

## Galaxien und Kosmologie / Galaxies and Cosmology (2017)

### Refereed Papers

*Adibekyan, V., E. Delgado-Mena, S. Feltzing, J. I. González Hernández, N. R. Hinkel, A. J. Korn, M. Asplund, P. G. Beck, M. Deal, B. Gustafsson, S. Honda, K. Lind, P. E. Nissen and L. Spina: Sun-like stars unlike the Sun: Clues for chemical anomalies of cool stars.* Astronomische Nachrichten **338**, 442–452 (2017)

*Ahn, C. P., A. C. Seth, M. den Brok, J. Strader, H. Baumgardt, R. van den Bosch, I. Chilingarian, M. Frank, M. Hilker, R. McDermid, S. Mieske, A. J. Romanowsky, L. Spitler, J. Brodie, N. Neumayer and J. L. Walsh: Detection of supermassive blackholes in two Virgo ultracompact dwarf galaxies.* The Astrophysical Journal **839**, id. 72 (15 pp) (2017)

*Albareti, F. D., C. Allende Prieto, A. Almeida, F. Anders, S. Anderson, B. H. Andrews, A. Aragón-Salamanca, M. Argudo-Fernández, E. Armengaud, E. Aubourg, V. Avila-Reese, C. Badenes, S. Bailey, B. Barbuy, K. Barger, J. Barrera-Ballesteros, C. Bartosz, S. Basu, D. Bates, G. Battaglia, F. Baumgarten, J. Baur, J. Bautista, T. C. Beers, F. Belfiore, M. Bershadsky, S. Bertran de Lis, J. C. Bird, D. Bizyaev, G. A. Blanc, M. Blanton, M. Blomqvist, A. S. Bolton, J. Borissova, J. Bovy, W. Nielsen Brandt, J. Brinkmann, J. R. Brownstein, K. Bundy, E. Burtin, N. G. Busca, H. Orlando Camacho Chavez, M. Cano Díaz, M. Cappellari, R. Carrera, Y. Chen, B. Cherinka, E. Cheung, C. Chiappini, D. Chojnowski, C.-H. Chuang, H. Chung, R. F. Cirolini, N. Clerc, R. E. Cohen, J. M. Comerford, J. Comparat, J. Correa do Nascimento, M.-C. Cousinou, K. Covey, J. D. Crane, R. Croft, K. Cunha, J. Darling, J. W. Davidson, Jr., K. Dawson, L. Da Costa, G. Da Silva Ilha, A. Deconto Machado, T. Delubac, N. De Lee, A. De la Macorra, S. De la Torre, A. M. Diamond-Stanic, J. Donor, J. J. Downes, N. Drory, C. Du, H. Du Mas des Bourboux, T. Dwelly, G. Ebelke, A. Eigenbrot, D. J. Eisenstein, Y. P. Elsworth, E. Emsellem, M. Eracleous, S. Escoffier, M. L. Evans, J. Falcón-Baroso, X. Fan, G. Favole, E. Fernandez-Alvar, J. G. Fernandez-Trincado, D. Feuillet, S. W. Fleming, A. Font-Ribera, G. Freischlad, P. Frinchaboy, H. Fu, Y. Gao, R. A. Garcia, R. Garcia-Dias, D. A. Garcia-Hernández, A. E. Garcia Pérez, P. Gaulme, J. Ge, D. Geisler, B. Gillespie, H. Gil Marin, L. Girardi, D. Goddard, Y. Gomez Maqueo Chew, V. Gonzalez-Perez, K. Grabowski, P. Green, C. J. Grier, T. Grier, H. Guo, J. Guy, A. Hagen, M. Hall, P. Harding, R. E. Harley, S. Hasselquist, S. Hawley, C. R. Hayes, F. Hearty, S. Hekker, H. Hernandez Toledo, S. Ho, D. W. Hogg, K. Holley-Bockelmann, J. A. Holtzman, P. H. Holzer, J. Hu, D. Huber, T. A. Hutchinson, H. S. Hwang, H. J. Ibarra-Medel, I. I. Ivans, K. Ivory, K. Jaehnig, T. W. Jensen, J. A. Johnson, A. Jones, E. Jullo, T. Kallinger, K. Kinemuchi, D. Kirkby, M. Klaene, J.-P. Kneib, J. A. Kollmeier, I. Lacerna, R. R. Lane, D. Lang, P. Laurent, D. R. Law, A. Leauthaud, J.-M. Le Goff, C. Li, C. Li, N. Li, R. Li, F.-H. Liang, Y. Liang, M. Lima, L. Lin, L. Lin, Y.-T. Lin, C. Liu, D. Long, S. Lucatello, N. MacDonald, C. L. MacLeod, J. T. Mackereth, S. Mahadevan, M. A. Geimba Maia, R. Maiolino, S. R. Majewski, O. Malanushenko, V. Malanushenko, N. Dullius Mallmann, A. Manchado, C. Maraston, R. Marques-Chaves, I. Martinez Valpuesta, K. L. Masters, S. Mathur, I. D. McGreer, A. Merloni, M. R. Merrifield, S. Meszáros, A. Meza, A. Miglio, I. Minchev, K. Molaverdikhani, A. D. Montero-Dorta, B. Mosser, D. Muna, A. Myers, P. Nair, K. Nandra, M. Ness, J. A. Newman, R. C. Nichol, D. L. Nidever, C. Nitschelm, J. O'Connell, A. Oravetz, D. J. Oravetz, Z. Pace, N. Padilla, N. Palanque-Delabrouille, K. Pan, J. Parejko, I. Paris, C. Park, J. A. Peacock, S. Peirani, M. Pellejero-Ibanez, S. Penny, W. J. Percival, J. W. Percival, I. Perez-Fournon, P. Petitjean, M. Pieri, M. H. Pinsonneault, A. Pisani, F. Prada, A. Prakash, N. Price-Jones, M. J. Raddick, M. Rahman, A. Raichoor, S. Barboza Rembold, A. M. Reyna, J. Rich, H. Richstein, J. Ridl, R. A. Riffel, R. Riffel, H.-W. Rix, A. C. Robin, C. M. Rockosi, S. Rodríguez-Torres, T. S. Rodrigues, N. Roe, A. R. Lopes, C. Román-Zúñiga, A. J. Ross, G. Rossi, J. Ruan, R. Ruggeri, J. C. Runnoe, S. Salazar-Albornoz, M. Salvato, S. F. Sanchez, A. G. Sanchez, J. R. Sanchez-Gallego, B. X. Santiago, R. Schiavon, J. S. Schimoia, E. Schlaflay, D. J. Schlegel, D. P. Schneider, R. Schönrich, M. Schultheis, A. Schwope, H.-J. Seo, A. Serenelli, B. Sesar, Z. Shao, M. Shetrone, M. Shull, V. Silva Aguirre, M. F. Skrutskie, A. Slosar, M. Smith, V. V. Smith, J. Sobeck, G. Somers, D. Souto, D. V. Stark, K. G. Stassun, M. Steinmetz, D. Stello, T. Storch Bergmann, M. A. Strauss, A.*

*Streblyanska, G. S. Stringfellow, G. Suarez, J. Sun, M. Taghizadeh-Popp, B. Tang, C. Tao, J. Tayar, M. Tembe, D. Thomas, J. Tinker, R. Tojeiro, C. Tremonti, N. Troup, J. R. Trump, E. Unda-Sanzana, O. Valenzuela, R. Van den Bosch, M. Vargas-Magaña, J. A. Vazquez, S. Villanova, M. Vivek, N. Vogt, D. Wake, R. Walterbos, Y. Wang, E. Wang, B. A. Weaver, A.-M. Weijmans, D. H. Weinberg, K. B. Westfall, D. G. Whelan, E. Wilcots, V. Wild, R. A. Williams, J. Wilson, W. M. Wood-Vasey, D. Wylezalek, T. Xiao, R. Yan, M. Yang, J. E. Ybarra, C. Yeh, F.-T. Yuan, N. Zakamska, O. Zamora, G. Zasowski, K. Zhang, C. Zhao, G.-B. Zhao, Z. Zheng, Z.-M. Zhou, G. Zhu, J. C. Zinn and H. Zou:* The 13th Data Release of the Sloan Digital Sky Survey: First spectroscopic data from the SDSS-IV Survey mapping nearby galaxies at Apache Point Observatory. *The Astrophysical Journal Supplement Series* **233**, id. 25 (25 pp) (2017)

*Anders, F., C. Chiappini, T. S. Rodrigues, A. Miglio, J. Montalbán, B. Mosser, L. Girardi, M. Valentini, A. Noels, T. Morel, J. A. Johnson, M. Schultheis, F. Baudin, R. de Assis Peralta, S. Hekker, N. Themeßl, T. Kallinger, R. A. García, S. Mathur, A. Baglin, B. X. Santiago, M. Martig, I. Minchev, M. Steinmetz, L. N. da Costa, M. A. G. Maia, C. Allende Prieto, K. Cunha, T. C. Beers, C. Epstein, A. E. García Pérez, D. A. García-Hernández, P. Harding, J. Holtzman, S. R. Majewski, S. Mészáros, D. Nidever, K. Pan, M. Pinsonneault, R. P. Schiavon, D. P. Schneider, M. D. Shetrone, K. Stassun, O. Zamora and G. Zasowski:* Galactic archaeology with asteroseismology and spectroscopy: Red giants observed by CoRoT and APOGEE. *Astronomy and Astrophysics* **597**, id. A30 (27 pp) (2017)

*Askar, A., P. Bianchini, R. de Vita, M. Giersz, A. Hypki and S. Kamann:* MOCCA-SURVEY Database I: Is NGC 6535 a dark star cluster harbouring an IMBH? *Monthly Notices of the Royal Astronomical Society* **464**, 3090-3100 (2017)

*Azulay, R., J. C. Guirado, J. M. Marcaide, I. Martí-Vidal, E. Ros, E. Tognelli, F. Hormuth and J. L. Ortiz:* Young, active radio stars in the AB Doradus moving group. *Astronomy and Astrophysics* **602**, id. A57 (15 pp) (2017)

*Barcos-Muñoz, L., A. K. Leroy, A. S. Evans, J. Condon, G. C. Privon, T. A. Thompson, L. Armus, T. Díaz-Santos, J. M. Mazzarella, D. S. Meier, E. Momjian, E. J. Murphy, J. Ott, D. B. Sanders, E. Schinnerer, S. Stierwalt, J. A. Surace and F. Walter:* A 33 GHz survey of local major mergers: Estimating the sizes of the energetically dominant regions from high-resolution measurements of the radio continuum. *The Astrophysical Journal* **843**, id. 117 (27 pp) (2017)

*Barcos-Muñoz, L., A. K. Leroy, A. S. Evans, J. Condon, G. C. Privon, T. A. Thompson, L. Armus, T. Díaz-Santos, J. M. Mazzarella, D. S. Meier, E. Momjian, E. J. Murphy, J. Ott, D. B. Sanders, E. Schinnerer, S. Stierwalt, J. A. Surace and F. Walter:* Erratum: "A 33 GHz survey of local major mergers: Estimating the sizes of the energetically dominant regions from high-resolution measurements of the radio continuum" (2017, ApJ, 843, 117). *The Astrophysical Journal* **849**, id. 74 (4 pp) (2017)

*Barišić, I., A. L. Faisst, P. L. Capak, R. Pavesi, D. A. Riechers, N. Z. Scoville, K. Cooke, J. S. Kartaltepe, C. M. Casey and V. Smolčić:* Dust properties of C II detected  $z \sim 5.5$  galaxies: New HST/WFC3 near-IR observations. *The Astrophysical Journal* **845**, id. 41 (7 pp) (2017)

*Barišić, I., A. van der Wel, R. Bezanson, C. Pacifici, K. Noeske, J. C. Muñoz-Mateos, M. Franx, V. Smolčić, E. F. Bell, G. Brammer, J. Calhau, P. Chauké, P. G. van Dokkum, J. van Hout, A. Gallazzi, I. Labbé, M. V. Maseda, A. Muzzin, D. Sobral, C. Straatman and P.-F. Wu:* Stellar dynamics and star formation histories of  $z \sim 1$  radio-loud galaxies. *The Astrophysical Journal* **847**, id. 72 (9 pp) (2017)

*Barklem, P. S., Y. Osorio, D. V. Fursa, I. Bray, O. Zatsarinny, K. Bartschat and A. Jerkstrand:* Inelastic e+Mg collision data and its impact on modelling stellar and supernova spectra. *Astronomy and Astrophysics* **606**, id. A11 (7 pp) (2017)

*Barnes, A. T., S. N. Longmore, C. Battersby, J. Bally, J. M. D. Kruijssen, J. D. Henshaw and D. L. Walker:* Star formation rates and efficiencies in the Galactic Centre. *Monthly Notices of the Royal Astronomical Society* **469**, 2263-2285 (2017)

*Barnett, R., S. J. Warren, G. D. Becker, D. J. Mortlock, P. C. Hewett, R. G. McMahon, C. Simpson and B. P. Venemans:* Observations of the Lyman series forest towards the redshift 7.1 quasar ULAS J1120+0641. *Astronomy and Astrophysics* **601**, id. A16 (11 pp) (2017)

*Bautista, M. A., K. Lind and M. Bergemann:* Photoionization and electron impact excitation cross sections for Fe I. *Astronomy and Astrophysics* **606**, id. A127 (6 pp) (2017)

*Beccari, G., M. Bellazzini, L. Magrini, L. Coccato, G. Cresci, F. Fraternali, P. T. de Zeeuw, B. Husemann, R. Ibata, G. Battaglia, N. Martin, V. Testa, S. Perina and M. Correnti:* A very dark stellar system lost in Virgo: kinematics and metallicity of SECCO 1 with MUSE. *Monthly Notices of the Royal Astronomical Society* **465**, 2189-2197 (2017)

*Beccari, G., M. Bellazzini, L. Magrini, L. Coccato, G. Cresci, F. Fraternali, P. T. de Zeeuw, B. Husemann, R. Ibata, G. Battaglia, N. Martin, V. Testa, S. Perina and M. Correnti:* Erratum: A very dark stellar system lost in Virgo: kinematics and metallicity of SECCO 1 with MUSE. *Monthly Notices of the Royal Astronomical Society* **468**, 4254-4254 (2017)

*Bellini, A., P. Bianchini, A. L. Varri, J. Anderson, G. Piotto, R. P. van der Marel, E. Vesperini and L. L. Watkins:* Hubble Space Telescope Proper Motion (HSTPROMO) Catalogs of Galactic Globular Clusters. V. The rapid rotation of 47 Tuc traced and modeled in three dimensions. *The Astrophysical Journal* **844**, id. 167 (15 pp) (2017)

*Bensby, T., S. Feltzing, A. Gould, J. C. Yee, J. A. Johnson, M. Asplund, J. Meléndez, S. Lucatello, L. M. Howes, A. McWilliam, A. Udalski, M. K. Szymański, I. Soszyński, R. Poleski, Ł. Wyrzykowski, K. Ulaczyk, S. Kozłowski, P. Pietrukowicz, J. Skowron, P. Mróz, M. Pawlak, F. Abe, Y. Asakura, A. Bhattacharya, I. A. Bond, D. P. Bennett, Y. Hirao, M. Nagakane, N. Koshimoto, T. Sumi, D. Suzuki and P. J. Tristram:* Chemical evolution of the Galactic bulge as traced by microlensed dwarf and subgiant stars. VI. Age and abundance structure of the stellar populations in the central sub-kpc of the Milky Way. *Astronomy and Astrophysics* **605**, id. A89 (34 pp) (2017)

*Berg, T. A. M., S. L. Ellison, J. X. Prochaska, R. Sánchez-Ramírez, S. Lopez, V. D'Odorico, G. Becker, L. Christensen, G. Cupani, K. Denney and G. Worseck:* On the selection of damped Lyman α systems using Mg II absorption at  $2 < z_{\text{abs}} < 4$ . *Monthly Notices of the Royal Astronomical Society* **464**, L56-L60 (2017)

*Bergemann, M., R. Collet, A. M. Amarsi, M. Kovalev, G. Ruchti and Z. Magic:* Non-local thermodynamic equilibrium stellar spectroscopy with 1D and <3D> models. I. Methods and application to magnesium abundances in standard stars. *The Astrophysical Journal* **847**, id. 15 (19 pp) (2017)

*Bergemann, M., R. Collet, R. Schönrich, R. Andrae, M. Kovalev, G. Ruchti, C. J. Hansen and Z. Magic:* Non-local thermodynamic equilibrium stellar spectroscopy with 1D and >3D< models. II. Chemical properties of the galactic metal-poor disk and the halo. *The Astrophysical Journal* **847**, id. 16 (12 pp) (2017)

*Beuther, H., S. Meidt, E. Schinnerer, R. Paladino and A. Leroy:* Interactions of the Galactic bar and spiral arm in NGC 3627. *Astronomy and Astrophysics* **597**, id. A85 (14 pp) (2017)

*Beygu, B., R. F. Peletier, J. M. v. d. Hulst, T. H. Jarrett, K. Kreckel, R. v. d. Weygaert, J. H. van Gorkom and M. A. Aragon-Calvo:* The void galaxy survey: photometry, structure and identity of void galaxies. *Monthly Notices of the Royal Astronomical Society* **464**, 666-679 (2017)

*Bianchini, P., A. Sills, G. van de Ven and A. C. Sippel:* The relation between the mass-to-light ratio and the relaxation state of globular clusters. *Monthly Notices of the Royal Astronomical Society* **469**, 4359-4369 (2017)

*Blanton, M. R., M. A. Bershady, B. Abolfathi, F. D. Albareti, C. Allende Prieto, A. Almeida, J. Alonso-García, F. Anders, S. F. Anderson, B. Andrews, E. Aquino-Ortíz, A. Aragón-Salamanca, M. Argudo-Fernández, E. Armengaud, E. Aubourg, V. Avila-Reese, C. Badenes, S. Bailey, K. A. Barger, J. Barrera-Ballesteros, C. Bartosz, D. Bates, F. Baumgarten, J. Bautista, R. Beaton, T.*

*C. Beers, F. Belfiore, C. F. Bender, A. A. Berlind, M. Bernardi, F. Beutler, J. C. Bird, D. Bizyaev, G. A. Blanc, M. Blomqvist, A. S. Bolton, M. Boquien, J. Borissova, R. van den Bosch, J. Bovy, W. N. Brandt, J. Brinkmann, J. R. Brownstein, K. Bundy, A. J. Burgasser, E. Burtin, N. G. Busca, M. Cappellari, M. L. Delgado Carigi, J. K. Carlberg, A. Carnero Rosell, R. Carrera, N. J. Chanover, B. Cherinka, E. Cheung, Y. Gómez Maqueo Chew, C. Chiappini, P. Doohyun Choi, D. Chojnowski, C.-H. Chuang, H. Chung, R. F. Cirolini, N. Clerc, R. E. Cohen, J. Comparat, L. da Costa, M.-C. Cousinou, K. Covey, J. D. Crane, R. A. C. Croft, I. Cruz-Gonzalez, D. Garrido Cuadra, K. Cunha, G. J. Damke, J. Darling, R. Davies, K. Dawson, A. de la Macorra, F. Dell'Agli, N. De Lee, T. Delubac, F. Di Mille, A. Diamond-Stanic, M. Cano-Díaz, J. Donor, J. José Downes, N. Drory, H. du Mas des Bourboux, C. J. Duckworth, T. Dwelly, J. Dyer, G. Ebelke, A. D. Eigenbrot, D. J. Eisenstein, E. Emsellem, M. Eracleous, S. Escoffier, M. L. Evans, X. Fan, E. Fernández-Alvar, J. G. Fernandez-Trincado, D. K. Feuillet, A. Finoguenov, S. W. Fleming, A. Font-Ribera, A. Fredrickson, G. Freischlad, P. M. Frinchaboy, C. E. Fuentes, L. Galbany, R. García-Díaz, D. A. García-Hernández, P. Gaulme, D. Geisler, J. D. Gelfand, H. Gil-Marín, B. A. Gillespie, D. Goddard, V. Gonzalez-Perez, K. Grabowski, P. J. Green, C. J. Grier, J. E. Gunn, H. Guo, J. Guy, A. Hagen, C. Hahn, M. Hall, P. Harding, S. Hasselquist, S. L. Hawley, F. Hearty, J. I. González Hernández, S. Ho, D. W. Hogg, K. Holley-Bockelmann, J. A. Holtzman, P. H. Holzer, J. Huehnerhoff, T. A. Hutchinson, H. S. Hwang, H. J. Ibarra-Medel, G. da Silva Ilha, I. I. Ivans, K. Ivory, K. Jackson, T. W. Jensen, J. A. Johnson, A. Jones, H. Jönsson, E. Jullo, V. Kamble, K. Kinemuchi, D. Kirkby, F.-S. Kitaura, M. Klaene, G. R. Knapp, J.-P. Kneib, J. A. Kollmeier, I. Lacerna, R. R. Lane, D. Lang, D. R. Law, D. Lazarz, Y. Lee, J.-M. Le Goff, F.-H. Liang, C. Li, H. Li, J. Lian, M. Lima, L. Lin, Y.-T. Lin, S. Bertran de Lis, C. Liu, M. A. C. de Icaza Lizaola, D. Long, S. Lucatello, B. Lundgren, N. K. MacDonald, A. Deconto Machado, C. L. MacLeod, S. Mahadevan, M. A. Geimba Maia, R. Maiolino, S. R. Majewski, E. Malanushenko, V. Malanushenko, A. Manchado, S. Mao, C. Maraston, R. Marques-Chaves, T. Masseron, K. L. Masters, C. K. McBride, R. M. McDermid, B. McGrath, I. D. McGreer, N. Medina Peña, M. Melendez, A. Merloni, M. R. Merrifield, S. Meszaros, A. Meza, I. Minchev, D. Minniti, T. Miyaji, S. More, J. Mulchaey, F. Müller-Sánchez, D. Muna, R. R. Munoz, A. D. Myers, P. Nair, K. Nandra, J. Correa do Nascimento, A. Negrete, M. Ness, J. A. Newman, R. C. Nichol, D. L. Nidever, C. Nitschelm, P. Ntelis, J. E. O'Connell, R. J. Oelkers, A. Oravetz, D. Oravetz, Z. Pace, N. Padilla, N. Palanque-Delabrouille, P. Alonso Palicio, K. Pan, J. K. Parejko, T. Parikh, I. Pâris, C. Park, A. Y. Patten, S. Peirani, M. Pellejero-Ibanez, S. Penny, W. J. Percival, I. Perez-Fournon, P. Petitjean, M. M. Pieri, M. Pinsonneault, A. Pisani, R. Poleski, F. Prada, A. Prakash, A. B. d. A. Queiroz, M. J. Raddick, A. Raichoor, S. Barboza Rembold, H. Richstein, R. A. Riffel, R. Riffel, H.-W. Rix, A. C. Robin, C. M. Rockosi, S. Rodríguez-Torres, A. Roman-Lopes, C. Román-Zúñiga, M. Rosado, A. J. Ross, G. Rossi, J. Ruan, R. Ruggeri, E. S. Rykoff, S. Salazar-Albornoz, M. Salvato, A. G. Sánchez, D. S. Aguado, J. R. Sánchez-Gallego, F. A. Santana, B. X. Santiago, C. Sayres, R. P. Schiavon, J. da Silva Schimoia, E. F. Schlaflay, D. J. Schlegel, D. P. Schneider, M. Schultheis, W. J. Schuster, A. Schwone, H.-J. Seo, Z. Shao, S. Shen, M. Shetrone, M. Shull, J. D. Simon, D. Skinner, M. F. Skrutskie, A. Slosar, V. V. Smith, J. S. Sobeck, F. Sobreira, G. Somers, D. Souto, D. V. Stark, K. Stassun, F. Stauffer, M. Steinmetz, T. Storchi-Bergmann, A. Streblowska, G. S. Stringfellow, G. Suárez, J. Sun, N. Suzuki, L. Szigeti, M. Taghizadeh-Popp, B. Tang, C. Tao, J. Tayar, M. Tembe, J. Teske, A. R. Thakar, D. Thomas, B. A. Thompson, J. L. Tinker, P. Tissera, R. Tojeiro, H. Hernandez Toledo, S. de la Torre, C. Tremonti, N. W. Troup, O. Valenzuela, I. Martínez Valpuesta, J. Vargas-González, M. Vargas-Magaña, J. A. Vazquez, S. Villanova, M. Vivek, N. Vogt, D. Wake, R. Walterbos, Y. Wang, B. A. Weaver, A.-M. Weijmans, D. H. Weinberg, K. B. Westfall, D. G. Whelan, V. Wild, J. Wilson, W. M. Wood-Vasey, D. Wylezalek, T. Xiao, R. Yan, M. Yang, J. E. Ybarra, C. Yèche, N. Zakamska, O. Zamora, P. Zarrouk, G. Zasowski, K. Zhang, G.-B. Zhao, Z. Zheng, X. Zhou, Z.-M. Zhou, G. B. Zhu, M. Zoccali and H. Zou: Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. The Astronomical Journal **154**, id. 28 (35 pp) (2017)*

