P. J. Amado, J. A. Caballero, H. Mandel, R. Mundt, A. Reiners, I. Ribas, M. A. Sánchez Carrasco, W. Seifert, M. Azzaro, D. Galadí, F. J. Alonso-Floriano, S. Dreizler, D. Montes, P. Rhode and J. Stürmer: CARMENES: Blue planets orbiting red dwarfs. In: *Hot Planets and Cool Stars*, (Ed.) Saglia, R. EPJ Web of Conferences **47**, EDP Sciences, id. 05006 (2013)

Raab, W., S. Rabien, W. Gaessler, S. Esposito, J. Antichi, M. Lloyd-Hart, L. Barl, U. Beckmann, M. Bonaglia, J. Borelli, J. Brynnel, P. Buschkamp, L. Busoni, L. Carbonaro, J. Christou, C. Connot, R. Davies, M. Deysenroth, O. Durney, R. Green, H. Gemperlein, V. Gasho, M. Haug, P. Hubbard, S. Ihle, M. Kulas, C. Loose, M. Lehmitz, J. Noenickx, E. Nussbaum, G. Orban De Xivry, A. Quirrenbach, D. Peter, G. Rahmer, M. Rademacher, J. Storm, C. Schwab, V. Vaiteeswaran, J. Ziegleder and L. Fini: Status of ARGOS - The Laser Guide Star System for the LBT. In: *Third AO4ELT Conference*, (Eds.) Esposito, S., L. Fini. id. 106 (8 pp) (2013 online)

Rodler, F., M. Kürster and J. R. Barnes: Detection of CO in the atmosphere of the hot Jupiter HD 189733b. In: *Hot Planets and Cool Stars*, (Ed.) Saglia, R. EPJ Web of Conferences **47**, EDP Sciences, id. 11003 (2013)

Rodón, J. A., H. Beuther, P. Schilke, Q. Zhang, N. Kuno and S. Yamamoto: Fragmentation in high-mass star forming regions. In: *New Trends in Radio Astronomy in the ALMA Era*, (Ed.) Kawabe, R. ASP Conf. Ser. **476**, ASP, 315-316 (2013)

Roelfsema, R., D. Gisler, J. Pragt, H. M. Schmid, A. Bazzon, C. Dominik, A. Baruffolo, A. Boccaletti, J.-L. Beuzit, A. Costille, K. Dohlen, M. Downing, E. Elswijk, M. de Haan, N. Hubin, M. Kasper, C. Keller, M. Kenworthy, J.-L. Lizon, P. Martinez, D. Mouillet, A. Pavlov, P. Puget, B. Salasnich, J.-F. Sauvage, C. Thalmann and F. Wildi: SPHERE-ZIMPOL system testing: status report on polarimetric high contrast results. In: *Techniques and Instrumentation for Detection of Exoplanets VI*, (Ed.) Shaklan, S. SPIE **8864**, SPIE, id. 88640C (20 pp) (2013)

Ruge, J. P., S. Wolf, A. L. Uribe and H. H. Klahr: Tracing planets in circumstellar discs. Observability of large-scale disc structures with ALMA. In: *Instabilities and Structures in Proto-Planetary Disks*, (Eds.) Barge, P., L. Jorda. EPJ Web of Conferences **46**, EDP Sciences, 02003 (2013 online)

Sauvage, J.-F., J.-L. Beuzit, R. Roelfsema, M. Feldt, K. Dohlen, D. Mouillet, P. Puget, F. Wildi, L. Abe, A. Baruffolo, P. Baudoz, A. Bazzon, A. Boccaletti, T. Buey, M. Carillet, J. Charton, R.

Claudi, A. Costille, A. Delboulb  , S. Desidera, C. Dominik, M. Downing, C. Fabron, P. Feautrier, E. Fedrigo, T. Fusco, E. Giro, L. Gluck, R. Gratton, T. Henning, N. Hubin, M. Kasper, A.-M. Lagrange, M. Langlois, D. Le Mignant, J.-L. Lizon, F. Madec, Y. Magnard, P. Martinez, D. Mesa, O. M  ller-Nilsson, T. Moulin, C. Moutou, A. Pavlov, D. Perret, C. Petit, J. Pragt, P. Rabou, S. Rochat, B. Salasnich, G. Rousset, H.-M. Schmid, A. Sevin, C. Soenke, E. Stadler, M. Suarez, M. Turatto, S. Udry, A. Vigan, F. Vakili, G. Zins and A. Zurlo: Sphere: complete laboratory performance and prediction for on-sky first light. In: Techniques and Instrumentation for Detection of Exoplanets, (Ed.) Shaklan, S. SPIE **8864**, SPIE, id. 88640B (10 pp) (2013)

Sewi  o, M., L. R. Carlson, J. P. Seale, R. Indebetouw, M. Meixner, B. A. Whitney, T. R. Robitaille, J. M. Oliveira, K. Gordon and J. Ott: Young stellar objects in the low-metallicity Small Magellanic Cloud. In: Molecular gas, dust, and star formation in galaxies (Ed.) Wong, T. IAU Symp. **292**, Cambridge Univ. Press 112-112 (2013)

Sivaramakrishnan, A., A. Z. Greenbaum, G. L. Carr, R. J. Smith, X. Xi and N. T. Zimmerman: Calibrating apodizer fabrication techniques for high-contrast coronagraphs on segmented and monolithic space telescopes. In: Optical/IR Space Telescopes and Instruments: Innovative Technologies and Concepts VI, (Eds.) A., M. H., J. B. Breckinridge. SPIE **8860**, SPIE, id. 88600W (10 pp) (2013)