*Boardman, N. F., A.-M. Weijmans, R. van den Bosch, H. Kuntschner, E. Emsellem, M. Cappellari, T. de Zeeuw, J. Falcón-Baroso, D. Krajnović, R. McDermid, T. Naab, G. van de Ven and A. Yıldırım: Integral-field kinematics and stellar populations of early-type galaxies out to three half-light radii. Monthly Notices of the Royal Astronomical Society **471**, 4005-4026 (2017)*

*Boehm, M., J.-U. Pott, M. Kuerster, O. Sawodny, D. Defrere and P. Hinz: Delay compensation for real time disturbance estimation at extremely large telescopes. IEEE Transactions on Control Systems Technology **25**, 1384-1393 (2017)*

*Böhm, M., M. Glück, A. Keck, J.-U. Pott and O. Sawodny:* Improving the performance of interferometric imaging through the use of disturbance feedforward. *Journal of the Optical Society of America A* **34**, A10-A21 (2017)

*Böhringer, H., G. Chon, J. Retzlaff, J. Trümper, K. Meisenheimer and N. Schartel:* The Extended Northern ROSAT Galaxy Cluster Survey (NORAS II). I. Survey construction and first results. *The Astronomical Journal* **153**, id. 220 (11 pp) (2017)

*Bolatto, A. D., T. Wong, D. Utomo, L. Blitz, S. N. Vogel, S. F. Sánchez, J. Barrera-Ballesteros, Y. Cao, D. Colombo, H. Dannerbauer, R. García-Benito, R. Herrera-Camus, B. Husemann, V. Kalinova, A. K. Leroy, G. Leung, R. C. Levy, D. Mast, E. Ostriker, E. Rosolowsky, K. M. Sandstrom, P. Teuben, G. van de Ven and F. Walter:* The EDGE-CALIFA survey: Interferometric observations of 126 galaxies with CARMA. *The Astrophysical Journal* **846**, id. 159 (46 pp) (2017)

*Bonato, M., M. Negrello, C. Mancuso, G. De Zotti, P. Ciliegi, Z.-Y. Cai, A. Lapi, M. Massardi, A. Bonaldi, A. Sajina, V. Smolčić and E. Schinnerer:* Does the evolution of the radio luminosity function of star-forming galaxies match that of the star formation rate function? *Monthly Notices of the Royal Astronomical Society* **469**, 1912-1923 (2017)

*Bosman, S. E. I., G. D. Becker, M. G. Haehnelt, P. C. Hewett, R. G. McMahon, D. J. Mortlock, C. Simpson and B. P. Venemans:* A deep search for metals near redshift 7: the line of sight towards ULAS J1120+0641. *Monthly Notices of the Royal Astronomical Society* **470**, 1919-1934 (2017)

*Boyce, H., N. Lützgendorf, R. P. van der Marel, H. Baumgardt, M. Kissler-Patig, N. Neumayer and P. T. de Zeeuw:* An upper limit on the mass of a central black hole in the Large Magellanic Cloud from the stellar rotation field. *The Astrophysical Journal* **846**, id. 14 (10 pp) (2017)

*Brisbin, D., O. Miettinen, M. Aravena, V. Smolčić, I. Delvecchio, C. Jiang, B. Magnelli, M. Albrecht, A. M. Arancibia, H. Aussel, N. Baran, F. Bertoldi, M. Béthermin, P. Capak, C. M. Casey, F. Civano, C. C. Hayward, O. Ilbert, A. Karim, O. Le Fevre, S. Marchesi, H. J. McCracken, F. Navarrete, M. Novak, D. Riechers, N. Padilla, M. Salvato, K. Scott, E. Schinnerer, K. Sheth and L. Tasca:* An ALMA survey of submillimeter galaxies in the COSMOS field: Multiwavelength counterparts and redshift distribution. *Astronomy and Astrophysics* **608**, id. A15 (43 pp) (2017)

*Britzen, S., C. Fendt, A. Eckart and V. Karas:* A new view on the M 87 jet origin: Turbulent loading leading to large-scale episodic wiggling. *Astronomy and Astrophysics* **601**, id. A52 (17 pp) (2017)

*Britzen, S., S.-J. Qian, W. Steffen, E. Kun, M. Karouzos, L. Gergely, J. Schmidt, M. Aller, H. Aller, M. Krause, C. Fendt, M. Böttcher, A. Witzel, A. Eckart and L. Moser:* A swirling jet in the quasar 1308+326. *Astronomy and Astrophysics* **602**, id. A29 (27 pp) (2017)

*Buck, T., A. V. Macciò, A. Obreja, A. A. Dutton, R. Domínguez-Tenreiro and G. L. Granato:* NIHAO XIII: Clumpy discs or clumpy light in high-redshift galaxies? *Monthly Notices of the Royal Astronomical Society* **468**, 3628-3649 (2017)

*Caffau, E., P. Bonifacio, E. Starkenburg, N. Martin, K. Youakim, A. A. Henden, J. I. González Hernández, D. S. Aguado, C. A. Prieto, K. Venn and P. Jablonka:* The Pristine survey II: A sample of bright stars observed with FEROS. *Astronomische Nachrichten* **338**, 686-695 (2017)

*Carrasco, M., L. F. Barrientos, T. Anguita, C. García-Vergara, M. Bayliss, M. Gladders, D. Gilbank, H. K. C. Yee and M. West:* VLT/Magellan spectroscopy of 29 strong lensing selected galaxy clusters. *The Astrophysical Journal* **834**, id. 210 (22 pp) (2017)

*Casey, A. R., K. Hawkins, D. W. Hogg, M. Ness, H.-W. Rix, G. Kordopatis, A. Kunder, M. Steinmetz, S. Koposov, H. Enke, J. Sanders, G. Gilmore, T. Zwitter, K. C. Freeman, L.*

*Casagrande, G. Matijević, G. Seabroke, O. Bienaymé, J. Bland-Hawthorn, B. K. Gibson, E. K. Grebel, A. Helmi, U. Munari, J. F. Navarro, W. Reid, A. Siebert and R. Wyse:* The RAVE-on Catalog of stellar atmospheric parameters and chemical abundances for chemo-dynamic studies in the Gaia era. *The Astrophysical Journal* **840**, id. 59 (19 pp) (2017)

*Chakrabarti, S., R. Angeloni, K. Freeman, B. Sargent, J. D. Simon, P. Konorski, W. Gieren, B. Sesar, A. Lipnicky, L. Blitz, G. Basri, W. Vacca, M. Marengo, P. Guhathakurta, A. Quillen and P. Chang:* Discovery of a group of receding, variable halo stars toward Norma. *The Astrophysical Journal* **844**, id. 159 (9 pp) (2017)

*Chandar, R., L.-H. Chien, S. Meidt, M. Querejeta, C. Dobbs, E. Schinnerer, B. C. Whitmore, D. Calzetti, D. Dinino, R. C. Kennicutt and M. Regan:* Clues to the formation of spiral structure in M51 from the ages and locations of star clusters. *The Astrophysical Journal* **845**, id. 78 (12 pp) (2017)

*Chen, C.-C., J. A. Hodge, I. Smail, A. M. Swinbank, F. Walter, J. M. Simpson, G. Calistro Rivera, F. Bertoldi, W. N. Brandt, S. C. Chapman, E. da Cunha, H. Dannerbauer, C. De Breuck, C. M. Harrison, R. J. Ivison, A. Karim, K. K. Knudsen, J. L. Wardlow, A. Weiß and P. P. van der Werf:* A spatially resolved study of cold dust, molecular gas, H ii regions, and stars in the  $z = 2.12$  submillimeter galaxy ALESS67.1. *The Astrophysical Journal* **846**, id. 108 (15 pp) (2017)

*Chen, S.-F. S., R. A. Simcoe, P. Torrey, E. Bañados, K. Cooksey, T. Cooper, G. Furesz, M. Matejek, D. Miller, M. Turner, B. Venemans, R. Decarli, E. P. Farina, C. Mazzucchelli and F. Walter:* Mg II absorption at  $2 < z < 7$  with Magellan/Fire. III. Full statistics of absorption toward 100 high-redshift QSOs. *The Astrophysical Journal* **850**, id. 188 (25 pp) (2017)

*Chisholm, J., I. Orlitová, D. Schaerer, A. Verhamme, G. Worseck, Y. I. Izotov, T. X. Thuan and N. G. Guseva:* Do galaxies that leak ionizing photons have extreme outflows? *Astronomy and Astrophysics* **605**, id. A67 (19 pp) (2017)

*Christensen, L., S. D. Vergani, S. Schulze, N. Annau, J. Selsing, J. P. U. Fynbo, A. de Ugarte Postigo, R. Cañameras, S. Lopez, D. Passi, P. Cortés-Zuleta, S. L. Ellison, V. D'Odorico, G. Becker, T. A. M. Berg, Z. Cano, S. Covino, G. Cupani, V. D'Elia, P. Goldoni, A. Gomboc, F. Hammer, K. E. Heintz, P. Jakobsson, J. Japelj, L. Kaper, D. Malesani, P. Møller, P. Petitjean, V. Pugliese, R. Sánchez-Ramírez, N. R. Tanvir, C. C. Thöne, M. Vestergaard, K. Wiersema and G. Worseck:* Solving the conundrum of intervening strong Mg II absorbers towards gamma-ray bursts and quasars. *Astronomy and Astrophysics* **608**, id. A84 (10 pp) (2017)

*Chua, K. T. E., A. Pillepich, V. Rodriguez-Gomez, M. Vogelsberger, S. Bird and L. Hernquist:* Subhalo demographics in the Illustris simulation: effects of baryons and halo-to-halo variation. *Monthly Notices of the Royal Astronomical Society* **472**, 4343-4360 (2017)

*Chung, S.-J., W. Zhu, A. Udalski, C.-U. Lee, Y.-H. Ryu, Y. K. Jung, I.-G. Shin, J. C. Yee, K.-H. Hwang, A. Gould, and, M. Albrow, S.-M. Cha, C. Han, D.-J. Kim, H.-W. Kim, S.-L. Kim, Y.-H. Kim, Y. Lee, B.-G. Park, R. W. Pogge, T. K. Collaboration, R. Poleski, P. Mróz, P. Pietrukowicz, J. Skowron, M. K. Szymański, I. Soszyński, S. Kozłowski, K. Ulaczyk, M. Pawlak, T. O. Collaboration, C. Beichman, G. Bryden, S. Calchi Novati, S. Carey, M. Fausnaugh, B. S. Gaudi, C. B. Henderson, Y. Shvartzvald, B. Wibking and T. S. Team:* OGLE-2015-BLG-1482L: The first isolated low-mass microlens in the Galactic bulge. *The Astrophysical Journal* **838**, id. 154 (15 pp) (2017)

*Clementini, G., L. Eyer, V. Ripepi, M. Marconi, T. Muraveva, A. Garofalo, L. M. Sarro, M. Palmer, X. Luri, R. Molinaro, L. Rimoldini, L. Szabados, I. Musella, R. I. Anderson, T. Prusti, J. H. J. de Bruijne, A. G. A. Brown, A. Vallenari, C. Babusiaux, C. A. L. Bailer-Jones, U. Bastian, M. Biermann, D. W. Evans, F. Jansen, C. Jordi, S. A. Klioner, U. Lammers, L. Lindegren, F. Mignard, C. Panem, D. Pourbaix, S. Randich, P. Sartoretti, H. I. Siddiqui, C. Soubiran, V. Valette, F. van Leeuwen, N. A. Walton, C. Aerts, F. Arenou, M. Cropper, R. Drimmel, E. Hög, D. Katz, M. G. Lattanzi, W. O'Mullane, E. K. Grebel, A. D. Holland, C. Huc, X. Passot, M. Perryman, L. Bramante, C. Cacciari, J. Castañeda, L. Chaoul, N. Cheek, F. De Angeli, C. Fabricius, R. Guerra, J. Hernández, A. Jean-Antoine-Piccolo, E. Masana, R. Messineo, N. Mowlavi, K. Nienartowicz, D. Ordóñez-Blanco, P. Panuzzo, J. Portell, P. J. Richards, M. Riello,*

*G. M. Seabroke, P. Tanga, F. Thévenin, J. Torra, S. G. Els, G. Gracia-Abril, G. Comoretto, M. Garcia-Reinaldos, T. Lock, E. Mercier, M. Altmann, R. Andrae, T. L. Astraatmadja, I. Bellas-Velidis, K. Benson, J. Berthier, R. Blomme, G. Busso, B. Carry, A. Cellino, S. Cowell, O. Creevey, J. Cuypers, M. Davidson, J. De Ridder, A. de Torres, L. Delchambre, A. Dell'Oro, C. Ducourant, Y. Frémat, M. García-Torres, E. Gosset, J.-L. Halbwachs, N. C. Hambly, D. L. Harrison, M. Hauser, D. Hestroffer, S. T. Hodgkin, H. E. Huckle, A. Hutton, G. Jasniewicz, S. Jordan, M. Kontizas, A. J. Korn, A. C. Lanzafame, M. Manteiga, A. Moitinho, K. Muinonen, J. Osinde, E. Pancino, T. Pauwels, J.-M. Petit, A. Recio-Blanco, A. C. Robin, C. Siopis, M. Smith, K. W. Smith, A. Sozzetti, W. Thuillot, W. van Reeven, Y. Viala, U. Abbas, A. Abreu Aramburu, S. Accart, J. J. Aguado, P. M. Allan, W. Allasia, G. Altavilla, M. A. Álvarez, J. Alves, A. H. Andrei, E. Anglada Varela, E. Antiche, T. Antoja, S. Antón, B. Arcay, N. Bach, S. G. Baker, L. Balaguer-Núñez, C. Barache, C. Barata, A. Barbier, F. Barblan, D. Barrado y Navascués, M. Barros, M. A. Barstow, U. Becciani, M. Bellazzini, A. Bello García, V. Belokurov, P. Bendjoya, A. Berihuete, L. Bianchi, O. Bienaymé, F. Billebaud, N. Blagorodnova, S. Blanco-Cuaresma, T. Boch, A. Bombrun, R. Borrachero, S. Bouquillon, G. Bourda, A. Bragaglia, M. A. Breddels, N. Brouillet, T. Brüsemeister, B. Bucciarelli, P. Burgess, R. Burgon, A. Burlacu, D. Busonero, R. Buzzi, E. Caffau, J. Cambras, H. Campbell, R. Cancelliere, T. Cantat-Gaudin, T. Carlucci, J. M. Carrasco, M. Castellani, P. Charlot, J. Charnas, A. Chiavassa, M. Clotet, G. Cocozza, R. S. Collins, G. Costigan, F. Crifo, N. J. G. Cross, M. Crosta, C. Crowley, C. Dafonte, Y. Damerdji, A. Dapergolas, P. David, M. David, P. De Cat, F. de Felice, P. de Laverny, F. De Luise, R. De March, R. de Souza, J. Debosscher, E. del Pozo, M. Delbo, A. Delgado, H. E. Delgado, P. Di Matteo, S. Diakite, E. Distefano, C. Dolding, S. Dos Anjos, P. Drazinos, J. Durán, Y. Dzigan, B. Edvardsson, H. Enke, N. W. Evans, G. Eynard Bontemps, C. Fabre, M. Fabrizio, A. J. Falcão, M. Farràs Casas, L. Federici, G. Fedorets, J. Fernández-Hernández, P. Fernique, A. Fienga, F. Figueiras, F. Filippi, K. Findeisen, A. Fonti, M. Fouesneau, E. Fraile, M. Fraser, J. Fuchs, M. Gai, S. Galleti, L. Galluccio, D. Garabato, F. García-Sedano, N. Garralda, P. Gavras, J. Gerssen, R. Geyer, G. Gilmore, S. Girona, G. Giuffrida, M. Gomes, A. González-Marcos, J. González-Núñez, J. J. González-Vidal, M. Granvik, A. Guerrier, P. Guillout, J. Guiraud, A. Gúrpide, R. Gutiérrez-Sánchez, L. P. Guy, R. Haigron, D. Hatzidimitriou, M. Haywood, U. Heiter, A. Helmi, D. Hobbs, W. Hofmann, B. Holl, G. Holland, J. A. S. Hunt, A. Hypki, V. Icardi, M. Irwin, G. Jevardat de Fombelle, P. Jofré, P. G. Jonker, A. Jorissen, F. Julbe, A. Karampelas, A. Kochoska, R. Kohley, K. Kolenberg, E. Kontizas, S. E. Koposov, G. Kordopatis, P. Koubsky, A. Krone-Martins, M. Kudryashova, R. K. Bachchan, F. Lacoste-Seris, A. F. Lanza, J.-B. Lavigne, C. Le Poncin-Lafitte, Y. Lebreton, T. Lebzelter, S. Leccia, N. Leclerc, I. Lecoeur-Taibi, V. Lemaitre, H. Lenhardt, F. Leroux, S. Liao, E. Licata, H. E. P. Lindstrøm, T. A. Lister, E. Livanou, A. Lobel, W. Löfller, M. López, D. Lorenz, I. MacDonald, T. Magalhães Fernandes, S. Managau, R. G. Mann, G. Mantelet, O. Marchal, J. M. Marchant, S. Marinoni, P. M. Marrese, G. Marschalkó, D. J. Marshall, J. M. Martín-Fleitas, M. Martino, N. Mary, G. Matijević, P. J. McMillan, S. Messina, D. Michalik, N. R. Millar, B. M. H. Miranda, D. Molina, M. Molinaro, L. Molnár, M. Moniez, P. Montegriffo, R. Mor, A. Mora, R. Morbidelli, T. Morel, S. Morgenthaler, D. Morris, A. F. Mulone, J. Narbonne, G. Nelemans, L. Nicastro, L. Noval, C. Ordénovic, J. Ordieres-Meré, P. Osborne, C. Paganí, I. Pagano, F. Pailler, H. Palacin, L. Palaversa, P. Parsons, M. Pecoraro, R. Pedrosa, H. Pentikäinen, B. Pichon, A. M. Piersimoni, F.-X. Pineau, E. Plachy, G. Plum, E. Poujoulet, A. Prša, L. Pulone, S. Ragaini, S. Rago, N. Rambaux, M. Ramos-Lerate, P. Ranalli, G. Rauw, A. Read, S. Regibo, C. Reylé, R. A. Ribeiro, A. Riva, G. Rixon, M. Roelens, M. Romero-Gómez, N. Rowell, F. Royer, L. Ruiz-Dern, G. Sadowski, T. Sagristà Sellés, J. Sahlmann, J. Salgado, E. Salguero, M. Sarasso, H. Savietto, M. Schultheis, E. Sciacca, M. Segol, J. C. Segovia, D. Segransan, I.-C. Shih, R. Smareglia, R. L. Smart, E. Solano, F. Solitro, R. Sordo, S. Soria Nieto, J. Souchay, A. Spagna, F. Spoto, U. Stampa, I. A. Steele, H. Steidelmüller, C. A. Stephenson, H. Stoev, F. F. Suess, M. Süveges, J. Surdej, E. Szegedi-Elek, D. Tapiador, F. Taris, G. Tauran, M. B. Taylor, R. Teixeira, D. Terrett, B. Tingley, S. C. Trager, C. Turon, A. Ulla, E. Utrilla, G. Valentini, A. van Elteren, E. Van Hemelryck, M. van Leeuwen, M. Varadi, A. Vecchiato, J. Veljanoski, T. Via, D. Vicente, S. Vogt, H. Voss, V. Votruba, S. Voutsinas, G. Walmsley, M. Weiler, K. Weingrill, T. Wevers, Ł. Wyrzykowski, A. Yoldas, M. Źerjal, S. Zucker, C. Zurbach, T. Zwitter, A. Alecu, M. Allen, C. Allende Prieto, A. Amorim, G. Anglada-Escudé, V. Arsenijevic, S. Azaz, P. Balm, M. Beck, H.-H. Bernstein, L. Bigot, A. Bijaoui, C. Blasco, M. Bonfigli, G. Bono, S. Boudreault, A. Bressan, S. Brown, P.-M. Brunet, P. Bunclarkt, R. Buonanno, A. G. Butkevich, C. Carret, C. Carrion, L. Chemin, F. Chéreau, L. Corcione, E. Darmigny, K. S. de Boer, P. de Teodoro, P. T. de Zeeuw, C. Delle Luche, C. D. Domingues, P. Dubath, F. Fodor, B. Frézouls, A. Fries, D. Fustes, D. Fyfe, E. Gallardo, J. Gallegos, D. Gardiol, M. Gebran, A. Gomboc, A. Gómez, E. Grux, A. Gueguen, A. Heyrovsky, J. Hoar, G. Iannicola, Y. Isasi Parache, A.-M.*

*Janotto, E. Joliet, A. Jonckheere, R. Keil, D.-W. Kim, P. Klagyivik, J. Klar, J. Knude, O. Kochukhov, I. Kolka, J. Kos, A. Kutka, V. Lainey, D. LeBouquin, C. Liu, D. Loreggia, V. V. Makarov, M. G. Marseille, C. Martayan, O. Martinez-Rubi, B. Massart, F. Meynadier, S. Mignot, U. Munari, A.-T. Nguyen, T. Nordlander, K. S. O'Flaherty, P. Ocvirk, A. Olias Sanz, P. Ortiz, J. Osorio, D. Oszkiewicz, A. Ouzounis, P. Park, E. Pasquato, C. Peltzer, J. Peralta, F. Péturaud, T. Pieniluoma, E. Pigozzi, J. Poelst, G. Prat, T. Prod'homme, F. Raison, J. M. Rebordao, D. Risquez, B. Rocca-Volmerange, S. Rosen, M. I. Ruiz-Fuertes, F. Russo, I. Serraller Vizcaino, A. Short, A. Siebert, H. Silva, D. Sinachopoulos, E. Slezak, M. Soffel, D. Sosnowska, V. Stražys, M. ter Linden, D. Terrell, S. Theil, C. Tiede, L. Troisi, P. Tsalmantza, D. Tur, M. Vaccari, F. Vachier, P. Valles, W. Van Hamme, L. Veltz, J. Virtanen, J.-M. Wallut, R. Wichmann, M. I. Wilkinson, H. Ziaeepour and S. Zschocke:* Gaia Data Release 1. Testing parallaxes with local Cepheids and RR Lyrae stars. *Astronomy and Astrophysics* **605**, id. A79 (29 pp) (2017)

*Coatman, L., P. C. Hewett, M. Banerji, G. T. Richards, J. F. Hennawi and J. X. Prochaska:* Correcting C IV-based virial black hole masses. *Monthly Notices of the Royal Astronomical Society* **465**, 2120-2142 (2017)

*Codoreanu, A., E. V. Ryan-Weber, N. H. M. Crighton, G. Becker, M. Pettini, P. Madau and B. Venemans:* The comoving mass density of Mg II from  $z \sim 2$  to 5.5. *Monthly Notices of the Royal Astronomical Society* **472**, 1023-1051 (2017)

*Cohen, J. G., B. Sesar, S. Bahnlözer, K. He, S. R. Kulkarni, T. A. Prince, E. Bellm and R. R. Laher:* The outer halo of the Milky Way as probed by RR Lyr variables from the Palomar Transient Facility. *The Astrophysical Journal* **849**, id. 150 (18 pp) (2017)

*Cole, A. A., D. R. Weisz, E. D. Skillman, R. Leaman, B. F. Williams, A. E. Dolphin, L. C. Johnson, A. W. McConnachie, M. Boylan-Kolchin, J. Dalcanton, F. Governato, P. Madau, S. Shen and M. Vogelsberger:* DDO 216-A1: A central globular cluster in a low-luminosity transition-type galaxy. *The Astrophysical Journal* **837**, id. 54 (12 pp) (2017)

*Croxall, K. V., J. D. Smith, E. Pellegrini, B. Groves, A. Bolatto, R. Herrera-Camus, K. M. Sandstrom, B. Draine, M. G. Wolfire, L. Armus, M. Boquien, B. Brandl, D. Dale, M. Galametz, L. Hunt, R. Kennicutt, Jr., K. Kreckel, D. Rigopoulou, P. van der Werf and C. Wilson:* The origins of [C II] emission in local star-forming galaxies. *The Astrophysical Journal* **845**, id. 96 (7 pp) (2017)

*Csépány, G., M. van den Ancker, P. Ábrahám, R. Köhler, W. Brandner, F. Hormuth and H. Hiss:* Multi-epoch observations with high spatial resolution of multiple T Tauri systems. *Astronomy and Astrophysics* **603**, id. A74 (28 pp) (2017)

*Cyganowski, C. J., C. L. Brogan, T. R. Hunter, R. Smith, J. M. D. Kruijssen, I. A. Bonnell and Q. Zhang:* Simultaneous low- and high-mass star formation in a massive protocluster: ALMA observations of G11.92-0.61. *Monthly Notices of the Royal Astronomical Society* **468**, 3694-3708 (2017)

*Daddi, E., S. Jin, V. Strazzullo, M. T. Sargent, T. Wang, C. Ferrari, E. Schinnerer, V. Smolčić, A. Calabro, R. Coogan, J. Delhaize, I. Delvecchio, D. Elbaz, R. Gobat, Q. Gu, D. Liu, M. Novak and F. Valentino:* Radio selection of the most distant galaxy clusters. *The Astrophysical Journal Letters* **846**, id. L31 (7 pp) (2017)

*Danielson, A. L. R., A. M. Swinbank, I. Smail, J. M. Simpson, C. M. Casey, S. C. Chapman, E. da Cunha, J. A. Hodge, F. Walter, J. L. Wardlow, D. M. Alexander, W. N. Brandt, C. de Breuck, K. E. K. Coppin, H. Dannerbauer, M. Dickinson, A. C. Edge, E. Gawiser, R. J. Ivison, A. Karim, A. Kovacs, D. Lutz, K. Menten, E. Schinnerer, A. Weiβ and P. van der Werf:* An ALMA survey of submillimeter galaxies in the Extended Chandra Deep Field South: Spectroscopic redshifts. *The Astrophysical Journal* **840**, id. 78 (22 pp) (2017)

*Davies, B., R.-P. Kudritzki, C. Lardo, M. Bergemann, E. Beasor, B. Plez, C. Evans, N. Bastian and L. R. Patrick:* Red supergiants as cosmic abundance probes: Massive star clusters in M83 and the mass-metallicity relation of nearby galaxies. *The Astrophysical Journal* **847**, id. 112 (9 pp) (2017)

*Davies, F. B., S. R. Furlanetto and K. L. Dixon:* A self-consistent 3D model of fluctuations in the helium-ionizing background. Monthly Notices of the Royal Astronomical Society **465**, 2886-2894 (2017)

*De Rosa, A., S. Bianchi, T. Bogdanović, R. Decarli, J. Heidt, R. Herrero-Illana, B. Husemann, S. Komossa, E. Kun, N. Loiseau, M. Guainazzi, Z. Paragi, M. Perez-Torres, E. Piconcelli, K. Schawinski and C. Vignali:* Unveiling multiple AGN activity in galaxy mergers. Astronomische Nachrichten **338**, 262-268 (2017)

*de Vita, R., M. Trenti, P. Bianchini, A. Askar, M. Giersz and G. van de Ven:* Prospects for detection of intermediate-mass black holes in globular clusters using integrated-light spectroscopy. Monthly Notices of the Royal Astronomical Society **467**, 4057-4066 (2017)

*Debattista, V. P., M. Ness, O. A. Gonzalez, K. Freeman, M. Zoccali and D. Minniti:* Separation of stellar populations by an evolving bar: implications for the bulge of the Milky Way. Monthly Notices of the Royal Astronomical Society **469**, 1587-1611 (2017)

*Decarli, R., F. Walter, B. P. Venemans, E. Bañados, F. Bertoldi, C. Carilli, X. Fan, E. P. Farina, C. Mazzucchelli, D. Riechers, H.-W. Rix, M. A. Strauss, R. Wang and Y. Yang:* Rapidly star-forming galaxies adjacent to quasars at redshifts exceeding 6. Nature **545**, 457-461 (2017)

*Dekel, A., G. Ishai, A. A. Dutton and A. V. Maccio:* Dark-matter halo profiles of a general cusp/core with analytic velocity and potential. Monthly Notices of the Royal Astronomical Society **468**, 1005-1022 (2017)

*Delhaize, J., V. Smolčić, I. Delvecchio, M. Novak, M. Sargent, N. Baran, B. Magnelli, G. Zamorani, E. Schinnerer, E. J. Murphy, M. Aravena, S. Berta, M. Bondi, P. Capak, C. Carilli, P. Ciliegi, F. Civano, O. Ilbert, A. Karim, C. Laigle, O. Le Fèvre, S. Marchesi, H. J. McCracken, M. Salvato, N. Seymour and L. Tasca:* The VLA-COSMOS 3 GHz Large Project: The infrared-radio correlation of star-forming galaxies and AGN to  $z < 6$ . Astronomy and Astrophysics **602**, id. A4 (17 pp) (2017)

*Delvecchio, I., V. Smolčić, G. Zamorani, C. D. P. Lagos, S. Berta, J. Delhaize, N. Baran, D. M. Alexander, D. J. Rosario, V. Gonzalez-Perez, O. Ilbert, C. G. Lacey, O. Le Fèvre, O. Miettinen, M. Aravena, M. Bondi, C. Carilli, P. Ciliegi, K. Mooley, M. Novak, E. Schinnerer, P. Capak, F. Civano, N. Fanidakis, N. Herrera Ruiz, A. Karim, C. Laigle, S. Marchesi, H. J. McCracken, E. Middleberg, M. Salvato and L. Tasca:* The VLA-COSMOS 3 GHz Large Project: AGN and host-galaxy properties out to  $z < 6$ . Astronomy and Astrophysics **602**, id. A3 (22 pp) (2017)

*Di Cintio, A., C. B. Brook, A. A. Dutton, A. V. Macciò, A. Obreja and A. Dekel:* NIHAO - XI. Formation of ultra-diffuse galaxies by outflows. Monthly Notices of the Royal Astronomical Society **466**, L1-L6 (2017)

*Duffau, S., E. Caffau, L. Sbordone, P. Bonifacio, S. Andrievsky, S. Korotin, C. Babusiaux, S. Salvadori, L. Monaco, P. François, Á. Skúladóttir, A. Bragaglia, P. Donati, L. Spina, A. J. Gallagher, H.-G. Ludwig, N. Christlieb, C. J. Hansen, A. Mott, M. Steffen, S. Zaggia, S. Blanco-Cuaresma, F. Calura, E. Friel, F. M. Jiménez-Esteban, A. Koch, L. Magrini, E. Pancino, B. Tang, G. Tautvaišienė, A. Vallenari, K. Hawkins, G. Gilmore, S. Randich, S. Feltzing, T. Bensby, E. Flaccomio, R. Smiljanic, A. Bayo, G. Carraro, A. R. Casey, M. T. Costado, F. Damiani, E. Franciosini, A. Hourihane, P. Jofré, C. Lardo, J. Lewis, L. Morbidelli, S. G. Sousa and C. C. Worley:* The Gaia-ESO Survey: Galactic evolution of sulphur and zinc. Astronomy and Astrophysics **604**, id. A128 (14 pp) (2017)

*Dutton, A. A., A. Obreja, L. Wang, T. A. Gutcke, T. Buck, S. M. Udrescu, J. Frings, G. S. Stinson, X. Kang and A. V. Macciò:* NIHAO XII: galactic uniformity in a  $\Delta$ CDM universe. Monthly Notices of the Royal Astronomical Society **467**, 4937-4950 (2017)

*Earp, S. W. F., V. P. Debattista, A. V. Macciò and D. R. Cole:* The tilting rate of the Milky Way's disc. Monthly Notices of the Royal Astronomical Society **469**, 4095-4101 (2017)

*Eftekhari-zadeh, S., A. D. Myers, J. F. Hennawi, S. G. Djorgovski, G. T. Richards, A. A. Mahabal and M. J. Graham:* Clustering on very small scales from a large sample of confirmed quasar pairs: does quasar clustering track from Mpc to kpc scales? Monthly Notices of the Royal Astronomical Society **468**, 77-90 (2017)

*Eilers, A.-C., F. B. Davies, J. F. Hennawi, J. X. Prochaska, Z. Lukić and C. Mazzucchelli:* Implications of  $z \sim 6$  quasar proximity zones for the epoch of reionization and quasar lifetimes. The Astrophysical Journal **840**, id. 24 (24 pp) (2017)

*Eilers, A.-C., J. F. Hennawi and K.-G. Lee:* Joint Bayesian estimation of quasar continua and the Ly $\alpha$  forest flux probability distribution function. The Astrophysical Journal **844**, id. 136 (24 pp) (2017)

*Espada, D., S. Matsushita, R. E. Miura, F. P. Israel, N. Neumayer, S. Martin, C. Henkel, T. Izumi, D. Iono, S. Aalto, J. Ott, A. B. Peck, A. C. Quillen and K. Kohno:* Disentangling the circumnuclear environs of Centaurus A. III. An inner molecular ring, nuclear shocks, and the CO to warm H<sub>2</sub> interface. The Astrophysical Journal **843**, id. 136 (24 pp) (2017)

*Faisst, A. L., P. L. Capak, L. Yan, R. Pavesi, D. A. Riechers, I. Barišić, K. C. Cooke, J. S. Kartaltepe and D. C. Masters:* Are high-redshift galaxies hot? Temperature of  $z > 5$  galaxies and implications for their dust properties. The Astrophysical Journal **847**, id. 21 (28 pp) (2017)

*Falcón-Baroso, J., M. Lyubenova, G. van de Ven, J. Mendez-Abreu, J. A. L. Aguerrri, B. García-Lorenzo, S. Bekeraïtē, S. F. Sánchez, B. Husemann, R. García-Benito, D. Mast, C. J. Walcher, S. Zibetti, J. K. Barrera-Ballesteros, L. Galbany, P. Sánchez-Blázquez, R. Singh, R. C. E. van den Bosch, V. Wild, L. Zhu, J. Bland-Hawthorn, R. Cid Fernandes, A. de Lorenzo-Cáceres, A. Gallazzi, R. M. González Delgado, R. A. Marino, I. Márquez, E. Pérez, I. Pérez, M. M. Roth, F. F. Rosales-Ortega, T. Ruiz-Lara, L. Wisotzki, B. Ziegler and C. Collaboration:* Stellar kinematics across the Hubble sequence in the CALIFA survey: general properties and aperture corrections. Astronomy and Astrophysics **597**, id. A48 (52 pp) (2017)

*Farina, E. P., B. P. Venemans, R. Decarli, J. F. Hennawi, F. Walter, E. Bañados, C. Mazzucchelli, S. Cantalupo, F. Arrigoni-Battaia and I. D. McGreer:* Mapping the Ly $\alpha$  emission around a  $z \sim 6.6$  QSO with MUSE: Extended emission and a companion at a close separation. The Astrophysical Journal **848**, id. 78 (16 pp) (2017)

*Feldmeier-Krause, A., W. Kerzendorf, N. Neumayer, R. Schödel, F. Nogueras-Lara, T. Do, P. T. de Zeeuw and H. Kuntschner:* KMOS view of the Galactic Centre - II. Metallicity distribution of late-type stars. Monthly Notices of the Royal Astronomical Society **464**, 194-209 (2017)

*Feldmeier-Krause, A., L. Zhu, N. Neumayer, G. van de Ven, P. T. de Zeeuw and R. Schödel:* Triaxial orbit-based modelling of the Milky Way Nuclear Star Cluster. Monthly Notices of the Royal Astronomical Society **466**, 4040-4052 (2017)

*Fitts, A., M. Boylan-Kolchin, O. D. Elbert, J. S. Bullock, P. F. Hopkins, J. Oñorbe, A. Wetzel, C. Wheeler, C.-A. Faucher-Giguère, D. Kereš, E. D. Skillman and D. R. Weisz:* FIRE in the field: simulating the threshold of galaxy formation. Monthly Notices of the Royal Astronomical Society **471**, 3547-3562 (2017)

*Forrest, B., K.-V. H. Tran, A. Broussard, R. J. Allen, M. Apfel, M. J. Cowley, K. Glazebrook, G. G. Kacprzak, I. Labbé, T. Nanayakkara, C. Papovich, R. F. Quadri, L. R. Spitler, C. M. S. Straatman and A. Tomczak:* Discovery of extreme [O III]+H $\beta$  emitting galaxies tracing an overdensity at  $z \sim 3.5$  in CDF-South. The Astrophysical Journal Letters **838**, id. L12 (6 pp) (2017)

*Freeman, P., E. Rosolowsky, J. M. D. Kruijssen, N. Bastian and A. Adamo:* The varying mass distribution of molecular clouds across M83. Monthly Notices of the Royal Astronomical Society **468**, 1769-1781 (2017)

*Frémat, Y., M. Altmann, E. Pancino, C. Soubiran, P. Jofré, Y. Damerdji, U. Heiter, F. Royer, G. Seabroke, R. Sordo, S. Blanco-Cuaresma, G. Jasniewicz, C. Martayan, F. Thévenin, A.*

*Vallenari, R. Blomme, M. David, E. Gosset, D. Katz, Y. Viala, S. Boudreault, T. Cantat-Gaudin, A. Lobel, K. Meisenheimer, T. Nordlander, G. Raskin, P. Royer and J. Zorec:* A test field for Gaia. Radial velocity catalogue of stars in the South Ecliptic Pole. *Astronomy and Astrophysics* **597**, id. A10 (14 pp) (2017)

*Frings, J., A. Macciò, T. Buck, C. Penzo, A. Dutton, M. Blank and A. Obreja:* The edge of galaxy formation – II. Evolution of Milky Way satellite analogues after infall. *Monthly Notices of the Royal Astronomical Society* **472**, 3378–3389 (2017)

*Fudamoto, Y., P. A. Oesch, E. Schinnerer, B. Groves, A. Karim, B. Magnelli, M. T. Sargent, P. Cassata, P. Lang, D. Liu, O. Le Fèvre, S. Leslie, V. Smolčić and L. Tasca:* The dust attenuation of star-forming galaxies at  $z \sim 3$  and beyond: New insights from ALMA observations. *Monthly Notices of the Royal Astronomical Society* **472**, 483–490 (2017)

*Galbany, L., L. Mora, S. González-Gaitán, A. Bolatto, H. Dannerbauer, Á. R. López-Sánchez, K. Maeda, S. Pérez, M. A. Pérez-Torres, S. F. Sánchez, T. Wong, C. Badenes, L. Blitz, R. A. Marino, D. Utomo and G. Van de Ven:* Molecular gas in supernova local environments unveiled by EDGE. *Monthly Notices of the Royal Astronomical Society* **468**, 628–644 (2017)

*García-Vergara, C., J. F. Hennawi, L. F. Barrientos and H.-W. Rix:* Strong clustering of Lyman Break Galaxies around luminous quasars at  $z \sim 4$ . *The Astrophysical Journal* **848**, id. 7 (24 pp) (2017)

*Gaudi, B. S., K. G. Stassun, K. A. Collins, T. G. Beatty, G. Zhou, D. W. Latham, A. Bieryla, J. D. Eastman, R. J. Siverd, J. R. Crepp, E. J. Gonzales, D. J. Stevens, L. A. Buchhave, J. Pepper, M. C. Johnson, K. D. Colon, E. L. N. Jensen, J. E. Rodriguez, V. Bozza, S. C. Novati, G. D'Ago, M. T. Dumont, T. Ellis, C. Gaillard, H. Jang-Condell, D. H. Kasper, A. Fukui, J. Gregorio, A. Ito, J. F. Kielkopf, M. Manner, K. Matt, N. Narita, T. E. Oberst, P. A. Reed, G. Scarpetta, D. C. Stephens, R. R. Yeigh, R. Zambelli, B. J. Fulton, A. W. Howard, D. J. James, M. Penny, D. Bayliss, I. A. Curtis, D. L. Depoy, G. A. Esquerdo, A. Gould, M. D. Joner, R. B. Kuhn, J. Labadie-Bartz, M. B. Lund, J. L. Marshall, K. K. McLeod, R. W. Pogge, H. Relles, C. Stockdale, T. G. Tan, M. Trueblood and P. Trueblood:* A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host. *Nature* **546**, 514–518 (2017)

*Giro, E., R. Canestrari, G. Sironi, E. Antolini, P. Conconi, C. E. Fermino, C. Gargano, G. Rodeghiero, F. Russo, S. Scuderi, G. Tosti, V. Vassiliev and G. Pareschi:* First optical validation of a Schwarzschild Couder telescope: the ASTRI SST-2M Cherenkov telescope. *Astronomy and Astrophysics* **608**, id. A86 (6 pp) (2017)

*Glazebrook, K., C. Schreiber, I. Labbé, T. Nanayakkara, G. G. Kacprzak, P. A. Oesch, C. Papovich, L. R. Spitler, C. M. S. Straatman, K.-V. H. Tran and T. Yuan:* A massive, quiescent galaxy at a redshift of 3.717. *Nature* **544**, 71–74 (2017)

*Glück, M., J.-U. Pott and O. Sawodny:* Investigations of an accelerometer-based disturbance feedforward control for vibration suppression in adaptive optics of large telescopes. *Publications of the Astronomical Society of the Pacific* **129**, id. 065001 (12 pp) (2017)

*Gonzalez, O. A., V. P. Debattista, M. Ness, P. Erwin and D. A. Gadotti:* Peanut-shaped metallicity distributions in bulges of edge-on galaxies: the case of NGC 4710. *Monthly Notices of the Royal Astronomical Society* **466**, L93–L97 (2017)

*González-Lópezlira, R. A., L. Lomelí-Núñez, K. Álamo-Martínez, Y. Órdenes-Briceño, L. Loinard, I. Y. Georgiev, R. P. Muñoz, T. H. Puzia, G. Bruzual A. and S. Gwyn:* The relation between globular cluster systems and supermassive black holes in spiral galaxies: The case study of NGC 4258. *The Astrophysical Journal* **835**, id. 184 (22 pp) (2017)

*Gordon, K. D., J. Roman-Duval, C. Bot, M. Meixner, B. Babler, J.-P. Bernard, A. Bolatto, M. L. Boyer, G. C. Clayton, C. Engelbracht, Y. Fukui, M. Galametz, F. Galliano, S. Hony, A. Hughes, R. Indebetouw, F. P. Israel, K. Jameson, A. Kawamura, V. Lebouteiller, A. Li, S. C. Madden, M. Matsuhara, K. Misselt, E. Montiel, K. Okumura, T. Onishi, P. Panuzzo, D. Paradis, M. Rubio, K. Sandstrom, M. Sauvage, J. Seale, M. Sewiło, K. Tchernyshyov and R. Skibba:* Erratum: "Dust

and Gas in the Magellanic Clouds from the HERITAGE Herschel Key Project. I. Dust Properties and Insights into the Origin of the Submm Excess Emission" (2014, ApJ, 797, 85). The Astrophysical Journal **837**, id. 98 (2 pp) (2017)

*Gorski, M., J. Ott, R. Rand, D. S. Meier, E. Momjian and E. Schinnerer:* Survey of Water and Ammonia in Nearby galaxies (SWAN): Resolved ammonia thermometry, and water and methanol masers in the nuclear starburst of NGC 253. The Astrophysical Journal **842**, id. 124 (21 pp) (2017)

*Gould, A. and J. A. Kollmeier:* Gaia parallax zero point from RR Lyrae stars. Journal of Korean Astronomical Society **50**, 1-5 (2017)

*Gutcke, T. A., A. V. Macciò, A. A. Dutton and G. S. Stinson:* Quenching versus quiescence: forming realistic massive ellipticals with a simple starvation model. Monthly Notices of the Royal Astronomical Society **466**, 4614-4624 (2017)

*Gutcke, T. A., G. S. Stinson, A. V. Macciò, L. Wang and A. A. Dutton:* NIHAO - VIII. Circum-galactic medium and outflows - The puzzles of H I and O VI gas distributions. Monthly Notices of the Royal Astronomical Society **464**, 2796-2815 (2017)

*Gvaramadze, V. V., N. Langer, L. Fossati, D. C.-J. Bock, N. Castro, I. Y. Georgiev, J. Greiner, S. Johnston, A. Rau and T. M. Tauris:* A solar-type star polluted by calcium-rich supernova ejecta inside the supernova remnant RCW 86. Nature Astronomy **1**, id. 0116 (5 pp) (2017)

*Hahn, C., M. Vakili, K. Walsh, A. P. Hearn, D. W. Hogg and D. Campbell:* Approximate Bayesian computation in large-scale structure: constraining the galaxy-halo connection. Monthly Notices of the Royal Astronomical Society **469**, 2791-2805 (2017)

*Han, C., A. Udalski, A. Gould, I. A. Bond, M. D. Albrow, S.-J. Chung, Y. K. Jung, Y.-H. Ryu, I.-G. Shin, J. C. Yee, W. Zhu, S.-M. Cha, S.-L. Kim, D.-J. Kim, C.-U. Lee, Y. Lee, B.-G. Park, J. Skowron, P. Mróz, P. Pietrukowicz, S. Kozłowski, R. Poleski, M. K. Szymański, I. Soszyński, K. Ulaczyk, M. Pawlak, F. Abe, Y. Asakura, R. Barry, D. P. Bennett, A. Bhattacharya, M. Donachie, P. Evans, A. Fukui, Y. Hirao, Y. Itow, N. Koshimoto, M. C. A. Li, C. H. Ling, K. Masuda, Y. Matsubara, Y. Muraki, M. Nagakane, K. Ohnishi, C. Ranc, N. J. Rattenbury, T. Saito, A. Sharan, D. J. Sullivan, T. Sumi, D. Suzuki, P. J. Tristram, T. Yamada and A. Yonehara:* OGLE-2016-BLG-0263Lb: Microlensing detection of a very low-mass binary companion through a repeating event channel. The Astronomical Journal **154**, id. 133 (9 pp) (2017)

*Han, C., A. Udalski, A. Gould, C.-U. Lee, Y. Shvartzvald, W. C. Zang, S. Mao, S. Kozłowski, M. D. Albrow, S.-J. Chung, K.-H. Hwang, Y. K. Jung, D. Kim, H.-W. Kim, Y.-H. Ryu, I.-G. Shin, J. C. Yee, W. Zhu, S.-M. Cha, S.-L. Kim, D.-J. Kim, Y. Lee, B.-G. Park, J. Skowron, P. Mróz, P. Pietrukowicz, R. Poleski, M. K. Szymański, I. Soszyński, K. Ulaczyk, M. Pawlak, C. Beichman, G. Bryden, S. Calchi Novati, B. S. Gaudi, C. B. Henderson, S. B. Howell, S. Jacklin, M. T. Penny, P. Fouqué and T. S. Wang:* OGLE-2016-BLG-0613LABb: A microlensing planet in a binary system. The Astronomical Journal **154**, id. 223 (14 pp) (2017)

*Han, C., A. Udalski, A. Gould, W. Zhu, and, M. K. Szymański, I. Soszyński, J. Skowron, P. Mróz, R. Poleski, P. Pietrukowicz, S. Kozłowski, K. Ulaczyk, M. Pawlak, T. O. Collaboration, J. C. Yee, C. Beichman, S. Calchi Novati, S. Carey, C. Bryden, M. Fausnaugh, B. S. Gaudi, C. B. Henderson, Y. Shvartzvald, B. Wibking and T. S. M. Team:* OGLE-2015-BLG-0196: Ground-based gravitational microlens parallax confirmed by space-based observation. The Astrophysical Journal **834**, id. 82 (8 pp) (2017)

*Henshaw, J. D., S. N. Longmore and J. M. D. Kruijssen:* Erratum: Seeding the Galactic Centre gas stream: gravitational instabilities set the initial conditions for the formation of protocluster clouds: Table 1. Monthly Notices of the Royal Astronomical Society **466**, L13-L13 (2017)

*Henshaw, J. D., S. N. Longmore and J. M. D. Kruijssen:* Erratum: Seeding the Galactic Centre gas stream: gravitational instabilities set the initial conditions for the formation of protocluster clouds: Table 1. Monthly Notices of the Royal Astronomical Society **464**, 4145-4145 (2017)