Surville, C. and P. Barge: Structure and migration of 2D vortices. In: Instabilities and Structures in Proto-Planetary Disks, (Eds.) Barge, P., L. Jorda. EPJ Web of Conferences **46**, EDP Sciences, id. 05002 (2013 online)

Thalmann, C., S. Desidera, C. Bergfors, A. Boccaletti, M. Bonavita, J. C. Carson, M. Feldt, M. Goto, T. Henning, M. Janson and C. Mordasini: SPOTS: Search for planets orbiting two stars A direct imaging survey for circumbinary planets. In: European Planetary Science Congress 2013, EPSC Abstracts **8**, id. EPSC2013-1020 (2pp) (2013 online)

Tollerud, E. J., P. E. Greenfield, T. P. Robitaille and A. Developers: The Astropy project: A community Python library for astrophysics. In: Astronomical Data Analysis Software and Systems XXII, (Ed.) Friedel, D. N. ASP Conf. Ser. **475**, ASP, 241-242 (2013)

Tremblay, P.-E., E. Schilbach, S. R  ser, S. Jordan, H.-G. Ludwig, B. Goldman, J. ski, G. Stachowski, P. Moskalik and K. Bajan: White dwarfs escaping from the Hyades. In: 18th European White Dwarf Workshop (Eds.) Krzesi  ski, J., G. Stachowski, P. Moskalik, K. Bajan. ASP Conf. Ser. **469**, ASP, 105-108 (2013)

Usuda, T., O. Krause, M. Tanaka, T. Hattori, M. Goto, S. M. Birkmann, K. Nomoto, M. Orio and M. Moe: Light-echo spectrum reveals the type of Tycho Brahe's 1572 supernova. In: Binary Paths to Type Ia Supernovae Explosions, (Ed.) Di Stefano, R. IAU Symp. **281**, Cambridge Univ. Press, 335-336 (2013)

von Braun, K., T. S. Boyajian and G. T. van Belle: Predicting Stellar Angular Sizes. In: Setting a New Standard in the Analysis of Binary Stars (Ed.) Pavlovski, K. EAS Publications Series **64**, EDP Sciences 429-430 (2013)

Zhai, C., G. Vasishth, M. Shao, T. Lockhart, E. Cady, B. Oppenheimer, R. Burruss, J. Roberts, C. Beichman, D. Brenner, J. Crepp, R. Dekany, L. Hillenbrand, S. Hinkley, I. Parry, L. Pueyo, E. Rice, L. C. Roberts, A. Sivaramakrishnan, R. Soummer, H. Tang, F. Vescelus, K. Wallace and N. Zimmerman: Estimate low- and high-order wavefront using P1640 calibrator measurements. In: Techniques and Instrumentation for Detection of Exoplanets VI, (Ed.) Shaklan, S. SPIE **8864**, SPIE, id. 88640L (9 pp) (2013)

[top](#)

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Planetens- und Sternentstehung/ *Planet and Star Formation (2013)*

Invited papers and reviews:

Henning, T. and D. Semenov: Chemistry in protoplanetary disks. Chemical Reviews **113**, 9016-9042 (2013)

Steinacker, J., M. Baes and K. D. Gordon: Three-dimensional dust radiative transfer. In: Annual Review of Astronomy and Astrophysics, Vol. 51, (Eds.) Faber, S. M., E. van Dishoeck, J. Kormendy. Annual Reviews Inc. , Palo Alto, Calif. 2013, 63-104

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Letzte Änderung / Last updated: 13. Februar 2015

[!\[\]\(b6caec9f099fb8657f94ea092216c378_img.jpg\) Übersicht / Summary](#)

Planeten- und Sternentstehung/ Planet and Star Formation (2013)

Conference Proceedings & Books

Lemke, D. H.: Die Astronomische Gesellschaft 1863-2013 Astronomische Gesellschaft
Heidelberg 2013

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[!\[\]\(a2f9594c2c856a03df90ec4016df4a10_img.jpg\) Übersicht / Summary](#)

Planeten- und Sternentstehung/ *Planet and Star Formation (2013)*

Popular Papers:

Brandner, W.: Die Pan-STARRS-Durchmusterung Sterne und Weltraum **2013,1**, 36-42 (2013)

Henning, T.: Aus Staub geboren. Spektrum der Wissenschaft **6**, 42-52 (2013)

Henning, T.: Die letzten 25 Jahre – ein goldenes Zeitalter der beobachtenden Astronomie. In: Die Astronomische Gesellschaft 1863 – 2013, (Ed.) Lemke, D. Astronomische Gesellschaft Heidelberg 2013, 171-185

Kaltenegger, L.: Faszinierende Neue Welten. Spektrum der Wissenschaft **7**, 58-66 (2013)

Kaltenegger, L.: Exoplaneten – eine Spurensuche. Sterne und Weltraum **2013,9**, 46-55 (2013)

Launhardt, R.: Das wechselhafte Leben der Sterne. Spektrum der Wissenschaft **8**, 46-56 (2013)

Lemke, D.: Wie die Astronomie in die Max-Planck-Gesellschaft kam. In: Die Astronomische Gesellschaft 1863 – 2013, (Ed.) Lemke, D. Astronomische Gesellschaft Heidelberg 2013, 63-101

Lemke, D.: Etwas anderes als Astronom kann man eigentlich gar nicht werden... Sterne und Weltraum **2013,7**, 40-51 (2013)

Lemke, D. and K. Mattila: Nobelpreis für einen AG-Vorsitzenden? In: Die Astronomische Gesellschaft 1863 – 2013, (Ed.) Lemke, D. Astronomische Gesellschaft Heidelberg 2013, 53-59

[top](#)

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