*Hernitschek, N., B. Sesar, H.-W. Rix, V. Belokurov, D. Martinez-Delgado, N. F. Martin, N. Kaiser, K. Hodapp, K. C. Chambers, R. Wainscoat, E. Magnier, R.-P. Kudritzki, N. Metcalfe and P. W. Draper:* The geometry of the Sagittarius stream from Pan-STARRS1 3 RR Lyrae. The Astrophysical Journal **850**, id. 96 (17 pp) (2017)

*Herpich, J., G. S. Stinson, H.-W. Rix, M. Martig and A. A. Dutton:* How to bend galaxy disc profiles - II. Stars surfing the bar in Type-III discs. Monthly Notices of the Royal Astronomical Society **470**, 4941-4955 (2017)

*Herpich, J., S. Tremaine and H.-W. Rix:* Galactic disc profiles and a universal angular momentum distribution from statistical physics. Monthly Notices of the Royal Astronomical Society **467**, 5022-5032 (2017)

*Herrera Ruiz, N., E. Middelberg, A. Deller, R. P. Norris, P. N. Best, W. Brisken, E. Schinnerer, V. Smolčić, I. Delvecchio, E. Momjian, D. Bomans, N. Z. Scoville and C. Carilli:* The faint radio sky: VLBA observations of the COSMOS field. Astronomy and Astrophysics **607**, id. A132 (19 pp) (2017)

*Hickox, R. C., A. D. Myers, J. E. Greene, K. N. Hainline, N. L. Zakamska and M. A. DiPompeo:* Composite spectral energy distributions and infrared-optical colors of type 1 and type 2 quasars. The Astrophysical Journal **849**, id. 53 (14 pp) (2017)

*Ho, A. Y. Q., M. K. Ness, D. W. Hogg, H.-W. Rix, C. Liu, F. Yang, Y. Zhang, Y. Hou and Y. Wang:* Label transfer from APOGEE to LAMOST: Precise stellar parameters for 450,000 LAMOST giants. The Astrophysical Journal **836**, id. 5 (15 pp) (2017)

*Ho, A. Y. Q., H.-W. Rix, M. K. Ness, D. W. Hogg, C. Liu and Y.-S. Ting:* Masses and ages for 230,000 LAMOST giants, via their carbon and nitrogen abundances. The Astrophysical Journal **841**, id. 40 (12 pp) (2017)

*Ho, I.-T., M. Seibert, S. E. Meidt, R.-P. Kudritzki, C. Kobayashi, B. A. Groves, L. J. Kewley, B. F. Madore, J. A. Rich, E. Schinnerer, J. D'Agostino and H. Poetrodjojo:* The chemical evolution carousel of spiral galaxies: Azimuthal variations of oxygen abundance in NGC1365. The Astrophysical Journal **846**, id. 39 (15 pp) (2017)

*Hollyhead, K., N. Kacharov, C. Lardo, N. Bastian, M. Hilker, M. Rejkuba, A. Koch, E. K. Grebel and I. Georgiev:* Evidence for multiple populations in the intermediate-age cluster Lindsay 1 in the SMC. Monthly Notices of the Royal Astronomical Society **465**, L39-L43 (2017)

*Huang, K.-H., S. M. Fall, H. C. Ferguson, A. van der Wel, N. Grogin, A. Koekemoer, S.-K. Lee, P. G. Pérez-González and S. Wuyts:* Relations between the sizes of galaxies and their dark matter halos at redshifts  $0 < z < 3$ . The Astrophysical Journal **838**, id. 6 (13 pp) (2017)

*Hunter, D. A., D. Ficut-Vicas, T. Ashley, E. Brinks, P. Cigan, B. G. Elmegreen, V. Heesen, K. A. Herrmann, M. Johnson, S.-H. Oh, M. P. Rupen, A. Schruba, C. E. Simpson, F. Walter, D. J. Westpfahl, L. M. Young and H.-X. Zhang:* Erratum: "Little Things" (2012, AJ, 144, 134). The Astronomical Journal **153**, id. 47 (3 pp) (2017)

*Huppenkothen, D., L. M. Heil, D. W. Hogg and A. Mueller:* Using machine learning to explore the long-term evolution of GRS 1915+105. Monthly Notices of the Royal Astronomical Society **466**, 2364-2377 (2017)

*Husemann, B., T. A. Davis, K. Jahnke, H. Dannerbauer, T. Urrutia and J. Hodge:* Integral field spectroscopy of nearby quasi-stellar objects - II. Molecular gas content and conditions for star formation. Monthly Notices of the Royal Astronomical Society **470**, 1570-1586 (2017)

*Huynh, M. T., B. H. C. Emonts, A. E. Kimball, N. Seymour, I. Smail, A. M. Swinbank, W. N. Brandt, C. M. Casey, S. C. Chapman, H. Dannerbauer, J. A. Hodge, R. J. Ivison, E. Schinnerer, A. P. Thomson, P. van der Werf and J. L. Wardlow:* The AT-LESS CO(1-0) survey of submillimetre galaxies in the Extended Chandra Deep Field South: First results on cold molecular gas in galaxies at  $z \sim 2$ . Monthly Notices of the Royal Astronomical Society **467**,

1222-1230 (2017)

*Ianjamasimanana, R., W. J. G. de Blok and G. H. Heald:* Accurate recovery of H i velocity dispersion from radio interferometers. *The Astronomical Journal* **153**, id. 213 (13 pp) (2017)

*Ibata, R. A., G. F. Lewis, G. Thomas, N. F. Martin and S. Chapman:* Feeling the Pull: A study of natural Galactic accelerometers. II. Kinematics and mass of the delicate stellar stream of the Palomar 5 globular cluster. *The Astrophysical Journal* **842**, id. 120 (12 pp) (2017)

*Iodice, E., M. Spavone, M. Cantiello, R. D'Abrusco, M. Capaccioli, M. Hilker, S. Mieske, N. R. Napolitano, R. F. Peletier, L. Limatola, A. Grado, A. Venhola, M. Paolillo, G. Van de Ven and P. Schipani:* Intracluster patches of Baryons in the core of the Fornax cluster. *The Astrophysical Journal* **851**, id. 75 (9 pp) (2017)

*Iodice, E., M. Spavone, M. Capaccioli, R. F. Peletier, T. Richtler, M. Hilker, S. Mieske, L. Limatola, A. Grado, N. R. Napolitano, M. Cantiello, R. D'Abrusco, M. Paolillo, A. Venhola, T. Lisker, G. Van de Ven, J. Falcon-Barroso and P. Schipani:* The Fornax Deep Survey with VST. II. Fornax A: A Two-phase assembly caught in the act. *The Astrophysical Journal* **839**, id. 21 (19 pp) (2017)

*Iršič, V., M. Viel, T. A. M. Berg, V. D'Odorico, M. G. Haehnelt, S. Cristiani, G. Cupani, T.-S. Kim, S. López, S. Ellison, G. D. Becker, L. Christensen, K. D. Denney, G. Worseck and J. S. Bolton:* The Lyman α forest power spectrum from the XQ-100 Legacy Survey. *Monthly Notices of the Royal Astronomical Society* **466**, 4332–4345 (2017)

*Iršič, V., M. Viel, M. G. Haehnelt, J. S. Bolton, S. Cristiani, G. D. Becker, V. D'Odorico, G. Cupani, T.-S. Kim, T. A. M. Berg, S. López, S. Ellison, L. Christensen, K. D. Denney and G. Worseck:* New constraints on the free-streaming of warm dark matter from intermediate and small scale Lyman- $\alpha$  forest data. *Physical Review D* **96**, id. 023522 (14 pp) (2017)

*Izumi, T., K. Kohno, K. Fathi, E. Hatziminaoglou, R. I. Davies, S. Martín, S. Matsushita, E. Schinnerer, D. Espada, S. Aalto, K. Onishi, J. L. Turner, M. Imanishi, K. Nakanishi, D. S. Meier, K. Wada, N. Kawakatu and T. Nakajima:* On the disappearance of a cold molecular torus around the low-luminosity active galactic nucleus of NGC 1097. *The Astrophysical Journal Letters* **845**, id. L5 (7 pp) (2017)

*Jiang, Y.-F., P. J. Green, J. E. Greene, E. Morganson, Y. Shen, A. Pancoast, C. L. MacLeod, S. F. Anderson, W. N. Brandt, C. J. Grier, H.-W. Rix, J. J. Ruan, P. Protopapas, C. Scott, W. S. Burgett, K. W. Hodapp, M. E. Huber, N. Kaiser, R. P. Kudritzki, E. A. Magnier, N. Metcalfe, J. T. Tonry, R. J. Wainscoat and C. Waters:* Detection of time lags between quasar continuum emission bands based on Pan-STARRS light curves. *The Astrophysical Journal* **836**, id. 186 (17 pp) (2017)

*Jiménez-Donaire, M. J., F. Bigiel, A. K. Leroy, D. Cormier, M. Gallagher, A. Usero, A. Bolatto, D. Colombo, S. García-Burillo, A. Hughes, C. Kramer, M. R. Krumholz, D. S. Meier, E. Murphy, J. Pety, E. Rosolowsky, E. Schinnerer, A. Schruba, N. Tomićić and L. Zschaechner:* Optical depth estimates and effective critical densities of dense gas tracers in the inner parts of nearby galaxy discs. *Monthly Notices of the Royal Astronomical Society* **466**, 49–62 (2017)

*Jiménez-Donaire, M. J., D. Cormier, F. Bigiel, A. K. Leroy, M. Gallagher, M. R. Krumholz, A. Usero, A. Hughes, C. Kramer, D. Meier, E. Murphy, J. Pety, E. Schinnerer, A. Schruba, K. Schuster, K. Sliwa and N. Tomicic:* 13CO/C18O gradients across the disks of nearby spiral galaxies. *The Astrophysical Journal Letters* **836**, id. L29 (6 pp) (2017)

*Jofré, P., U. Heiter, C. C. Worley, S. Blanco-Cuaresma, C. Soubiran, T. Masseron, K. Hawkins, V. Adibekyan, S. Buder, L. Casamiquela, G. Gilmore, A. Hourihane and H. Tabernero:* Gaia FGK benchmark stars: opening the black box of stellar element abundance determination. *Astronomy and Astrophysics* **601**, id. A38 (22 pp) (2017)

*Johnson, L. C., A. C. Seth, J. J. Dalcanton, L. C. Beerman, M. Fouesneau, D. R. Weisz, T. A. Bell, A. E. Dolphin, K. Sandstrom and B. F. Williams:* Panchromatic Hubble Andromeda

Treasury. XVIII. The high-mass truncation of the star cluster mass function. *The Astrophysical Journal* **839**, id. 78 (14 pp) (2017)

*Johnston, K. V., A. M. Price-Whelan, M. Bergemann, C. Laporte, T. S. Li, A. A. Sheffield, S. R. Majewski, R. S. Beaton, B. Sesar and S. Sharma:* Disk Heating, Galactoseismology, and the Formation of Stellar Halos. *Galaxies* **5**, id. 44 (19 pp) (2017)

*Jones, G. C., C. L. Carilli, Y. Shao, R. Wang, P. L. Capak, R. Pavesi, D. A. Riechers, A. Karim, M. Neleman and F. Walter:* Dynamical characterization of galaxies at  $z \sim 4-6$  via tilted ring fitting to ALMA [C II] observations. *The Astrophysical Journal* **850**, id. 180 (14 pp) (2017)

*Jung, Y. K., A. Udalski, I. A. Bond, J. C. Yee, A. Gould, C. Han, M. D. Albrow, C.-U. Lee, S.-L. Kim, K.-H. Hwang, S.-J. Chung, Y.-H. Ryu, I.-G. Shin, W. Zhu, S.-M. Cha, D.-J. Kim, Y. Lee, B.-G. Park, H.-W. Kim, R. W. Pogge, T. K. Collaboration, J. Skowron, M. K. Szymański, R. Poleski, P. Mróz, S. Kozłowski, P. Pietrukowicz, I. Soszyński, K. Ulaczyk, M. Pawlak, T. O. Collaboration, F. Abe, D. P. Bennett, R. Barry, T. Sumi, Y. Asakura, A. Bhattacharya, M. Donachie, A. Fukui, Y. Hirao, Y. Itow, N. Koshimoto, M. C. A. Li, C. H. Ling, K. Masuda, Y. Matsubara, Y. Muraki, M. Nagakane, N. J. Rattenbury, P. Evans, A. Sharan, D. J. Sullivan, D. Suzuki, P. J. Tristram, T. Yamada, A. Yonehara and T. M. Collaboration:* OGLE-2016-BLG-1003: First resolved caustic-crossing binary-source event discovered by second-generation microlensing Surveys. *The Astrophysical Journal* **841**, id. 75 (8 pp) (2017)

*Jung, Y. K., A. Udalski, J. C. Yee, T. Sumi, A. Gould, C. Han, M. D. Albrow, C.-U. Lee, S.-L. Kim, S.-J. Chung, K.-H. Hwang, Y.-H. Ryu, I.-G. Shin, W. Zhu, S.-M. Cha, D.-J. Kim, Y. Lee, B.-G. Park, R. W. Pogge, K. Collaboration, P. Pietrukowicz, S. Kozłowski, R. Poleski, J. Skowron, P. Mróz, M. K. Szymański, I. Soszyński, M. Pawlak, K. Ulaczyk, O. Collaboration, F. Abe, D. P. Bennett, R. Barry, I. A. Bond, Y. Asakura, A. Bhattacharya, M. Donachie, M. Freeman, A. Fukui, Y. Hirao, Y. Itow, N. Koshimoto, M. C. A. Li, C. H. Ling, K. Masuda, Y. Matsubara, Y. Muraki, M. Nagakane, H. Oyokawa, N. J. Rattenbury, A. Sharan, D. J. Sullivan, D. Suzuki, P. J. Tristram, T. Yamada, A. Yonehara and M. Collaboration:* Binary source microlensing event OGLE-2016-BLG-0733: Interpretation of a long-term asymmetric perturbation. *The Astronomical Journal* **153**, id. 129 (7 pp) (2017)

*Kacharov, N., G. Battaglia, M. Rejkuba, A. A. Cole, R. Carrera, F. Fraternali, M. I. Wilkinson, C. G. Gallart, M. Irwin and E. Tolstoy:* Prolate rotation and metallicity gradient in the transforming dwarf galaxy Phoenix. *Monthly Notices of the Royal Astronomical Society* **466**, 2006-2023 (2017)

*Kakkad, D., V. Mainieri, M. Brusa, P. Padovani, S. Carniani, C. Feruglio, M. Sargent, B. Husemann, A. Bongiorno, M. Bonzini, E. Piconcelli, J. D. Silverman and W. Rujopakarn:* ALMA observations of cold molecular gas in AGN hosts at  $z \sim 1.5$  – evidence of AGN feedback? *Monthly Notices of the Royal Astronomical Society* **468**, 4205-4215 (2017)

*Kalinova, V., G. van de Ven, M. Lyubenova, J. Falcón-Baroso, D. Colombo and E. Rosolowsky:* The inner mass distribution of late-type spiral galaxies from SAURON stellar kinematic maps. *Monthly Notices of the Royal Astronomical Society* **464**, 1903-1922 (2017)

*Kapala, M. J., B. Groves, K. Sandstrom, T. Jarrett, E. da Cunha, K. Croxall, J. Dalcanton, B. Draine, S. Glover and E. Schinnerer:* The survey of lines in M31 (SLIM): The drivers of the [C II]/TIR variation. *The Astrophysical Journal* **842**, id. 128 (19 pp) (2017)

*Kawinwanichakij, L., C. Papovich, R. F. Quadri, K. Glazebrook, G. G. Kacprzak, R. J. Allen, E. F. Bell, D. J. Croton, A. Dekel, H. C. Ferguson, B. Forrest, N. A. Grogin, Y. Guo, D. D. Kocevski, A. M. Koekemoer, I. Labbé, R. A. Lucas, T. Nanayakkara, L. R. Spitler, C. M. S. Straatman, K.-V. H. Tran, A. Tomczak and P. van Dokkum:* Effect of local environment and stellar mass on galaxy quenching and morphology at  $0.5 < z < 2.0$ . *The Astrophysical Journal* **847**, id. 134 (21 pp) (2017)

*Khrykin, I. S., J. F. Hennawi and M. McQuinn:* The thermal proximity effect: A new probe of the He II reionization history and quasar lifetime. *The Astrophysical Journal* **838**, id. 96 (22 pp) (2017)

*Kilic, M., J. A. Munn, H. C. Harris, T. von Hippel, J. W. Liebert, K. A. Williams, E. Jeffery and S. DeGennaro:* The ages of the thin disk, thick disk, and the halo from nearby white dwarfs. The Astrophysical Journal **837**, id. 162 (9 pp) (2017)

*Kim, S., S. Schulze, L. Resmi, J. González-López, A. B. Higgins, C. H. Ishwara-Chandra, F. E. Bauer, I. de Gregorio-Monsalvo, M. De Pasquale, A. de Ugarte Postigo, D. A. Kann, S. Martín, S. R. Oates, R. L. C. Starling, N. R. Tanvir, J. Buchner, S. Campana, Z. Cano, S. Covino, A. S. Fruchter, J. P. U. Fynbo, D. H. Hartmann, J. Hjorth, P. Jakobsson, A. J. Levan, D. Malesani, M. J. Michałowski, B. Milvang-Jensen, K. Misra, P. T. O'Brien, R. Sánchez-Ramírez, C. C. Thöne, D. J. Watson and K. Wiersema:* ALMA and GMRT constraints on the off-axis gamma-ray burst 170817A from the binary neutron star merger GW170817. The Astrophysical Journal Letters **850**, id. L21 (9 pp) (2017)

*Knežević, S., R. Läsker, G. van de Ven, J. Font, J. C. Raymond, C. A. L. Bailer-Jones, J. Beckman, G. Morlino, P. Ghavamian, J. P. Hughes and K. Heng:* Balmer filaments in Tycho's supernova remnant: An interplay between cosmic-ray and broad-neutral precursors. The Astrophysical Journal **846**, id. 167 (30 pp) (2017)

*Kocevski, D. D., G. Barro, S. M. Faber, A. Dekel, R. S. Somerville, J. A. Young, C. C. Williams, D. H. McIntosh, A. Georgakakis, G. Hasinger, K. Nandra, F. Civano, D. M. Alexander, O. Almaini, C. J. Conselice, J. L. Donley, H. C. Ferguson, M. Giavalisco, N. A. Grogin, N. Hathi, M. Hawkins, A. M. Koekemoer, D. C. Koo, E. J. McGrath, B. Mobasher, P. G. Pérez González, J. Pforr, J. R. Primack, P. Santini, M. Stefanon, J. R. Trump, A. van der Wel, S. Wuyts and H. Yan:* CANDELS: Elevated black hole growth in the progenitors of compact quiescent galaxies at  $z \sim 2$ . The Astrophysical Journal **846**, id. 112 (13 pp) (2017)

*König, S., S. Martín, S. Müller, J. Cernicharo, K. Sakamoto, L. K. Zschaechner, E. M. L. Humphreys, T. Mroczkowski, M. Krips, M. Galametz, S. Aalto, W. H. T. Vlemmings, J. Ott, D. S. Meier, A. Fuente, S. García-Burillo and R. Neri:* Subarcsecond imaging of the water emission in Arp 220. Astronomy and Astrophysics **602**, id. A42 (9 pp) (2017)

*Kreckel, K., B. Groves, F. Bigiel, G. A. Blanc, J. M. D. Kruijssen, A. Hughes, A. Schruba and E. Schinnerer:* A revised planetary nebula luminosity function distance to NGC 628 using MUSE. The Astrophysical Journal **834**, id. 174 (11 pp) (2017)

*Krieger, N., J. Ott, H. Beuther, F. Walter, J. M. D. Kruijssen, D. S. Meier, E. A. C. Mills, Y. Contreras, P. Edwards, A. Ginsburg, C. Henkel, J. Henshaw, J. Jackson, J. Kauffmann, S. Longmore, S. Martín, M. R. Morris, T. Pillai, M. Rickert, E. Rosolowsky, H. Shinnaga, A. Walsh, F. Yusef-Zadeh and Q. Zhang:* The Survey of Water and Ammonia in the Galactic Center (SWAG): Molecular cloud evolution in the central molecular zone. The Astrophysical Journal **850**, id. 77 (42 pp) (2017)

*Krumpe, M., B. Husemann, G. R. Tremblay, T. Urrutia, M. Powell, T. A. Davis, J. Scharwächter, J. Dexter, G. Busch, F. Combes, S. M. Croom, A. Eckart, R. E. McElroy, M. Perez-Torres and G. Leung:* The Close AGN Reference Survey (CARS). Mrk 1018 halts dimming and experiences strong short-term variability. Astronomy and Astrophysics **607**, id. L9 (4 pp) (2017)

*Lang, P., N. M. Förster Schreiber, R. Genzel, S. Wuyts, E. Wisnioski, A. Beifiori, S. Belli, R. Bender, G. Brammer, A. Burkert, J. Chan, R. Davies, M. Fossati, A. Galametz, S. K. Kulkarni, D. Lutz, J. T. Mendel, I. G. Momcheva, T. Naab, E. J. Nelson, R. P. Saglia, S. Seitz, S. Tacchella, L. J. Tacconi, K.-i. Tadaki, H. Übler, P. G. van Dokkum and D. J. Wilman:* Falling outer rotation curves of star-forming galaxies at  $0.6 < z < 2.6$  probed with KMOS3D and SINS/zC-SINF. The Astrophysical Journal **840**, id. 92 (24 pp) (2017)

*Lau, R. M., M. J. Hankins, R. Schödel, J. Sanchez-Bermudez, A. F. J. Moffat and M. E. Ressler:* Stagnant shells in the vicinity of the dusty Wolf-Rayet-OB binary WR 112. The Astrophysical Journal Letters **835**, id. L31 (6 pp) (2017)

*Leaman, R., J. T. Mendel, E. Wisnioski, A. M. Brooks, M. A. Beasley, E. Starkenburg, M. Martig, G. Battaglia, C. Christensen, A. A. Cole, T. J. L. de Boer and D. Wills:* A unified model for age-

velocity dispersion relations in Local Group galaxies: disentangling ISM turbulence and latent dynamical heating. Monthly Notices of the Royal Astronomical Society **472**, 1879-1896 (2017)

*Lee, N., K. Sheth, K. S. Scott, S. Toft, G. E. Magdis, I. Damjanov, H. J. Zahid, C. M. Casey, I. Cortzen, C. Gómez Guijarro, A. Karim, S. K. Leslie and E. Schinnerer:* The fine line between normal and starburst galaxies. Monthly Notices of the Royal Astronomical Society **471**, 2124-2142 (2017)

*Lemasle, B., M. A. T. Groenewegen, E. K. Grebel, G. Bono, G. Fiorentino, P. François, L. Inno, V. V. Kovtyukh, N. Matsunaga, S. Pedicelli, F. Primas, J. Pritchard, M. Romaniello and R. da Silva:* Detailed chemical composition of classical Cepheids in the LMC cluster NGC 1866 and in the field of the SMC. Astronomy and Astrophysics **608**, id. A85 (36 pp) (2017)

*Lemaux, B. C., A. R. Tomczak, L. M. Lubin, P.-F. Wu, R. R. Gal, N. Rumbaugh, D. D. Kocevski and G. K. Squires:* Chronos and KAIROS: MOSFIRE observations of post-starburst galaxies in  $z \sim 1$  clusters and groups. Monthly Notices of the Royal Astronomical Society **472**, 419-438 (2017)

*Leroy, A. K., E. Schinnerer, A. Hughes, J. M. D. Kruijssen, S. Meidt, A. Schruba, J. Sun, F. Bigiel, G. Aniano, G. A. Blanc, A. Bolatto, M. Chevance, D. Colombo, M. Gallagher, S. García-Burillo, C. Kramer, M. Querejeta, J. Pety, T. A. Thompson and A. Usero:* Cloud-scale ISM structure and star formation in M51. The Astrophysical Journal **846**, id. 71 (20 pp) (2017)

*Leroy, A. K., A. Usero, A. Schruba, F. Bigiel, J. M. D. Kruijssen, A. Kepley, G. A. Blanc, A. D. Bolatto, D. Cormier, M. Gallagher, A. Hughes, M. J. Jiménez-Donaire, E. Rosolowsky and E. Schinnerer:* Millimeter-wave line ratios and sub-beam volume density distributions. The Astrophysical Journal **835**, id. 217 (24 pp) (2017)

*Leslie, S. K., J. J. Bryant, I.-T. Ho, E. M. Sadler, A. M. Medling, B. Groves, L. J. Kewley, J. Bland-Hawthorn, S. M. Croom, O. I. Wong, S. Brough, E. Tescari, S. M. Sweet, R. Sharp, A. W. Green, Á. R. López-Sánchez, J. T. Allen, L. M. R. Fogarty, M. Goodwin, J. S. Lawrence, I. S. Konstantopoulos, M. S. Owers and S. N. Richards:* The SAMI Galaxy Survey: disc-halo interactions in radio-selected star-forming galaxies. Monthly Notices of the Royal Astronomical Society **471**, 2438-2452 (2017)

*Lewis, A. R., J. E. Simones, B. D. Johnson, J. J. Dalcanton, E. D. Skillman, D. R. Weisz, A. E. Dolphin, B. F. Williams, E. F. Bell, M. Fouesneau, M. Kapala, P. Rosenfield and A. Schruba:* The Panchromatic Hubble Andromeda Treasury. XVII. Examining obscured star formation with synthetic ultraviolet flux maps in M31. The Astrophysical Journal **834**, id. 70 (23 pp) (2017)

*Li, T. S., A. A. Sheffield, K. V. Johnston, J. L. Marshall, S. R. Majewski, A. M. Price-Whelan, G. J. Damke, R. L. Beaton, E. J. Bernard, W. Richardson, S. Sharma and B. Sesar:* Exploring halo substructure with giant stars. XV. Discovery of a connection between the Monoceros Ring and the Triangulum-Andromeda overdensity? The Astrophysical Journal **844**, id. 74 (11 pp) (2017)

*Lind, K., A. M. Amarsi, M. Asplund, P. S. Barklem, M. Bautista, M. Bergemann, R. Collet, D. Kiselman, J. Leenaarts and T. M. D. Pereira:* Non-LTE line formation of Fe in late-type stars – IV. Modelling of the solar centre-to-limb variation in 3D. Monthly Notices of the Royal Astronomical Society **468**, 4311-4322 (2017)

*Lovell, M. R., S. Bose, A. Boyarsky, R. A. Crain, C. S. Frenk, W. A. Hellwing, A. D. Ludlow, J. F. Navarro, O. Ruchayskiy, T. Sawala, M. Schaller, J. Schaye and T. Theuns:* Properties of Local Group galaxies in hydrodynamical simulations of sterile neutrino dark matter cosmologies. Monthly Notices of the Royal Astronomical Society **468**, 4285-4298 (2017)

*Lovell, M. R., V. Gonzalez-Perez, S. Bose, A. Boyarsky, S. Cole, C. S. Frenk and O. Ruchayskiy:* Addressing the too big to fail problem with baryon physics and sterile neutrino dark matter. Monthly Notices of the Royal Astronomical Society **468**, 2836-2849 (2017)

*Macciò, A. V., J. Frings, T. Buck, C. Penzo, A. A. Dutton, M. Blank and A. Obreja:* The edge of

galaxy formation - I. Formation and evolution of MW-satellite analogues before accretion. Monthly Notices of the Royal Astronomical Society **472**, 2356-2366 (2017)

*Magrini, L., S. Randich, G. Kordopatis, N. Prantzos, D. Romano, A. Chieffi, M. Limongi, P. François, E. Pancino, E. Friel, A. Bragaglia, G. Tautvaišien?, L. Spina, J. Overbeek, T. Cantat-Gaudin, P. Donati, A. Vallenari, R. Sordo, F. M. Jiménez-Estebaran, B. Tang, A. Drazdauskas, S. Sousa, S. Duffau, P. Jofré, G. Gilmore, S. Feltzing, E. Alfaro, T. Bensby, E. Flaccomio, S. Koposov, A. Lanzafame, R. Smiljanic, A. Bayo, G. Carraro, A. R. Casey, M. T. Costado, F. Damiani, E. Franciosini, A. Hourihane, C. Lardo, J. Lewis, L. Monaco, L. Morbidelli, G. Sacco, L. Sbordone, C. C. Worley and S. Zaggia:* The Gaia-ESO Survey: radial distribution of abundances in the Galactic disc from open clusters and young-field stars. *Astronomy and Astrophysics* **603**, id.A2 (20 pp) (2017)

*Mansheim, A. S., B. C. Lemaux, A. R. Tomczak, L. M. Lubin, N. Rumbaugh, P.-F. Wu, R. R. Gal, L. Shen, W. A. Dawson and G. K. Squires:* Suppressed star formation by a merging cluster system. Monthly Notices of the Royal Astronomical Society **469**, L20-L25 (2017)

*Marković, K., W. J. Percival, M. Scudeggio, A. Ealet, S. Wachter, B. Garilli, L. Guzzo, R. Scaramella, E. Maiorano and J. Amiaux:* Large-scale retrospective relative spectrophotometric self-calibration in space. Monthly Notices of the Royal Astronomical Society **467**, 3677-3698 (2017)

*Martell, S. L., S. Sharma, S. Buder, L. Duong, K. J. Schlesinger, J. Simpson, K. Lind, M. Ness, J. P. Marshall, M. Asplund, J. Bland-Hawthorn, A. R. Casey, G. De Silva, K. C. Freeman, J. Kos, J. Lin, D. B. Zucker, T. Zwitter, B. Anguiano, C. Bacigalupo, D. Carollo, L. Casagrande, G. S. Da Costa, J. Horner, D. Huber, E. A. Hyde, P. R. Kafle, G. F. Lewis, D. Nataf, C. A. Navin, D. Stello, C. G. Tinney, F. G. Watson and R. Wittenmyer:* The GALAH survey: observational overview and Gaia DR1 companion. Monthly Notices of the Royal Astronomical Society **465**, 3203-3219 (2017)

*Martin, N. F., D. R. Weisz, S. M. Albers, E. Bernard, M. L. M. Collins, A. E. Dolphin, A. M. N. Ferguson, R. A. Ibata, B. Laevens, G. F. Lewis, A. D. Mackey, A. McConnachie, R. M. Rich and E. D. Skillman:* A rogues' gallery of Andromeda's dwarf galaxies. I. A predominance of red horizontal branches. *The Astrophysical Journal* **850**, id. 16 (10 pp) (2017)

*Martínez-Vázquez, C. E., M. Monelli, E. J. Bernard, C. Gallart, P. B. Stetson, E. D. Skillman, G. Bono, S. Cassisi, G. Fiorentino, K. B. W. McQuinn, A. A. Cole, A. W. McConnachie, N. F. Martin, A. E. Dolphin, M. Boylan-Kolchin, A. Aparicio, S. L. Hidalgo and D. R. Weisz:* The ISLAnds Project. III. Variable Stars in Six Andromeda Dwarf Spheroidal Galaxies. *The Astrophysical Journal* **850**, id. 137 ( 26 pp) (2017)

*Martocchia, S., N. Bastian, C. Usher, V. Kozhurina-Platais, F. Niederhofer, I. Cabrera-Ziri, E. Dalessandro, K. Hollyhead, N. Kacharov, C. Lardo, S. Larsen, A. Mucciarelli, I. Platais, M. Salaris, M. Cordero, D. Geisler, M. Hilker, C. Li and D. Mackey:* The search for multiple populations in Magellanic Cloud Clusters – III. No evidence for multiple populations in the SMC cluster NGC 419. Monthly Notices of the Royal Astronomical Society **468**, 3150-3158 (2017)

*Mas-Ribas, L., J. F. Hennawi, M. Dijkstra, F. B. Davies, J. Stern and H.-W. Rix:* Small-scale intensity mapping: Extended halos as a probe of the ionizing escape fraction and faint galaxy populations during reionization. *The Astrophysical Journal* **846**, id. 11 (9 pp) (2017)

*Mastrobuono-Battisti, A. and H. B. Perets:* The composition of Solar system asteroids and Earth/Mars moons, and the Earth-Moon composition similarity. Monthly Notices of the Royal Astronomical Society **469**, 3597-3609 (2017)

*Mathur, S., A. Gupta, K. Page, R. W. Pogge, Y. Krongold, M. R. Goad, S. M. Adams, M. D. Anderson, P. Arévalo, A. J. Barth, C. Bazhaw, T. G. Beatty, M. C. Bentz, A. Bigley, S. Bisogni, G. A. Borman, T. A. Borošon, M. C. Bottorff, W. N. Brandt, A. A. Breeveld, J. E. Brown, J. S. Brown, E. M. Cackett, G. Canalizo, M. T. Carini, K. I. Clubb, J. M. Comerford, C. T. Coker, E. M. Corsini, D. M. Crenshaw, S. Croft, K. V. Croxall, E. Dalla Bontà, A. J. Deason, K. D. Denney, A.*

*De Lorenzo-Cáceres, G. De Rosa, M. Dietrich, R. Edelson, J. Ely, M. Eracleous, P. A. Evans, M. M. Fausnaugh, G. J. Ferland, A. V. Filippenko, K. Flatland, O. D. Fox, E. L. Gates, N. Gehrels, S. Geier, J. M. Gelbord, V. Gorjian, J. E. Greene, C. J. Grier, D. Grupe, P. B. Hall, C. B. Henderson, S. Hicks, E. Holmbeck, T. W.-S. Holoien, D. Horenstein, K. Horne, T. Hutchison, M. Im, J. J. Jensen, C. A. Johnson, M. D. Joner, J. Jones, J. Kastra, S. Kaspi, B. C. Kelly, P. L. Kelly, J. A. Kennea, M. Kim, S. Kim, S. C. Kim, A. King, S. A. Klimanov, C. S. Kochanek, K. T. Korista, G. A. Kriss, M. W. Lau, J. C. Lee, D. C. Leonard, M. Li, P. Lira, Z. Ma, F. MacInnis, E. R. Manne-Nicholas, M. A. Malkan, J. C. Mauerhan, R. McGurk, I. M. McHardy, C. Montouri, L. Morelli, A. Mosquera, D. Mudd, F. Muller-Sánchez, R. Musso, S. V. Nazarov, H. Netzer, M. L. Nguyen, R. P. Norris, J. A. Nousek, P. Ochner, D. N. Okhmat, B. Ou-Yang, A. Pancoast, I. Papadakis, J. R. Parks, L. Pei, B. M. Peterson, A. Pizzella, R. Poleski, J.-U. Pott, S. E. Rafter, H.-W. Rix, J. Runnoe, D. A. Saylor, J. S. Schimoia, K. Schnülle, S. G. Sergeev, B. J. Shappee, I. Shivvers, M. Siegel, G. V. Simonian, A. Siviero, A. Skielboe, G. Somers, M. Spencer, D. Starkey, D. J. Stevens, H.-I. Sung, J. Tayar, N. Tejos, C. S. Turner, P. Uttley, J. Van Saders, M. Vestergaard, L. Vican, S. Villanueva, Jr., C. Villforth, Y. Weiss, J.-H. Woo, H. Yan, S. Young, H. Yuk, W. Zheng, W. Zhu and Y. Zu:* Space Telescope and Optical Reverberation Mapping Project. VII. Understanding the ultraviolet anomaly in NGC 5548 with X-ray spectroscopy. The Astrophysical Journal **846**, id. 55 (9 pp) (2017)

*Mazzucchelli, C., E. Bañados, R. Decarli, E. P. Farina, B. P. Venemans, F. Walter and R. Overzier:* No overdensity of Lyman-alpha emitting galaxies around a quasar at  $z \sim 5.7$ . The Astrophysical Journal **834**, id. 83 (13 pp) (2017)

*Mazzucchelli, C., E. Bañados, B. P. Venemans, R. Decarli, E. P. Farina, F. Walter, A.-C. Eilers, H.-W. Rix, R. Simcoe, D. Stern, X. Fan, E. Schlafly, G. De Rosa, J. Hennawi, K. C. Chambers, J. Greiner, W. Burgett, P. W. Draper, N. Kaiser, R.-P. Kudritzki, E. Magnier, N. Metcalfe, C. Waters and R. J. Wainscoat:* Physical properties of 15 quasars at  $z > 6.5$ . The Astrophysical Journal **849**, id. 91 (26 pp) (2017)

*McCoy, M., J. Ott, D. S. Meier, S. Muller, D. Espada, S. Martín, F. P. Israel, C. Henkel, V. Impellizzeri, S. Aalto, P. G. Edwards, A. Brunthaler, N. Neumayer, A. B. Peck, P. van der Werf and I. Feain:* ALMA observations of the physical and chemical conditions in Centaurus A. The Astrophysical Journal **851**, id. 76 (24 pp) (2017)

*Meléndez, J., M. Bedell, J. L. Bean, I. Ramírez, M. Asplund, S. Dreizler, H.-L. Yan, J.-R. Shi, K. Lind, S. Ferraz-Mello, J. Y. Galarza, L. dos Santos, L. Spina, M. T. Maia, A. Alves-Brito, T. Monroe and L. Casagrande:* The Solar Twin Planet Search. V. Close-in, low-mass planet candidates and evidence of planet accretion in the solar twin HIP 68468. Astronomy and Astrophysics **597**, id. A34 (12 pp) (2017)

*Méndez-Abreu, J., T. Ruiz-Lara, L. Sánchez-Menguiano, A. de Lorenzo-Cáceres, L. Costantin, C. Catalán-Torrecilla, E. Florido, J. A. L. Aguerri, J. Bland-Hawthorn, E. M. Corsini, R. J. Dettmar, L. Galbany, R. García-Benito, R. A. Marino, I. Márquez, R. A. Ortega-Minakata, P. Papaderos, S. F. Sánchez, P. Sánchez-Blazquez, K. Spekkens, G. van de Ven, V. Wild and B. Ziegler:* Two-dimensional multi-component photometric decomposition of CALIFA galaxies. Astronomy and Astrophysics **598**, id. A32 (18 pp) (2017)

*Merle, T., S. Van Eck, A. Jorissen, M. Van der Swaelmen, T. Masseron, T. Zwitter, D. Hatzidimitriou, A. Klutsch, D. Pourbaix, R. Blomme, C. C. Worley, G. Sacco, J. Lewis, C. Abia, G. Traven, R. Sordo, A. Bragaglia, R. Smiljanic, E. Pancino, F. Damiani, A. Hourihane, G. Gilmore, S. Randich, S. Koposov, A. Casey, L. Morbidelli, E. Franciosini, L. Magrini, P. Jofre, M. T. Costado, R. D. Jeffries, M. Bergemann, A. C. Lanzafame, A. Bayo, G. Carraro, E. Flaccomio, L. Monaco and S. Zaggia:* The Gaia-ESO Survey: double-, triple-, and quadruple-line spectroscopic binary candidates. Astronomy and Astrophysics **608**, id. A95 (34 pp) (2017)

*Miettinen, O., I. Delvecchio, V. Smolčić, M. Aravena, D. Brisbin, A. Karim, B. Magnelli, M. Novak, E. Schinnerer, M. Albrecht, H. Aussel, F. Bertoldi, P. L. Capak, C. M. Casey, C. C. Hayward, O. Ilbert, H. T. Intema, C. Jiang, O. Le Fèvre, H. J. McCracken, A. M. Muñoz Arancibia, F. Navarrete, N. D. Padilla, D. A. Riechers, M. Salvato, K. S. Scott, K. Sheth and L. A. M. Tasca:* An ALMA survey of submillimetre galaxies in the COSMOS field: Physical properties derived from energy balance spectral energy distribution modelling. Astronomy and

Astrophysics **606**, id. A17 (43 pp) (2017)

*Miettinen, O., I. Delvecchio, V. Smolčić, M. Novak, M. Aravena, A. Karim, E. J. Murphy, E. Schinnerer, P. Capak, O. Ilbert, H. T. Intema, C. Laigle and H. J. McCracken:* (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies. IV. Physical properties derived from spectral energy distributions. *Astronomy and Astrophysics* **597**, id. A5 (28 pp) (2017)

*Miettinen, O., M. Novak, V. Smolčić, I. Delvecchio, M. Aravena, D. Brisbin, A. Karim, E. J. Murphy, E. Schinnerer, M. Albrecht, H. Aussel, F. Bertoldi, P. L. Capak, C. M. Casey, F. Civano, C. C. Hayward, N. Herrera Ruiz, O. Ilbert, C. Jiang, C. Laigle, O. Le Fèvre, B. Magnelli, S. Marchesi, H. J. McCracken, E. Middelberg, A. M. Muñoz Arancibia, F. Navarrete, N. D. Padilla, D. A. Riechers, M. Salvato, K. S. Scott, K. Sheth, L. A. M. Tasca, M. Bondi and G. Zamorani:* An ALMA survey of submillimetre galaxies in the COSMOS field: The extent of the radio-emitting region revealed by 3 GHz imaging with the Very Large Array. *Astronomy and Astrophysics* **602**, id. A54 (31 pp) (2017)

*Minchev, I., M. Steinmetz, C. Chiappini, M. Martig, F. Anders, G. Matijevic and R. S. de Jong:* The relationship between mono-abundance and mono-age stellar populations in the Milky Way disk. *The Astrophysical Journal* **834**, id. 27 (7 pp) (2017)

*Momcheva, I. G., P. G. van Dokkum, A. van der Wel, G. B. Brammer, J. MacKenty, E. J. Nelson, J. Leja, A. Muzzin and M. Franx:* A new method for wide-field near-IR imaging with the Hubble Space Telescope. *Publications of the Astronomical Society of the Pacific* **129**, id. 015004 (15 pp) (2017)

*Mowlavi, N., I. Lecoeur-Taïbi, B. Holl, L. Rimoldini, F. Barblan, A. Prša, A. Kochoska, M. Süveges, L. Eyer, K. Nienartowicz, G. Jevardat, J. Charnas, L. Guy and M. Audard:* Gaia eclipsing binary and multiple systems. Two-Gaussian models applied to OGLE-III eclipsing binary light curves in the Large Magellanic Cloud. *Astronomy and Astrophysics* **606**, id. A92 (21 pp) (2017)

*Mróz, P., C. Han, and, A. Udalski, R. Poleski, J. Skowron, M. K. Szymański, I. Soszyński, P. Pietrukowicz, S. Kozłowski, K. Ulaczyk, Ł. Wyrzykowski, M. Pawlak, O. group, M. D. Albrow, S.-M. Cha, S.-J. Chung, Y. K. Jung, D.-J. Kim, S.-L. Kim, C.-U. Lee, Y. Lee, B.-G. Park, R. W. Pogge, Y.-H. Ryu, I.-G. Shin, J. C. Yee, W. Zhu and A. Gould:* OGLE-2016-BLG-0596Lb: A high-mass planet from a high-magnification pure-survey microlensing event. *The Astronomical Journal* **153**, id. 143 (11 pp) (2017)

*Nanayakkara, T., K. Glazebrook, G. G. Kacprzak, T. Yuan, D. Fisher, K.-V. Tran, L. J. Kewley, L. Spitler, L. Alcorn, M. Cowley, I. Labbe, C. Straatman and A. Tomczak:* ZFIRE: using H $\alpha$  equivalent widths to investigate the in situ initial mass function at  $z \sim 2$ . *Monthly Notices of the Royal Astronomical Society* **468**, 3071-3108 (2017)

*Neumann, J., L. Wisotzki, O. S. Choudhury, D. A. Gadotti, C. J. Walcher, J. Bland-Hawthorn, R. García-Benito, R. M. González Delgado, B. Husemann, R. A. Marino, I. Márquez, S. F. Sánchez, B. Ziegler and C. Collaboration:* A combined photometric and kinematic recipe for evaluating the nature of bulges using the CALIFA sample. *Astronomy and Astrophysics* **604**, id. A30 (15 pp) (2017)

*Nguyen, D. D., A. C. Seth, M. den Brok, N. Neumayer, M. Cappellari, A. J. Barth, N. Caldwell, B. F. Williams and B. Binder:* Improved dynamical constraints on the mass of the central black hole in NGC 404. *The Astrophysical Journal* **836**, id. 237 (21 pp) (2017)

*Nidever, D. L., K. Olsen, A. R. Walker, A. K. Vivas, R. D. Blum, C. Kaleida, Y. Choi, B. C. Conn, R. A. Gruendl, E. F. Bell, G. Besla, R. R. Muñoz, C. Gallart, N. F. Martin, E. W. Olszewski, A. Saha, A. Monachesi, M. Monelli, T. J. L. de Boer, L. C. Johnson, D. Zaritsky, G. S. Stringfellow, R. P. van der Marel, M.-R. L. Cioni, S. Jin, S. R. Majewski, D. Martinez-Delgado, L. Monteagudo, N. E. D. Noël, E. J. Bernard, A. Kunder, Y.-H. Chu, C. P. M. Bell, F. Santana, J. Frechem, G. E. Medina, V. Parkash, J. C. Serón Navarrete and C. Hayes:* SMASH: Survey of the MAgellanic Stellar History. *The Astronomical Journal* **154**, id. 199 (25 pp) (2017)

*Niederhofer, F., N. Bastian, V. Kozhurina-Platais, S. Larsen, K. Hollyhead, C. Lardo, I. Cabrera-Ziri, N. Kacharov, I. Platais, M. Salaris, M. Cordero, E. Dalessandro, D. Geisler, M. Hilker, C. Li, D. Mackey and A. Mucciarelli:* The search for multiple populations in Magellanic Cloud clusters - II. The detection of multiple populations in three intermediate-age SMC clusters. Monthly Notices of the Royal Astronomical Society **465**, 4159-4165 (2017)

*Niederhofer, F., N. Bastian, V. Kozhurina-Platais, S. Larsen, M. Salaris, E. Dalessandro, A. Mucciarelli, I. Cabrera-Ziri, M. Cordero, D. Geisler, M. Hilker, K. Hollyhead, N. Kacharov, C. Lardo, C. Li, D. Mackey and I. Platais:* The search for multiple populations in Magellanic Cloud clusters - I. Two stellar populations in the Small Magellanic Cloud globular cluster NGC 121. Monthly Notices of the Royal Astronomical Society **464**, 94-103 (2017)

*Nordlander, T., A. M. Amarsi, K. Lind, M. Asplund, P. S. Barklem, A. R. Casey, R. Collet and J. Leenaarts:* 3D NLTE analysis of the most iron-deficient star, SMSS0313-6708. Astronomy and Astrophysics **597**, id. A6 (16 pp) (2017)

*Nordlander, T. and K. Lind:* Non-LTE aluminium abundances in late-type stars. Astronomy and Astrophysics **607**, id. A75 (20 pp) (2017)

*Novak, M., V. Smolčić, J. Delhaize, I. Delvecchio, G. Zamorani, N. Baran, M. Bondi, P. Capak, C. L. Carilli, P. Ciliegi, F. Civano, O. Ilbert, A. Karim, C. Laigle, O. Le Fèvre, S. Marchesi, H. McCracken, O. Miettinen, M. Salvato, M. Sargent, E. Schinnerer and L. Tasca:* The VLA-COSMOS 3 GHz Large Project: Cosmic star formation history since  $z \sim 5$ . Astronomy and Astrophysics **602**, id. A5 (17 pp) (2017)

*Oh, S., A. M. Price-Whelan, D. W. Hogg, T. D. Morton and D. N. Spergel:* Comoving stars in Gaia DR1: An abundance of very wide separation comoving pairs. The Astronomical Journal **153**, id. 257 (11 pp) (2017)

*Oñorbe, J., J. F. Hennawi and Z. Lukić:* Self-consistent modeling of reionization in cosmological hydrodynamical simulations. The Astrophysical Journal **837**, id. 106 (26 pp) (2017)

*Oñorbe, J., J. F. Hennawi, Z. Lukić and M. Walther:* Constraining Reionization with the  $z \sim 5$ -6 Ly $\alpha$  forest power spectrum: The outlook after Planck. The Astrophysical Journal **847**, id. 63 (13 pp) (2017)

*Pandya, V., R. Brennan, R. S. Somerville, E. Choi, G. Barro, S. Wuyts, E. N. Taylor, P. Behroozi, A. Kirkpatrick, S. M. Faber, J. Primack, D. C. Koo, D. H. McIntosh, D. Kocevski, E. F. Bell, A. Dekel, J. J. Fang, H. C. Ferguson, N. Grogin, A. M. Koekemoer, Y. Lu, K. Mantha, B. Mobasher, J. Newman, C. Pacifici, C. Papovich, A. van der Wel and H. M. Yesuf:* The nature of massive transition galaxies in CANDELS, GAMA and cosmological simulations. Monthly Notices of the Royal Astronomical Society **472**, 2054-2084 (2017)

*Pâris, I., P. Petitjean, N. P. Ross, A. D. Myers, É. Aubourg, A. Streblyanska, S. Bailey, É. Armengaud, N. Palanque-Delabrouille, C. Yèche, F. Hamann, M. A. Strauss, F. D. Albareti, J. Bovy, D. Bizyaev, W. Niel Brandt, M. Brusa, J. Buchner, J. Comparat, R. A. C. Croft, T. Dwelly, X. Fan, A. Font-Ribera, J. Ge, A. Georgakakis, P. B. Hall, L. Jiang, K. Kinemuchi, E. Malanushenko, V. Malanushenko, R. G. McMahon, M.-L. Menzel, A. Merloni, K. Nandra, P. Noterdaeme, D. Oravetz, K. Pan, M. M. Pieri, F. Prada, M. Salvato, D. J. Schlegel, D. P. Schneider, A. Simmons, M. Viel, D. H. Weinberg and L. Zhu:* The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. Astronomy and Astrophysics **597**, id. A79 (25 pp) (2017)

*Patrick, L. R., C. J. Evans, B. Davies, R.-P. Kudritzki, A. M. N. Ferguson, M. Bergemann, G. Pietrzyński and O. Turner:* Physical properties of the first spectroscopically confirmed red supergiant stars in the Sculptor Group galaxy NGC 55. Monthly Notices of the Royal Astronomical Society **468**, 492-500 (2017)

*Pei, L., M. M. Fausnaugh, A. J. Barth, B. M. Peterson, M. C. Bentz, G. De Rosa, K. D. Denney, M. R. Goad, C. S. Kochanek, K. T. Korista, G. A. Kriss, R. W. Pogge, V. N. Bennett, M.*

*Brotherton, K. I. Clubb, E. Dalla Bontà, A. V. Filippenko, J. E. Greene, C. J. Grier, M. Vestergaard, W. Zheng, S. M. Adams, T. G. Beatty, A. Bigley, J. E. Brown, J. S. Brown, G. Canalizo, J. M. Comerford, C. T. Coker, E. M. Corsini, S. Croft, K. V. Croxall, A. J. Deason, M. Eracleous, O. D. Fox, E. L. Gates, C. B. Henderson, E. Holmbeck, T. W.-S. Holoien, J. J. Jensen, C. A. Johnson, P. L. Kelly, S. Kim, A. King, M. W. Lau, M. Li, C. Lochhaas, Z. Ma, E. R. Manne-Nicholas, J. C. Mauerhan, M. A. Malkan, R. McGurk, L. Morelli, A. Mosquera, D. Mudd, F. Muller Sanchez, M. L. Nguyen, P. Ochner, B. Ou-Yang, A. Pancoast, M. T. Penny, A. Pizzella, R. Poleski, J. Runnoe, B. Scott, J. S. Schimoia, B. J. Shappee, I. Shivvers, G. V. Simonian, A. Siviero, G. Somers, D. J. Stevens, M. A. Strauss, J. Tayar, N. Tejos, T. Treu, J. Van Saders, L. Vican, S. Villanueva, Jr., H. Yuk, N. L. Zakamska, W. Zhu, M. D. Anderson, P. Arévalo, C. Bazhaw, S. Bisogni, G. A. Borman, M. C. Bottorff, W. N. Brandt, A. A. Breeveld, E. M. Cackett, M. T. Carini, D. M. Crenshaw, A. De Lorenzo-Cáceres, M. Dietrich, R. Edelson, N. V. Efimova, J. Ely, P. A. Evans, G. J. Ferland, K. Flatland, N. Gehrels, S. Geier, J. M. Gelbord, D. Grupe, A. Gupta, P. B. Hall, S. Hicks, D. Horenstein, K. Horne, T. Hutchison, M. Im, M. D. Joner, J. Jones, J. Kaastra, S. Kaspi, B. C. Kelly, J. A. Kennea, M. Kim, S. C. Kim, S. A. Klimanov, J. C. Lee, D. C. Leonard, P. Lira, F. MacInnis, S. Mathur, I. M. McHardy, C. Montouri, R. Musso, S. V. Nazarov, H. Netzer, R. P. Norris, J. A. Nousek, D. N. Okhmat, I. Papadakis, J. R. Parks, J.-U. Pott, S. E. Rafter, H.-W. Rix, D. A. Saylor, K. Schnüller, S. G. Sergeev, M. Siegel, A. Skielboe, M. Spencer, D. Starkey, H.-I. Sung, K. G. Teems, C. S. Turner, P. Uttley, C. Villforth, Y. Weiss, J.-H. Woo, H. Yan, S. Young and Y. Zu: Space Telescope and Optical Reverberation Mapping Project. V. Optical spectroscopic campaign and emission-line analysis for NGC 5548. The Astrophysical Journal **837**, id. 131 (21 pp) (2017)*

*Pérez, I., I. Martínez-Valpuesta, T. Ruiz-Lara, A. de Lorenzo-Cáceres, J. Falcón-Baroso, E. Florido, R. M. González Delgado, M. Lyubenova, R. A. Marino, S. F. Sánchez, P. Sánchez-Blázquez, G. van de Ven and A. Zurita: Observational constraints to boxy/peanut bulge formation time. Monthly Notices of the Royal Astronomical Society **470**, L122-L126 (2017)*

*Perley, R. A. and K. Meisenheimer: High-fidelity VLA imaging of the radio structure of 3C 273. Astronomy and Astrophysics **601**, id. A35 (9 pp) (2017)*

*Pieres, A., B. X. Santiago, A. Drlica-Wagner, K. Bechtol, R. P. v. d. Marel, G. Besla, N. F. Martin, V. Belokurov, C. Gallart, D. Martinez-Delgado, J. Marshall, N. E. D. Nöel, S. R. Majewski, M.-R. L. Cioni, T. S. Li, W. Hartley, E. Luque, B. C. Conn, A. R. Walker, E. Balbinot, G. S. Stringfellow, K. A. G. Olsen, D. Nidever, L. N. da Costa, R. Ogando, M. Maia, A. F. Neto, T. M. C. Abbott, F. B. Abdalla, S. Allam, J. Annis, A. Benoit-Lévy, A. C. Rosell, M. C. Kind, J. Carretero, C. E. Cunha, C. B. D'Andrea, S. Desai, H. T. Diehl, P. Doel, B. Flaugher, P. Fosalba, J. García-Bellido, D. Gruen, R. A. Gruendl, J. Gschwend, G. Gutierrez, K. Honscheid, D. James, K. Kuehn, N. Kuropatkin, F. Menanteau, R. Miquel, A. A. Plazas, A. K. Romer, M. Sako, E. Sanchez, V. Scarpine, M. Schubnell, I. Sevilla-Noarbe, R. C. Smith, M. Soares-Santos, F. Sobreira, E. Suchyta, M. E. C. Swanson, G. Tarle, D. L. Tucker and W. Wester: A stellar overdensity associated with the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society **468**, 1349-1360 (2017)*

*Pop, A.-R., A. Pillepich, N. Amorisco and L. Hernquist: Galaxies with shells in the Illustris simulation: Metallicity signatures. Galaxies **5**, id. 34 (15 pp) (2017)*

*Popping, G., R. Decarli, A. W. S. Man, E. J. Nelson, M. Béthermin, C. De Breuck, V. Mainieri, P. G. van Dokkum, B. Gullberg, E. van Kampen, M. Spaans and S. C. Trager: ALMA reveals starburst-like interstellar medium conditions in a compact star-forming galaxy at z 2 using [CI] and CO. Astronomy and Astrophysics **602**, id. A11 (10 pp) (2017)*

*Portail, M., O. Gerhard, C. Wegg and M. Ness: Dynamical modelling of the galactic bulge and bar: the Milky Way's pattern speed, stellar and dark matter mass distribution. Monthly Notices of the Royal Astronomical Society **465**, 1621-1644 (2017)*

*Portail, M., C. Wegg, O. Gerhard and M. Ness: Chemodynamical modelling of the galactic bulge and bar. Monthly Notices of the Royal Astronomical Society **470**, 1233-1252 (2017)*

*Price-Whelan, A. M., D. W. Hogg, D. Foreman-Mackey and H.-W. Rix: The joker: A custom Monte Carlo sampler for binary-star and exoplanet radial velocity data. The Astrophysical*

Journal **837**, id. 20 (14 pp) (2017)

*Privon, G. C., S. Aalto, N. Falstad, S. Muller, E. González-Alfonso, K. Sliwa, E. Treister, F. Costagliola, L. Armus, A. S. Evans, S. García-Burillo, T. Izumi, K. Sakamoto, P. van der Werf and J. K. Chu:* The dense molecular gas and nuclear activity in the ULRG IRAS 13120-5453. The Astrophysical Journal **835**, id. 213 (17 pp) (2017)

*Prochaska, J. X., J. K. Werk, G. Worseck, T. M. Tripp, J. Tumlinson, J. N. Burchett, A. J. Fox, M. Fumagalli, N. Lehner, M. S. Peeples and N. Tejos:* The COS-Halos Survey: Metallicities in the low-redshift circumgalactic medium. The Astrophysical Journal **837**, id. 169 (21 pp) (2017)

*Przybilla, N., P. Aschenbrenner and S. Buder:* Candidate exoplanet host HD 131399A: a nascent Am star. Astronomy and Astrophysics **604**, id. L9 (9 pp) (2017)

*Qian, Q., C. Fendt, S. Noble and M. Bugli:* rHARM: Accretion and ejection in resistive GR-MHD. The Astrophysical Journal **834**, id. 29 (20 pp) (2017)

*Ramírez-Agudelo, O. H., H. Sana, A. de Koter, F. Tramper, N. J. Grin, F. R. N. Schneider, N. Langer, J. Puls, N. Markova, J. M. Bestenlehner, N. Castro, P. A. Crowther, C. J. Evans, M. García, G. Gräfener, A. Herrero, B. van Kempen, D. J. Lennon, J. Maíz Apellániz, F. Najarro, C. Sabín-Sanjuán, S. Simón-Díaz, W. D. Taylor and J. S. Vink:* The VLT-FLAMES Tarantula Survey . XXIV. Stellar properties of the O-type giants and supergiants in 30 Doradus. Astronomy and Astrophysics **600**, id. A81 (82 pp) (2017)

*Reggiani, H., J. Meléndez, C. Kobayashi, A. Karakas and V. Placco:* Constraining cosmic scatter in the Galactic halo through a differential analysis of metal-poor stars. Astronomy and Astrophysics **608**, id. A46 (26 pp) (2017)

*Rezaei Kh., S., C. A. L. Bailer-Jones, R. J. Hanson and M. Fouesneau:* Inferring the three-dimensional distribution of dust in the Galaxy with a non-parametric method. Preparing for Gaia. Astronomy and Astrophysics **598**, id. A125 (15 pp) (2017)

*Richtler, T., B. Husemann, M. Hilker, T. H. Puzia, F. Bresolin and M. Gómez:* The globular cluster system of NGC 1316. IV. Nature of the star cluster complex SH2. Astronomy and Astrophysics **601**, id. A28 (10 pp) (2017)

*Rodeghiero, G., F. Gini, N. Marchili, P. Jain, J. P. Ralston, D. Dallacasa, G. Naletto, A. Possenti, C. Barbieri, A. Franceschini and L. Zampieri:* Probing interferometric parallax with interplanetary spacecraft. Advances in Space Research **60**, 153-165 (2017)

*Rodríguez-Gómez, V., L. V. Sales, S. Genel, A. Pillepich, J. Zjupa, D. Nelson, B. Griffen, P. Torrey, G. F. Snyder, M. Vogelsberger, V. Springel, C.-P. Ma and L. Hernquist:* The role of mergers and halo spin in shaping galaxy morphology. Monthly Notices of the Royal Astronomical Society **467**, 3083-3098 (2017)

*Roelens, M., L. Eyer, N. Mowlavi, I. Lecoeur-Taïbi, L. Rimoldini, S. Blanco-Cuaresma, L. Palaversa, M. Sütőves, J. Charnas and T. Wevers:* Short time-scale variables in the Gaia era: detection and characterization by structure function analysis. Monthly Notices of the Royal Astronomical Society **472**, 3230-3245 (2017)

*Rojas-Arriagada, A., A. Recio-Blanco, P. de Laverny, Š. Mikolaitis, F. Matteucci, E. Spitoni, M. Schultheis, M. Hayden, V. Hill, M. Zoccali, D. Minniti, O. A. Gonzalez, G. Gilmore, S. Randich, S. Feltzing, E. J. Alfaro, C. Babusiaux, T. Bensby, A. Bragaglia, E. Flaccomio, S. E. Koposov, E. Pancino, A. Bayo, G. Carraro, A. R. Casey, M. T. Costado, F. Damiani, P. Donati, E. Franciosini, A. Hourihane, P. Jofré, C. Lardo, J. Lewis, K. Lind, L. Magrini, L. Morbidelli, G. G. Sacco, C. C. Worley and S. Zaggia:* The Gaia-ESO Survey: Exploring the complex nature and origins of the Galactic bulge populations. Astronomy and Astrophysics **601**, id. A140, 17 pp. (2017)

*Rorai, A., J. F. Hennawi, J. Oñorbe, M. White, J. X. Prochaska, G. Kulkarni, M. Walther, Z. Lukic and K.-G. Lee:* Measurement of the small-scale structure of the intergalactic medium using close quasar pairs. Science **356**, 418-422 (2017)

*Rosenfield, P., L. Girardi, B. F. Williams, L. C. Johnson, A. Dolphin, A. Bressan, D. Weisz, J. J. Dalcanton, M. Fouesneau and J. Kalirai:* A new approach to convective core overshooting: Probabilistic constraints from color-magnitude diagrams of LMC clusters. *The Astrophysical Journal* **841**, id. 69 (17 pp) (2017)

*Rudnick, G., J. Hodge, F. Walter, I. Momcheva, K.-V. Tran, C. Papovich, E. da Cunha, R. Decarli, A. Saintonge, C. Willmer, J. Lotz and L. Lentati:* Deep CO(1–0) observations of  $z = 1.62$  cluster galaxies with substantial molecular gas reservoirs and normal star formation efficiencies. *The Astrophysical Journal* **849**, id. 27 (18 pp) (2017)

*Ruiz-Lara, T., I. Pérez, E. Florido, P. Sánchez-Blázquez, J. Méndez-Abreu, L. Sánchez-Menguiano, S. F. Sánchez, M. Lyubenova, J. Falcón-Baroso, G. van de Ven, R. A. Marino, A. de Lorenzo-Cáceres, C. Catalán-Torrecilla, L. Costantin, J. Bland-Hawthorn, L. Galbany, R. García-Benito, B. Husemann, C. Kehrig, I. Márquez, D. Mast, C. J. Walcher, S. Zibetti, B. Ziegler and C. Team:* Observational hints of radial migration in disc galaxies from CALIFA. *Astronomy and Astrophysics* **604**, id. A4 (26 pp) (2017)

*Rumbaugh, N., B. C. Lemaux, A. Tomczak, D. D. Kocevski, L. M. Lubin, P.-F. Wu, R. R. Gal, L. Shen, A. Mansheim, C. D. Fassnacht and G. K. Squires:* X-ray-emitting active galactic nuclei from  $z = 0.6$  to 1.3 in the intermediate- and high-density environments of the ORELSE survey. *Monthly Notices of the Royal Astronomical Society* **466**, 496–519 (2017)

*Rybicki, J., A. Just and H.-W. Rix:* Chempy: A flexible chemical evolution model for abundance fitting. Do the Sun's abundances alone constrain chemical evolution models? *Astronomy and Astrophysics* **605**, id. A59 (19 pp) (2017)

*Ryu, Y.-H., A. Udalski, J. C. Yee, M. D. Albrow, S.-J. Chung, A. Gould, C. Han, K.-H. Hwang, Y. K. Jung, I.-G. Shin, W. Zhu, S.-M. Cha, D.-J. Kim, H.-W. Kim, S.-L. Kim, C.-U. Lee, Y. Lee, B.-G. Park, R. W. Pogge, T. K. Collaboration, P. Pietrukowicz, S. Kozłowski, R. Poleski, J. Skowron, P. Mróz, M. K. Szymański, I. Soszyński, M. Pawłak, K. Ulaczyk and T. O. Collaboration:* OGLE-2016-BLG-0693LB: Probing the brown dwarf desert with microlensing. *The Astronomical Journal* **154**, id. 247 (12 pp) (2017)

*Saito, T., D. Iono, C. K. Xu, K. Sliwa, J. Ueda, D. Espada, H. Kaneko, S. König, K. Nakanishi, M. Lee, M. S. Yun, S. Aalto, J. E. Hibbard, T. Yamashita, K. Motohara and R. Kawabe:* Spatially resolved CO SLED of the luminous merger remnant NGC 1614 with ALMA. *The Astrophysical Journal* **835**, id. 174 (20 pp) (2017)

*Sanchez-Bermudez, J., A. Alberdi, R. Barbá, J. M. Bestenlehner, F. Cantalloube, W. Brandner, T. Henning, C. A. Hummel, J. Maíz Apellániz, J.-U. Pott, R. Schödel and R. van Boekel:* GRAVITY spectro-interferometric study of the massive multiple stellar system HD 93206 A. *The Astrophysical Journal* **845**, id. 57 (13 pp) (2017)

*Scharwächter, J., B. Husemann, G. Busch, S. Komossa and M. A. Dopita:* Spatially resolved spectroscopy of narrow-line Seyfert 1 host galaxies. *The Astrophysical Journal* **848**, id. 35 (18 pp) (2017)

*Schiavon, R. P., O. Zamora, R. Carrera, S. Lucatello, A. C. Robin, M. Ness, S. L. Martell, V. V. Smith, D. A. García-Hernández, A. Manchado, R. Schönrich, N. Bastian, C. Chiappini, M. Shetrone, J. T. Mackereth, R. A. Williams, S. Mészáros, C. Allende Prieto, F. Anders, D. Bizyaev, T. C. Beers, S. D. Chojnowski, K. Cunha, C. Epstein, P. M. Frinchaboy, A. E. García Pérez, F. R. Hearty, J. A. Holtzman, J. A. Johnson, K. Kinemuchi, S. R. Majewski, D. Muna, D. L. Nidever, D. C. Nguyen, R. W. O'Connell, D. Oravetz, K. Pan, M. Pinsonneault, D. P. Schneider, M. Schultheis, A. Simmons, M. F. Skrutskie, J. Sobeck, J. C. Wilson and G. Zasowski:* Chemical tagging with APOGEE: discovery of a large population of N-rich stars in the inner Galaxy. *Monthly Notices of the Royal Astronomical Society* **465**, 501–524 (2017)

*Schininnerer, E., S. E. Meidt, D. Colombo, R. Chandar, C. L. Dobbs, S. García-Burillo, A. Hughes, A. K. Leroy, J. Pety, M. Querejeta, C. Kramer and K. F. Schuster:* The PdBI Arcsecond Whirlpool Survey (PAWS): The role of spiral arms in coud and star formation. The

*Astrophysical Journal* **836**, id. 62 (17 pp) (2017)

*Schmidt, T. M., G. Worseck, J. F. Hennawi, J. X. Prochaska and N. H. M. Crighton:* Statistical detection of the He II transverse proximity effect: Evidence for sustained quasar activity for > 25 million years. *The Astrophysical Journal* **847**, id. 81 (26 pp) (2017)

*Schruba, A., A. K. Leroy, J. M. D. Kruijssen, F. Bigiel, A. D. Bolatto, W. J. G. de Blok, L. Tacconi, E. F. van Dishoeck and F. Walter:* Physical properties of molecular clouds at 2 pc resolution in the low-metallicity dwarf galaxy NGC 6822 and the Milky Way. *The Astrophysical Journal* **835**, id. 278 (21 pp) (2017)

*Scoville, N., L. Murchikova, F. Walter, C. Vlahakis, J. Koda, P. Vanden Bout, J. Barnes, L. Hernquist, K. Sheth, M. Yun, D. Sanders, L. Armus, P. Cox, T. Thompson, B. Robertson, L. Zschaechner, L. Tacconi, P. Torrey, C. C. Hayward, R. Genzel, P. Hopkins, P. van der Werf and R. Decarli:* ALMA resolves the nuclear disks of Arp 220. *The Astrophysical Journal* **836**, id. 66 (18 pp) (2017)

*Sesar, B., M. Fouesneau, A. M. Price-Whelan, C. A. L. Bailer-Jones, A. Gould and H.-W. Rix:* A probabilistic approach to fitting period–luminosity relations and validating Gaia parallaxes. *The Astrophysical Journal* **838**, id. 107 (8 pp) (2017)

*Sesar, B., N. Hernitschek, M. I. P. Dierickx, M. A. Fardal and H.-W. Rix:* The > 100 kpc distant spur of the Sagittarius stream and the outer Virgo overdensity, as seen in PS1 RR Lyrae stars. *The Astrophysical Journal Letters* **844**, id. L4 (6 pp) (2017)

*Sesar, B., N. Hernitschek, S. Mitrović, Ž. Ivezić, H.-W. Rix, J. G. Cohen, E. J. Bernard, E. K. Grebel, N. F. Martin, E. F. Schlaflay, W. S. Burgett, P. W. Draper, H. Flewelling, N. Kaiser, R. P. Kudritzki, E. A. Magnier, N. Metcalfe, J. L. Tonry and C. Waters:* Machine-learned identification of RR Lyrae stars from sparse, multi-band data: The PS1 sample. *The Astronomical Journal* **153**, id. 204 (16 pp) (2017)

*Shao, Y., R. Wang, G. C. Jones, C. L. Carilli, F. Walter, X. Fan, D. A. Riechers, F. Bertoldi, J. Wagg, M. A. Strauss, A. Omont, P. Cox, L. Jiang, D. Narayanan and K. M. Menten:* Gas dynamics of a luminous  $z = 6.13$  quasar ULAS J1319+0950 revealed by ALMA high-resolution observations. *The Astrophysical Journal* **845**, id. 138 (7 pp) (2017)

*Shen, L., N. A. Miller, B. C. Lemaux, A. R. Tomczak, L. M. Lubin, N. Rumbaugh, C. D. Fassnacht, R. H. Becker, R. R. Gal, P.-F. Wu and G. Squires:* The properties of radio galaxies and the effect of environment in large-scale structures at  $z \sim 1$ . *Monthly Notices of the Royal Astronomical Society* **472**, 998–1022 (2017)

*Shin, I.-G., A. Udalski, J. C. Yee, S. Calchi Novati, C. Han, J. Skowron, P. Mróz, I. Soszyński, R. Poleski, M. K. Szymański, S. Kozłowski, P. Pietrukowicz, K. Ulaczyk, M. Pawlak, M. D. Albrow, A. Gould, S.-J. Chung, K.-H. Hwang, Y. K. Jung, Y.-H. Ryu, W. Zhu, S.-M. Cha, D.-J. Kim, H.-W. Kim, S.-L. Kim, C.-U. Lee, Y. Lee, B.-G. Park, R. W. Pogge, C. Beichman, G. Bryden, S. Carey, B. S. Gaudi, C. B. Henderson and Y. Shvartzvald:* OGLE-2016-BLG-0168 binary microlensing event: Prediction and confirmation of the microlens parallax effect from space-based observations. *The Astronomical Journal* **154**, id. 176 (12 pp) (2017)

*Shvartzvald, Y., G. Bryden, A. Gould, C. B. Henderson, S. B. Howell and C. Beichman:* UKIRT microlensing surveys as a pathfinder for WFIRST: The detection of five highly extinguished low-lbl Events. *The Astronomical Journal* **153**, id. 61 (5 pp) (2017)

*Shvartzvald, Y., J. C. Yee, S. Calchi Novati, A. Gould, C.-U. Lee, C. Beichman, G. Bryden, S. Carey, B. S. Gaudi, C. B. Henderson, W. Zhu, M. D. Albrow, S.-M. Cha, S.-J. Chung, C. Han, K.-H. Hwang, Y. K. Jung, D.-J. Kim, H.-W. Kim, S.-L. Kim, Y. Lee, B.-G. Park, R. W. Pogge, Y.-H. Ryu and I.-G. Shin:* An Earth-mass planet in a 1 au orbit around an ultracool dwarf. *The Astrophysical Journal Letters* **840**, id. L3 (7 pp) (2017)

*Si, S., D. A. van Dyk, T. von Hippel, E. Robinson, A. Webster and D. Stenning:* A hierarchical model for the ages of Galactic halo white dwarfs. *Monthly Notices of the Royal Astronomical*

Society **468**, 4374-4388 (2017)

*Skillman, E. D., M. Monelli, D. R. Weisz, S. L. Hidalgo, A. Aparicio, E. J. Bernard, M. Boylan-Kolchin, S. Cassisi, A. A. Cole, A. E. Dolphin, H. C. Ferguson, C. Gallart, M. J. Irwin, N. F. Martin, C. E. Martínez-Vázquez, L. Mayer, A. W. McConnachie, K. B. W. McQuinn, J. F. Navarro and P. B. Stetson:* The ISLAandS Project II: The Lifetime star-formation histories of six Andromeda DSPHS. *The Astrophysical Journal* **837**, id. 102 (23 pp) (2017)

*Skúladóttir, Á., E. Tolstoy, S. Salvadori, V. Hill and M. Pettini:* Zinc abundances in the Sculptor dwarf spheroidal galaxy. *Astronomy and Astrophysics* **606**, id. A71 (13 pp) (2017)

*Sliwa, K. and D. Downes:* PdBI U/LIRG Survey (PULS): Dense molecular gas in Arp 220 and NGC 6240. *Astronomy and Astrophysics* **604**, id. A2 (16 pp) (2017)

*Sliwa, K., C. D. Wilson, S. Aalto and G. C. Privon:* Extreme CO isotopic abundances in the ULIRG IRAS 13120-5453: An extremely young starburst or top-heavy initial mass function. *The Astrophysical Journal Letters* **840**, id. L11 (6 pp) (2017)

*Sliwa, K., C. D. Wilson, S. Matsushita, A. B. Peck, G. R. Petitpas, T. Saito and M. Yun:* Luminous infrared galaxies with the submillimeter array. V. Molecular gas in intermediate to late-stage mergers. *The Astrophysical Journal* **840**, id. 8 (15 pp) (2017)

*Smith, J. D. T., K. Croxall, B. Draine, I. De Looze, K. Sandstrom, L. Armus, P. Beirão, A. Bolatto, M. Boquien, B. Brandl, A. Crocker, D. A. Dale, M. Galametz, B. Groves, G. Helou, R. Herrera-Camus, L. Hunt, R. Kennicutt, F. Walter and M. Wolfire:* The spatially resolved [CII] cooling line deficit in galaxies. *The Astrophysical Journal* **834**, id. 5 (12 pp) (2017)

*Smolčić, V., I. Delvecchio, G. Zamorani, N. Baran, M. Novak, J. Delhaize, E. Schinnerer, S. Berta, M. Bondi, P. Ciliegi, P. Capak, F. Civano, A. Karim, O. Le Fevre, O. Ilbert, C. Laigle, S. Marchesi, H. J. McCracken, L. Tasca, M. Salvato and E. Vardoulaki:* The VLA-COSMOS 3 GHz Large Project: Multiwavelength counterparts and the composition of the faint radio population. *Astronomy and Astrophysics* **602**, id. A2 (21 pp) (2017)

*Smolčić, V., O. Miettinen, N. Tomičić, G. Zamorani, A. Finoguenov, B. C. Lemaux, M. Aravena, P. Capak, Y.-K. Chiang, F. Civano, I. Delvecchio, O. Ilbert, N. Jurlin, A. Karim, C. Laigle, O. Le Fèvre, S. Marchesi, H. J. McCracken, D. A. Riechers, M. Salvato, E. Schinnerer, L. Tasca and S. Toft:* (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies. III. Environments. *Astronomy and Astrophysics* **597**, id. A4 (22 pp) (2017)

*Smolčić, V., M. Novak, M. Bondi, P. Ciliegi, K. P. Mooley, E. Schinnerer, G. Zamorani, F. Navarrete, S. Bourke, A. Karim, E. Vardoulaki, S. Leslie, J. Delhaize, C. L. Carilli, S. T. Myers, N. Baran, I. Delvecchio, O. Miettinen, J. Banfield, M. Baloković, F. Bertoldi, P. Capak, D. A. Frail, G. Hallinan, H. Hao, N. Herrera Ruiz, A. Horesh, O. Ilbert, H. Intema, V. Jelić, H.-R. Klöckner, J. Krpan, S. R. Kulkarni, H. McCracken, C. Laigle, E. Middleberg, E. J. Murphy, M. Sargent, N. Z. Scoville and K. Sheth:* The VLA-COSMOS 3 GHz Large Project: Continuum data and source catalog release. *Astronomy and Astrophysics* **602**, id. A1 (19 pp) (2017)

*Smolčić, V., M. Novak, I. Delvecchio, L. Ceraj, M. Bondi, J. Delhaize, S. Marchesi, E. Murphy, E. Schinnerer, E. Vardoulaki and G. Zamorani:* The VLA-COSMOS 3 GHz Large Project: Cosmic evolution of radio AGN and implications for radio-mode feedback since  $z \approx 5$ . *Astronomy and Astrophysics* **602**, id. A6 (13 pp) (2017)

*Snaith, O. N., J. Bailin, A. Knebe, G. Stinson, J. Wadsley and H. Couchman:* Haloes at the ragged edge: the importance of the splashback radius. *Monthly Notices of the Royal Astronomical Society* **472**, 2694-2712 (2017)

*Sorini, D.:* An optimally weighted estimator of the linear power spectrum disentangling the growth of density perturbations across galaxy surveys. *Journal of Cosmology and Astro-Particle Physics* **04**, id. 029 (24 pp) (2017)

*Spina, L., S. Randich, L. Magrini, R. D. Jeffries, E. D. Friel, G. G. Sacco, E. Pancino, R. Bonito,*

*L. Bravi, E. Franciosini, A. Klutsch, D. Montes, G. Gilmore, A. Vallenari, T. Bensby, A. Bragaglia, E. Flaccomio, S. E. Koposov, A. J. Korn, A. C. Lanzafame, R. Smiljanic, A. Bayo, G. Carraro, A. R. Casey, M. T. Costado, F. Damiani, P. Donati, A. Frasca, A. Hourihane, P. Jofré, J. Lewis, K. Lind, L. Monaco, L. Morbidelli, L. Prisinzano, S. G. Sousa, C. C. Worley and S. Zaggia:* The Gaia-ESO Survey: the present-day radial metallicity distribution of the Galactic disc probed by pre-main-sequence clusters. *Astronomy and Astrophysics* **601**, id. A70 (13 pp) (2017)

*Starkenburg, E., N. Martin, K. Youakim, D. S. Aguado, C. Allende Prieto, A. Arentsen, E. J. Bernard, P. Bonifacio, E. Caffau, R. G. Carlberg, P. Côté, M. Fouesneau, P. François, O. Franke, J. I. González Hernández, S. D. J. Gwyn, V. Hill, R. A. Ibata, P. Jablonka, N. Longeard, A. W. McConnachie, J. F. Navarro, R. Sánchez-Janssen, E. Tolstoy and K. A. Venn:* The Pristine survey - I. Mining the Galaxy for the most metal-poor stars. *Monthly Notices of the Royal Astronomical Society* **471**, 2587-2604 (2017)

*Starkey, D., K. Horne, M. M. Fausnaugh, B. M. Peterson, M. C. Bentz, C. S. Kochanek, K. D. Denney, R. Edelson, M. R. Goad, G. De Rosa, M. D. Anderson, P. Arévalo, A. J. Barth, C. Bazhaw, G. A. Borman, T. A. Boroson, M. C. Bottorff, W. N. Brandt, A. A. Breeveld, E. M. Cackett, M. T. Carini, K. V. Croxall, D. M. Crenshaw, E. Dalla Bontà, A. De Lorenzo-Cáceres, M. Dietrich, N. V. Efimova, J. Ely, P. A. Evans, A. V. Filippenko, K. Flatland, N. Gehrels, S. Geier, J. M. Gelbord, L. Gonzalez, V. Gorjian, C. J. Grier, D. Grupe, P. B. Hall, S. Hicks, D. Horenstein, T. Hutchison, M. Im, J. J. Jensen, M. D. Joner, J. Jones, J. Kaastra, S. Kaspi, B. C. Kelly, J. A. Kennea, S. C. Kim, M. Kim, S. A. Klimanov, K. T. Korista, G. A. Kriss, J. C. Lee, D. C. Leonard, P. Lira, F. MacInnis, E. R. Manne-Nicholas, S. Mathur, I. M. McHardy, C. Montouri, R. Musso, S. V. Nazarov, R. P. Norris, J. A. Nousek, D. N. Okhmat, A. Pancoast, J. R. Parks, L. Pei, R. W. Pogge, J.-U. Pott, S. E. Rafter, H.-W. Rix, D. A. Saylor, J. S. Schimoia, K. Schnüller, S. G. Sergeev, M. H. Siegel, M. Spencer, H.-I. Sung, K. G. Teems, C. S. Turner, P. Uttley, M. Vestergaard, C. Villforth, Y. Weiss, J.-H. Woo, H. Yan, S. Young, W. Zheng and Y. Zu:* Space Telescope and Optical Reverberation Mapping project.VI. Reverberating disk models for NGC 5548. *The Astrophysical Journal* **835**, id. 65 (15 pp) (2017)

*Stefanon, M., H. Yan, B. Mobasher, G. Barro, J. L. Donley, A. Fontana, S. Hemmati, A. M. Koekemoer, B. Lee, S.-K. Lee, H. Nayyeri, M. Peth, J. Pforr, M. Salvato, T. Wiklind, S. Wuyts, M. L. N. Ashby, M. Castellano, C. J. Conselice, M. C. Cooper, A. R. Cooray, T. Dolch, H. Ferguson, A. Galametz, M. Giavalisco, Y. Guo, S. P. Willner, M. E. Dickinson, S. M. Faber, G. G. Fazio, J. P. Gardner, E. Gawiser, A. Grazian, N. A. Grogin, D. Kocevski, D. C. Koo, K.-S. Lee, R. A. Lucas, E. J. McGrath, K. Nandra, J. A. Newman and A. van der Wel:* CANDELS multi-wavelength catalogs: Source identification and photometry in the CANDELS extended groth strip. *The Astrophysical Journal Supplement Series* **229**, id. 32 (31 pp) (2017)

*Stewart, K. R., A. H. Maller, J. Oñorbe, J. S. Bullock, M. R. Joung, J. Devriendt, D. Ceverino, D. Kereš, P. F. Hopkins and C.-A. Faucher-Giguère:* High angular momentum halo gas: A feedback and code-independent prediction of LCDM. *The Astrophysical Journal* **843**, id. 47 (15 pp) (2017)

*Straatman, C. M. S., K. Glazebrook, G. G. Kacprzak, I. Labb  , T. Nanayakkara, L. Alcorn, M. Cowley, L. J. Kewley, L. R. Spitler, K.-V. H. Tran and T. Yuan:* ZFIRE: The evolution of the stellar mass Tully-Fisher relation to redshift  $\sim$ 2.2. *The Astrophysical Journal* **839**, id. 57 (20 pp) (2017)

*Suberlak, K.,   . Ivezi  , C. L. MacLeod, M. Graham and B. Sesar:* Solving the puzzle of discrepant quasar variability on monthly time-scales implied by SDSS and CRTS data sets. *Monthly Notices of the Royal Astronomical Society* **472**, 4870-4877 (2017)

*Subramanian, S., M. Marengo, A. Bhardwaj, Y. Huang, L. Inno, A. Nakagawa and J. Storm:* Young and intermediate-age distance indicators. *Space Science Reviews* **212**, 1817-1869 (2017)

*S  veges, M., F. Barblan, I. Lecoeur-Taibi, A. Pr  a, B. Holl, L. Eyer, A. Kochoska, N. Mowlavi and L. Rimoldini:* Gaia eclipsing binary and multiple systems. Supervised classification and self-organizing maps. *Astronomy and Astrophysics* **603**, id. A117 (20 pp) (2017)

*Swinbank, A. M., C. M. Harrison, J. Trayford, M. Schaller, I. Smail, J. Schaye, T. Theuns, R. Smit, D. M. Alexander, R. Bacon, R. G. Bower, T. Contini, R. A. Crain, C. de Breuck, R. Decarli, B. Epinat, M. Fumagalli, M. Furlong, A. Galametz, H. L. Johnson, C. Lagos, J. Richard, J. Vernet, R. M. Sharples, D. Sobral and J. P. Stott:* Angular momentum evolution of galaxies over the past 10 Gyr: a MUSE and KMOS dynamical survey of 400 star-forming galaxies from  $z = 0.3$  to 1.7. Monthly Notices of the Royal Astronomical Society **467**, 3140-3159 (2017)

*Sybilska, A., T. Lisker, H. Kuntschner, A. Vazdekis, G. van de Ven, R. Peletier, J. Falcón-Baroso, R. Vijayaraghavan and J. Janz:* The hELENA project - I. Stellar populations of early-type galaxies linked with local environment and galaxy mass. Monthly Notices of the Royal Astronomical Society **470**, 815-838 (2017)

*Tabatabaei, F. S., E. Schinnerer, M. Krause, G. Dumas, S. Meidt, A. Damas-Segovia, R. Beck, E. J. Murphy, D. D. Mulcahy, B. Groves, A. Bolatto, D. Dale, M. Galametz, K. Sandstrom, M. Boquien, D. Calzetti, R. C. Kennicutt, L. K. Hunt, I. De Looze and E. W. Pellegrini:* The radio spectral energy distribution and star-formation rate calibration in galaxies. The Astrophysical Journal **836**, id. 185 (24 pp) (2017)

*Tadaki, K.-i., T. Kodama, E. J. Nelson, S. Belli, N. M. Förster Schreiber, R. Genzel, M. Hayashi, R. Herrera-Camus, Y. Koyama, P. Lang, D. Lutz, R. Shimakawa, L. J. Tacconi, H. Übler, E. Wisnioski, S. Wuys, B. Hatsukade, M. Lippa, K. Nakanishi, S. Ikarashi, K. Kohno, T. L. Suzuki, Y. Tamura and I. Tanaka:* Rotating starburst cores in massive galaxies at  $z = 2.5$ . The Astrophysical Journal Letters **841**, id. L25 (6 pp) (2017)

*Tang, J.-J., T. Goto, Y. Ohyama, W.-P. Chen, F. Walter, B. Venemans, K. C. Chambers, E. Bañados, R. Decarli, X. Fan, E. Farina, C. Mazzucchelli, N. Kaiser and E. A. Magnier:* A quasar discovered at redshift 6.6 from Pan-STARRS1. Monthly Notices of the Royal Astronomical Society **466**, 4568-4572 (2017)

*Tanioka, S., N. Matsunaga, K. Fukue, L. Inno, G. Bono and N. Kobayashi:* New classical Cepheids in the inner part of the Northern Galactic disk, and their kinematics. The Astrophysical Journal **842**, id. 104 (8 pp) (2017)

*Tapia, T., M. Carmen Eliche-Moral, H. Aceves, C. Rodríguez-Pérez, A. Borlaff and M. Querejeta:* Formation of S0 galaxies through mergers. Evolution in the Tully-Fisher relation since  $z \sim 1$ . Astronomy and Astrophysics **604**, id. A105 (20 pp) (2017)

*Tepper, J., L. Labadie, R. Diener, S. Minardi, J.-U. Pott, R. Thomson and S. Nolte:* Integrated optics prototype beam combiner for long baseline interferometry in the L and M bands. Astronomy and Astrophysics **602**, id. A66 (8 pp) (2017)

*Thater, S., D. Krajnović, M. A. Bourne, M. Cappellari, T. de Zeeuw, E. Emsellem, J. Magorrian, R. M. McDermid, M. Sarzi and G. van de Ven:* A low upper mass limit for the central black hole in the late-type galaxy NGC 4414. Astronomy and Astrophysics **597**, id. A18 (20 pp) (2017)

*Thygesen, A. O., E. N. Kirby, A. J. Gallagher, H.-G. Ludwig, E. Caffau, P. Bonifacio and L. Sbordone:* An investigation of the formation and line properties of MgH in 3D hydrodynamical model stellar atmospheres. The Astrophysical Journal **843**, id. 144 (16 pp) (2017)

*Tian, H.-J., P. Gupta, B. Sesar, H.-W. Rix, N. F. Martin, C. Liu, B. Goldman, I. Platais, R.-P. Kudritzki and C. Z. Waters:* A Gaia-PS1-SDSS (GPS1) proper motion catalog covering 3/4 of the sky. The Astrophysical Journal Supplement Series **232**, id. 4 (18 pp) (2017)

*Tian, H.-J., C. Liu, J.-C. Wan, Y.-G. Wang, Q. Wang, L.-C. Deng, Z.-H. Cao, Y.-H. Hou, Y.-F. Wang, Y. Wu and Y.-H. Zhao:* Peculiar in-plane velocities in the outer disc of the Milky Way. Research in Astronomy and Astrophysics **17**, id. 114 (14 pp) (2017)

*Ting, Y.-S., C. Conroy, H.-W. Rix and P. Cargile:* Prospects for measuring abundances of > 20 elements with low-resolution stellar spectra. The Astrophysical Journal **843**, id. 32 (26 pp) (2017)

*Ting, Y.-S., H.-W. Rix, C. Conroy, A. Y. Q. Ho and J. Lin:* Measuring 14 elemental abundances with  $R = 1800$  LAMOST spectra. *The Astrophysical Journal Letters* **849**, id. L9 (6 pp) (2017)

*Tomczak, A. R., B. C. Lemaux, L. M. Lubin, R. R. Gal, P.-F. Wu, B. Holden, D. D. Kocevski, S. Mei, D. Pelliccia, N. Rumbaugh and L. Shen:* Glimpsing the imprint of local environment on the galaxy stellar mass function. *Monthly Notices of the Royal Astronomical Society* **472**, 3512-3531 (2017)

*Tomičić, N., K. Kreckel, B. Groves, E. Schinnerer, K. Sandstrom, M. Kapala, G. A. Blanc and A. Leroy:* Attenuation modified by DIG and dust as seen in M31. *The Astrophysical Journal* **844**, id. 155 (17 pp) (2017)

*Trick, W. H., J. Bovy, E. D'Onghia and H.-W. Rix:* Action-based dynamical modeling for the Milky Way disk: The Influence of spiral arms. *The Astrophysical Journal* **839**, id. 61 (22 pp) (2017)

*Tsatsi, A., M. Lyubenova, G. van de Ven, J. Chang, J. A. L. Aguerri, J. Falcón-Baroso and A. V. Macciò:* CALIFA reveals prolate rotation in massive early-type galaxies: A polar galaxy merger origin? *Astronomy and Astrophysics* **606**, id. A62 (10 pp) (2017)

*Tsatsi, A., A. Mastrobuono-Battisti, G. van de Ven, H. B. Perets, P. Bianchini and N. Neumayer:* On the rotation of nuclear star clusters formed by cluster inspirals. *Monthly Notices of the Royal Astronomical Society* **464**, 3720-3727 (2017)

*Übler, H., N. M. Förster Schreiber, R. Genzel, E. Wisnioski, S. Wuyts, P. Lang, T. Naab, A. Burkert, P. G. van Dokkum, L. J. Tacconi, D. J. Wilman, M. Fossati, J. T. Mendel, A. Beifiori, S. Belli, R. Bender, G. B. Brammer, J. Chan, R. Davies, M. Fabricius, A. Galametz, D. Lutz, I. G. Momcheva, E. J. Nelson, R. P. Saglia, S. Seitz and K. Tadaki:* The evolution of the Tully-Fisher relation between  $z \sim 2.3$  and  $z \sim 0.9$  with KMOS3D. *The Astrophysical Journal* **842**, id. 121 (22 pp) (2017)

*Urich, L., T. Lisker, J. Janz, G. van de Ven, R. Leaman, A. Boselli, S. Paudel, A. Sybilska, R. F. Peletier, M. den Brok, G. Hensler, E. Toloba, J. Falcón-Baroso and S.-M. Niemi:* Young, metal-enriched cores in early-type dwarf galaxies in the Virgo cluster based on colour gradients. *Astronomy and Astrophysics* **606**, id. A135 (12 pp) (2017)

*Utomo, D., A. D. Bolatto, T. Wong, E. C. Ostriker, L. Blitz, S. F. Sanchez, D. Colombo, A. K. Leroy, Y. Cao, H. Dannerbauer, R. Garcia-Benito, B. Husemann, V. Kalinova, R. C. Levy, D. Mast, E. Rosolowsky and S. N. Vogel:* The EDGE-CALIFA Survey: Variations in the molecular gas depletion time in local galaxies. *The Astrophysical Journal* **849**, id. 26 (16 pp) (2017)

*van de Sande, J., J. Bland-Hawthorn, L. M. R. Fogarty, L. Cortese, F. d'Eugenio, S. M. Croom, N. Scott, J. T. Allen, S. Brough, J. J. Bryant, G. Cecil, M. Colless, W. J. Couch, R. Davies, P. J. Elahi, C. Foster, G. Goldstein, M. Goodwin, B. Groves, I.-T. Ho, H. Jeong, D. H. Jones, I. S. Konstantopoulos, J. S. Lawrence, S. K. Leslie, Á. R. López-Sánchez, R. M. McDermid, R. McElroy, A. M. Medling, S. Oh, M. S. Owers, S. N. Richards, A. L. Schaefer, R. Sharp, S. M. Sweet, D. Taranu, C. Tonini, C. J. Walcher and S. K. Yi:* The SAMI Galaxy Survey: Revisiting galaxy classification through high-order stellar kinematics. *The Astrophysical Journal* **835**, id. 104 (35 pp) (2017)

*van Leeuwen, F., A. Vallenari, C. Jordi, L. Lindegren, U. Bastian, T. Prusti, J. H. J. de Bruijne, A. G. A. Brown, C. Babusiaux, C. A. L. Bailer-Jones, M. Biernemann, D. W. Evans, L. Eyer, F. Jansen, S. A. Klioner, U. Lammers, X. Luri, F. Mignard, C. Panem, D. Pourbaix, S. Randich, P. Sartoretti, H. I. Siddiqui, C. Soubiran, V. Valette, N. A. Walton, C. Aerts, F. Arenou, M. Cropper, R. Drimmel, E. Høg, D. Katz, M. G. Lattanzi, W. O'Mullane, E. K. Grebel, A. D. Holland, C. Huc, X. Passot, M. Perryman, L. Bramante, C. Cacciari, J. Castañeda, L. Chaoul, N. Cheek, F. De Angeli, C. Fabricius, R. Guerra, J. Hernández, A. Jean-Antoine-Piccolo, E. Masana, R. Messineo, N. Mowlavi, K. Nienartowicz, D. Ordóñez-Blanco, P. Panuzzo, J. Portell, P. J. Richards, M. Riello, G. M. Seabroke, P. Tanga, F. Thévenin, J. Torra, S. G. Els, G. Gracia-Abril, G. Comoretto, M. García-Reinaldos, T. Lock, E. Mercier, M. Altmann, R. Andrae, T. L. Astraatmadja, I. Bellas-Velidis, K. Benson, J. Berthier, R. Blomme, G. Busso, B. Carry, A.*

*Cellino, G. Clementini, S. Cowell, O. Creevey, J. Cuypers, M. Davidson, J. De Ridder, A. de Torres, L. Delchambre, A. Dell'Oro, C. Ducourant, Y. Frémat, M. García-Torres, E. Gosset, J.-L. Halbwachs, N. C. Hambly, D. L. Harrison, M. Hauser, D. Hestroffer, S. T. Hodgkin, H. E. Huckle, A. Hutton, G. Jasniewicz, S. Jordan, M. Kontizas, A. J. Korn, A. C. Lanzafame, M. Manteiga, A. Moitinho, K. Muinonen, J. Osinde, E. Pancino, T. Pauwels, J.-M. Petit, A. Recio-Blanco, A. C. Robin, L. M. Sarro, C. Siopsis, M. Smith, K. W. Smith, A. Sozzetti, W. Thuillot, W. van Reeven, Y. Viala, U. Abbas, A. Abreu Aramburu, S. Accart, J. J. Aguado, P. M. Allan, W. Allasia, G. Altavilla, M. A. Álvarez, J. Alves, R. I. Anderson, A. H. Andrei, E. Anglada Varela, E. Antiche, T. Antoja, S. Antón, B. Arcay, N. Bach, S. G. Baker, L. Balaguer-Núñez, C. Barache, C. Barata, A. Barbier, F. Barblan, D. Barrado y Navascués, M. Barros, M. A. Barstow, U. Becciani, M. Bellazzini, A. Bello García, V. Belokurov, P. Bendjoya, A. Berihuete, L. Bianchi, O. Bienaymé, F. Billebaud, N. Blagorodnova, S. Blanco-Cuaresma, T. Boch, A. Bombrun, R. Borrachero, S. Bouquillon, G. Bourda, H. Bouy, A. Bragaglia, M. A. Breddels, N. Brouillet, T. Brüsemeister, B. Bucciarelli, P. Burgess, R. Burgon, A. Burlacu, D. Busonero, R. Buzzi, E. Caffau, J. Cambras, H. Campbell, R. Cancelliere, T. Cantat-Gaudin, T. Carlucci, J. M. Carrasco, M. Castellani, P. Charlot, J. Charnas, A. Chiavassa, M. Clotet, G. Cocozza, R. S. Collins, G. Costigan, F. Crifo, N. J. G. Cross, M. Crosta, C. Crowley, C. Dafonte, Y. Damerdji, A. Dapergolas, P. David, M. David, P. De Cat, F. de Felice, P. de Laverny, F. De Luise, R. De March, D. de Martino, R. de Souza, J. Deboscher, E. del Pozo, M. Delbo, A. Delgado, H. E. Delgado, P. Di Matteo, S. Diakite, E. Distefano, C. Dolding, S. Dos Anjos, P. Drazinos, J. Durán, Y. Dzigan, B. Edvardsson, H. Enke, N. W. Evans, G. Eynard Bontemps, C. Fabre, M. Fabrizio, S. Faigler, A. J. Falcão, M. Farràs Casas, L. Federici, G. Fedorets, J. Fernández-Hernández, P. Fernique, A. Fienga, F. Figueras, F. Filippi, K. Findeisen, A. Fonti, M. Fouesneau, E. Fraile, M. Fraser, J. Fuchs, M. Gai, S. Galleti, L. Galluccio, D. Garabato, F. García-Sedano, A. Garofalo, N. Garralda, P. Gavras, J. Gerssen, R. Geyer, G. Gilmore, S. Girona, G. Giuffrida, M. Gomes, A. González-Marcos, J. González-Núñez, J. J. González-Vidal, M. Granvik, A. Guerrier, P. Guillout, J. Guiraud, A. Gúrpide, R. Gutiérrez-Sánchez, L. P. Guy, R. Haigron, D. Hatzidimitriou, M. Haywood, U. Heiter, A. Helmi, D. Hobbs, W. Hofmann, B. Holl, G. Holland, J. A. S. Hunt, A. Hypki, V. Icardi, M. Irwin, G. Jevardat de Fombelle, P. Jofré, P. G. Jonker, A. Jorissen, F. Julbe, A. Karampelas, A. Kochoska, R. Kohley, K. Kolenberg, E. Kontizas, S. E. Koposov, G. Kordopatis, P. Koubsky, A. Krone-Martins, M. Kudryashova, I. Kull, R. K. Bachchan, F. Lacoste-Seris, A. F. Lanza, J.-B. Lavigne, C. Le Poncin-Lafitte, Y. Lebreton, T. Lebzelter, S. Leccia, N. Leclerc, I. Lecoeur-Taibi, V. Lemaitre, H. Lenhardt, F. Leroux, S. Liao, E. Licata, H. E. P. Lindstrøm, T. A. Lister, E. Livanou, A. Lobel, W. Löffler, M. López, D. Lorenz, I. MacDonald, T. Magalhães Fernandes, S. Managau, R. G. Mann, G. Mantelet, O. Marchal, J. M. Marchant, M. Marconi, S. Marinoni, P. M. Marrese, G. Marschalkó, D. J. Marshall, J. M. Martín-Fleitas, M. Martino, N. Mary, G. Matijević, T. Mazeh, P. J. McMillan, S. Messina, D. Michalik, N. R. Millar, B. M. H. Miranda, D. Molina, R. Molinaro, M. Molinaro, L. Molnár, M. Moniez, P. Montegriffo, R. Mor, A. Mora, R. Morbidelli, T. Morel, S. Morgenthaler, D. Morris, A. F. Mulone, T. Muraveva, I. Musella, J. Narbonne, G. Nelemans, L. Nicastro, L. Noval, C. Ordénovic, J. Ordieres-Meré, P. Osborne, C. Pagani, I. Pagano, F. Pailler, H. Palacin, L. Palaversa, P. Parsons, M. Pecoraro, R. Pedrosa, H. Pentikäinen, B. Pichon, A. M. Piersimoni, F.-X. Pineau, E. Plachy, G. Plum, E. Poujoulet, A. Prša, L. Pulone, S. Ragaini, S. Rago, N. Rambaux, M. Ramos-Lerate, P. Ranalli, G. Rauw, A. Read, S. Regibo, C. Reydé, R. A. Ribeiro, L. Rimoldini, V. Ripepi, A. Riva, G. Rixon, M. Roelens, M. Romero-Gómez, N. Rowell, F. Royer, L. Ruiz-Dern, G. Sadowski, T. Sagristà Sellés, J. Sahlmann, J. Salgado, E. Salguero, M. Sarasso, H. Savietto, M. Schultheis, E. Siciacca, M. Segol, J. C. Segovia, D. Segransan, I.-C. Shih, R. Smareglia, R. L. Smart, E. Solano, F. Soltro, R. Sordo, S. Soria Nieto, J. Souchay, A. Spagna, F. Spoto, U. Stampa, I. A. Steele, H. Steidelmüller, C. A. Stephenson, H. Stoev, F. F. Suess, M. Süveges, J. Surdej, L. Szabados, E. Szegedi-Elek, D. Tapiador, F. Taris, G. Tauran, M. B. Taylor, R. Teixeira, D. Terrett, B. Tingley, S. C. Trager, C. Turon, A. Ulla, E. Utrilla, G. Valentini, A. van Elteren, E. Van Hemelryck, M. vanLeeuwen, M. Varadi, A. Vecchiato, J. Veljanoski, T. Via, D. Vicente, S. Vogt, H. Voss, V. Votruba, S. Voutsinas, G. Walmsley, M. Weiler, K. Weingrill, T. Wevers, Ł. Wyrzykowski, A. Yoldas, M. Źerjal, S. Zucker, C. Zurbach, T. Zwitter, A. Alecu, M. Allen, C. Allende Prieto, A. Amorim, G. Anglada-Escudé, V. Arsenijevic, S. Azaz, P. Balm, M. Beck, H.-H. Bernstein, L. Bigot, A. Bijaoui, C. Blasco, M. Bonfigli, G. Bono, S. Boudreault, A. Bressan, S. Brown, P.-M. Brunet, P. Bunclark, R. Buonanno, A. G. Butkevich, C. Carret, C. Carrion, L. Chemin, F. Chéreau, L. Corcione, E. Darmigny, K. S. de Boer, P. de Teodoro, P. T. de Zeeuw, C. Delle Luche, C. D. Domingues, P. Dubath, F. Fodor, B. Frézouls, A. Fries, D. Fustes, D. Fyfe, E. Gallardo, J. Gallegos, D. Gardiol, M. Gebran, A. Gomboc, A. Gómez, E. Grux, A. Gueguen, A. Heyrovsky, J. Hoar, G. Iannicola, Y. Isasi Parache, A.-M. Janotto, E. Joliet, A. Jonckheere, R. Keil, D.-W. Kim, P. Klagyivik, J. Klar, J. Knude, O.*

*Kochukhov, I. Kolka, J. Kos, A. Kutka, V. Lainey, D. LeBouquin, C. Liu, D. Loreggia, V. V. Makarov, M. G. Marseille, C. Martayan, O. Martinez-Rubi, B. Massart, F. Meynadier, S. Mignot, U. Munari, A.-T. Nguyen, T. Nordlander, K. S. O'Flaherty, P. Ocvirk, A. Olias Sanz, P. Ortiz, J. Osorio, D. Oszkiewicz, A. Ouzounis, M. Palmer, P. Park, E. Pasquato, C. Peltzer, J. Peralta, F. Pétruraud, T. Pieniluoma, E. Pigozzi, J. Poels, G. Prat, T. Prod'homme, F. Raison, J. M. Rebordao, D. Risquez, B. Rocca-Volmerange, S. Rosen, M. I. Ruiz-Fuertes, F. Russo, S. Sembay, I. Serraller Vizcaino, A. Short, A. Siebert, H. Silva, D. Sinachopoulos, E. Slezak, M. Soffel, D. Sosnowska, V. Straizys, M. ter Linden, D. Terrell, S. Theil, C. Tiede, L. Troisi, P. Tsalmantza, D. Tur, M. Vaccari, F. Vachier, P. Valles, W. Van Hamme, L. Veltz, J. Virtanen, J.-M. Wallut, R. Wichmann, M. I. Wilkinson, H. Ziaeepour and S. Zschocke: Gaia Data Release 1. Open cluster astrometry: performance, limitations, and future prospects. Astronomy and Astrophysics* **601**, id. A19 (65 pp) (2017)

*Vasilyev, V., H.-G. Ludwig, B. Freytag, B. Lemasle and M. Marconi: Spectroscopic properties of a two-dimensional time-dependent Cepheid model. I. Description and validation of the model. Astronomy and Astrophysics* **606**, id. A140 (13 pp) (2017)

*Venemans, B. P., F. Walter, R. Decarli, E. Bañados, C. Carilli, J. M. Winters, K. Schuster, E. da Cunha, X. Fan, E. P. Farina, C. Mazzucchelli, H.-W. Rix and A. Weiss: Copious amounts of dust and gas in a  $z = 7.5$  quasar host galaxy. The Astrophysical Journal Letters* **851**, id. L8 (6 pp) (2017)

*Venemans, B. P., F. Walter, R. Decarli, E. Bañados, J. Hodge, P. Hewett, R. G. McMahon, D. J. Mortlock and C. Simpson: The compact,  $\sim 1$  kpc host galaxy of a quasar at a redshift of 7.1. The Astrophysical Journal* **837**, id. 146 (8 pp) (2017)

*Venemans, B. P., F. Walter, R. Decarli, C. Ferkinhoff, A. Weiβ, J. R. Findlay, R. G. McMahon, W. J. Sutherland and R. Meijerink: Molecular gas in three  $z \sim 7$  quasar host galaxies. The Astrophysical Journal* **845**, id. 154 (11 pp) (2017)

*Venhola, A., R. Peletier, E. Laurikainen, H. Salo, T. Lisker, E. Iodice, M. Capaccioli, G. V. Kleijn, E. Valentijn, S. Mieske, M. Hilker, C. Wittmann, G. van de Ven, A. Grado, M. Spavone, M. Cantiello, N. Napolitano, M. Paolillo and J. Falcón-Baroso: The Fornax Deep Survey with VST. III. Low surface brightness dwarfs and ultra diffuse galaxies in the center of the Fornax cluster. Astronomy and Astrophysics* **608**, id. A142 (32 pp) (2017)

*Venn, K. A., E. Starkenburg, L. Malo, N. Martin and B. P. M. Laevens: Gemini/GRACES spectroscopy of stars in Tri II. Monthly Notices of the Royal Astronomical Society* **466**, 3741-3752 (2017)

*Verhamme, A., I. Orlitová, D. Schaerer, Y. Izotov, G. Worseck, T. X. Thuan and N. Guseva: Lyman- $\alpha$  spectral properties of five newly discovered Lyman continuum emitters. Astronomy and Astrophysics* **597**, id. A13 (11 pp) (2017)

*Vernet, J., M. D. Lehnert, C. De Breuck, M. Villar-Martín, D. Wylezalek, T. Falkendal, G. Drouart, S. Kolwa, A. Humphrey, B. P. Venemans and F. Boulanger: Are we seeing accretion flows in a 250 kpc Ly $\alpha$  halo at  $z = 3$ ? Astronomy and Astrophysics* **602**, id. L6 (4 pp) (2017)

*Wagner-Kaiser, R., A. Sarajedini, T. von Hippel, D. C. Stenning, D. A. van Dyk, E. Jeffery, E. Robinson, N. Stein, J. Anderson and W. H. Jefferys: The ACS survey of Galactic globular clusters - XIV. Bayesian single-population analysis of 69 globular clusters. Monthly Notices of the Royal Astronomical Society* **468**, 1038-1055 (2017)

*Walsh, J. L., R. C. E. van den Bosch, K. Gebhardt, A. Yıldırım, K. Gültekin, B. Husemann and D. O. Richstone: A black hole mass determination for the compact galaxy Mrk 1216. The Astrophysical Journal* **835**, id. 208 (12 pp) (2017)

*Walter, F., A. D. Bolatto, A. K. Leroy, S. Veilleux, S. R. Warren, J. Hodge, R. C. Levy, D. S. Meier, E. C. Ostriker, J. Ott, E. Rosolowsky, N. Scoville, A. Weiss, L. Zschaechner and M. Zwaan: Dense molecular gas tracers in the outflow of the starburst galaxy NGC 253. The Astrophysical Journal* **835**, id. 265 (10 pp) (2017)

*Wang, L., A. A. Dutton, G. S. Stinson, A. V. Macciò, T. Gutcke and X. Kang: NIHAO VII: predictions for the galactic baryon budget in dwarf to Milky Way mass haloes.* Monthly Notices of the Royal Astronomical Society **466**, 4858-4867 (2017)

*Wang, R., E. Momjian, C. L. Carilli, X.-B. Wu, X. Fan, F. Walter, M. A. Strauss, F. Wang and L. Jiang: Milliarcsecond Imaging of the radio emission from the quasar with the most massive black hole at reionization.* The Astrophysical Journal Letters **835**, id. L20 (4 pp) (2017)

*Wang, T., W. Zhu, S. Mao, I. A. Bond, A. Gould, A. Udalski, T. Sumi, V. Bozza, C. Ranc, A. Cassan, J. C. Yee, C. Han, F. Abe, Y. Asakura, R. Barry, D. P. Bennett, A. Bhattacharya, M. Donachie, P. Evans, A. Fukui, Y. Hirao, Y. Itow, K. Kawasaki, N. Koshimoto, M. C. A. Li, C. H. Ling, K. Masuda, Y. Matsubara, S. Miyazaki, Y. Muraki, M. Nagakane, K. Ohnishi, N. Rattenbury, T. Saito, A. Sharan, H. Shibai, D. J. Sullivan, D. Suzuki, P. J. Tristram, T. Yamada, A. Yonehara, S. Kozłowski, P. Mróz, M. Pawlak, P. Pietrukowicz, R. Poleski, J. Skowron, I. Soszyński, M. K. Szymański, K. Ulaczyk, C. Beichman, G. Bryden, S. Calchi Novati, S. Carey, M. Fausnaugh, B. S. Gaudi, C. B. Henderson, Y. Shvartzvald, B. Wibking, M. D. Albrow, S.-J. Chung, K.-H. Hwang, Y. K. Jung, Y.-H. Ryu, I.-G. Shin, S.-M. Cha, D.-J. Kim, H.-W. Kim, S.-L. Kim, C.-U. Lee, Y. Lee, B.-G. Park, R. W. Pogge, R. A. Street, Y. Tsapras, M. Hundertmark, E. Bachelet, M. Dominik, K. Horne, R. Figuera Jaimes, J. Wambsganss, D. M. Bramich, R. Schmidt, C. Snodgrass, I. A. Steele and J. Menzies: Ground-based parallax confirmed by Spitzer: Binary microlensing event MOA-2015-BLG-020.* The Astrophysical Journal **845**, id. 129 (11 pp) (2017)

*Weinberger, R., V. Springel, L. Hernquist, A. Pillepich, F. Marinacci, R. Pakmor, D. Nelson, S. Genel, M. Vogelsberger, J. Naiman and P. Torrey: Simulating galaxy formation with black hole driven thermal and kinetic feedback.* Monthly Notices of the Royal Astronomical Society **465**, 3291-3308 (2017)

*Wheeler, C., A. B. Pace, J. S. Bullock, M. Boylan-Kolchin, J. Oñorbe, O. D. Elbert, A. Fitts, P. F. Hopkins and D. Kereš: The no-spin zone: rotation versus dispersion support in observed and simulated dwarf galaxies.* Monthly Notices of the Royal Astronomical Society **465**, 2420-2431 (2017)

*Whitaker, K. E., R. Bezanson, P. G. van Dokkum, M. Franx, A. van der Wel, G. Brammer, N. M. Förster-Schreiber, M. Giavalisco, I. Labbé, I. G. Momcheva, E. J. Nelson and R. Skelton: Predicting quiescence: The dependence of specific star formation rate on galaxy size and central density at  $0.5 < z < 2.5$ .* The Astrophysical Journal **838**, id. 19 (19 pp) (2017)

*Wittkowski, M., F. J. Abellán, B. Arroyo-Torres, A. Chiavassa, J. C. Guirado, J. M. Marcaide, A. Alberdi, W. J. de Wit, K.-H. Hofmann, A. Meiland, F. Millour, S. Mohamed and J. Sanchez-Bermudez: Multi-epoch VLTI-PIONIER imaging of the supergiant V766 Cen.* Astronomy and Astrophysics **606**, id.L1 (7 pp) (2017)

*Wu, P.-F., H. J. Zahid, H. S. Hwang and M. J. Geller: The dependence of the mass-metallicity relation on large-scale environment.* Monthly Notices of the Royal Astronomical Society **468**, 1881-1892 (2017)

*Yang, C., A. Omont, A. Beelen, Y. Gao, P. van der Werf, R. Gavazzi, Z.-Y. Zhang, R. Ivison, M. Lehnert, D. Liu, I. Oteo, E. González-Alfonso, H. Dannerbauer, P. Cox, M. Krips, R. Neri, D. Riechers, A. J. Baker, M. J. Michałowski, A. Cooray and I. Smail: Molecular gas in the Herschel-selected strongly lensed submillimeter galaxies at  $z \sim 2$  as probed by multi-J CO lines.* Astronomy and Astrophysics **608**, id. A144 (41 pp) (2017)

*Yıldırım, A., R. C. E. van den Bosch, G. van de Ven, I. Martín-Navarro, J. L. Walsh, B. Husemann, K. Gültekin and K. Gebhardt: The structural and dynamical properties of compact elliptical galaxies.* Monthly Notices of the Royal Astronomical Society **468**, 4216-4245 (2017)

*Youakim, K., E. Starkenburg, D. S. Aguado, N. F. Martin, M. Fouesneau, J. I. González Hernández, C. Allende Prieto, P. Bonifacio, M. Gentile, C. Kielty, P. Côté, P. Jablonka, A. McConnachie, R. Sánchez Janssen, E. Tolstoy and K. Venn: The Pristine survey - III.*

Spectroscopic confirmation of an efficient search for extremely metal-poor stars. Monthly Notices of the Royal Astronomical Society **472**, 2963-2974 (2017)

*Zahid, H. J., R.-P. Kudritzki, C. Conroy, B. Andrews and I.-T. Ho:* Stellar absorption line analysis of local star-forming galaxies: The relation between stellar mass, metallicity, dust attenuation, and star formation rate. The Astrophysical Journal **847**, id. 18 (14 pp) (2017)

*Zasowski, G., R. E. Cohen, S. D. Chojnowski, F. Santana, R. J. Oelkers, B. Andrews, R. L. Beaton, C. Bender, J. C. Bird, J. Bovy, J. K. Carlberg, K. Covey, K. Cunha, F. Dell'Agli, S. W. Fleming, P. M. Frinchaboy, D. A. García-Hernández, P. Harding, J. Holtzman, J. A. Johnson, J. A. Kollmeier, S. R. Majewski, S. Mészáros, J. Munn, R. R. Muñoz, M. K. Ness, D. L. Nidever, R. Poleski, C. Román-Zúñiga, M. Shetrone, J. D. Simon, V. V. Smith, J. S. Sobeck, G. S. Stringfellow, L. Szigetiáros, J. Tayar and N. Troup:* Target selection for the SDSS-IV APOGEE-2 Survey. The Astronomical Journal **154**, id. 198 (18 pp) (2017)

*Zhu, W., A. Udalski, S. Calchi Novati, S.-J. Chung, Y. K. Jung, Y.-H. Ryu, I.-G. Shin, A. Gould, C.-U. Lee, M. D. Albrow, J. C. Yee, C. Han, K.-H. Hwang, S.-M. Cha, D.-J. Kim, H.-W. Kim, S.-L. Kim, Y.-H. Kim, Y. Lee, B.-G. Park, R. W. Pogge, R. Poleski, P. Mróz, P. Pietrukowicz, J. Skowron, M. K. Szymański, S. Kozłowski, K. Ulaczyk, M. Pawlak, C. Beichman, G. Bryden, S. Carey, M. Fausnaugh, B. S. Gaudi, C. B. Henderson, Y. Shvartzvald and B. Wibking:* Toward a Galactic distribution of planets. I. Methodology and planet sensitivities of the 2015 high-cadence Spitzer microlens sample. The Astronomical Journal **154**, id. 210 (22 pp) (2017)

*Zhu, W., A. Udalski, C. X. Huang, S. Calchi Novati, T. Sumi, R. Poleski, J. Skowron, P. Mróz, M. K. Szymański, I. Soszyński, P. Pietrukowicz, S. Kozłowski, K. Ulaczyk, M. Pawlak, C. Beichman, G. Bryden, S. Carey, B. S. Gaudi, A. Gould, C. B. Henderson, Y. Shvartzvald, J. C. Yee, I. A. Bond, D. P. Bennett, D. Suzuki, N. J. Rattenbury, N. Koshimoto, F. Abe, Y. Asakura, R. K. Barry, A. Bhattacharya, M. Donachie, P. Evans, A. Fukui, Y. Hirao, Y. Itow, K. Kawasaki, M. C. A. Li, C. H. Ling, K. Masuda, Y. Matsubara, S. Miyazaki, H. Munakata, Y. Muraki, M. Nagakane, K. Ohnishi, C. Ranc, T. Saito, A. Sharan, D. J. Sullivan, P. J. Tristram, T. Yamada and A. Yonehara:* An isolated microlens observed from K2, Spitzer, and Earth. The Astrophysical Journal Letters **849**, id. L31 (6 pp) (2017)

*Zibetti, S., A. R. Gallazzi, Y. Ascasibar, S. Charlot, L. Galbany, R. García Benito, C. Kehrig, A. de Lorenzo-Cáceres, M. Lyubenova, R. A. Marino, I. Márquez, S. F. Sánchez, G. van de Ven, C. J. Walcher and L. Wisotzki:* Resolving the age bimodality of galaxy stellar populations on kpc scales. Monthly Notices of the Royal Astronomical Society **468**, 1902-1916 (2017)

---

Verantwortlich / Responsible: Axel M. Quetz

Letzte Änderung / Last updated: 24. April 2018

 [Übersicht / Summary](#)

## **Galaxien und Kosmologie / Galaxies and Cosmology (2017)**

### **Conference Proceedings & Books**

*Bailer-Jones, C. A. L.*: Practical Bayesian inference. Cambridge University Press, Cambridge 2017, IX, 295p

---

Verantwortlich / *Responsible*: Axel M. Quetz  
Letzte Änderung / *Last updated*: 24. April 2018

 [Übersicht / Summary](#)

## Galaxien und Kosmologie / Galaxies and Cosmology (2017)

### Contributed Papers

*Battaglia, G., N. Kacharov, M. Rejkuba, J. H. Knapen and J. C. Lee:* A VLT/FORS2 spectroscopic survey of individual stars in a transforming dwarf galaxy. In: Formation and Evolution of Galaxy Outskirts, (Eds.) Gil de Paz, A., J. H. Knapen, J. C. Lee. IAU Symp. **321**, Cambridge Univ. Press, 28-30 (2017)

*Boardman, N. F., A. Weijmans, R. C. E. van den Bosch, L. Zhu, A. Yıldırım, G. van de Ven, M. Cappellari, P. T. de Zeeuw, E. Emsellem, D. Krajnović, T. Naab, J. H. Knapen and J. C. Lee:* The stellar structure of early-type galaxies: a wide-field Mitchell Spectrograph view. In: Formation and Evolution of Galaxy Outskirts, (Eds.) Gil de Paz, A., J. H. Knapen, J. C. Lee. IAU Symp. **321**, Cambridge Univ. Press, 288-288 (2017)

*Buck, T., A. A. Dutton, A. V. Macciò, J. H. Knapen and J. C. Lee:* Thin planes of satellites in  $\Lambda$ CDM are not kinematically coherent. In: Formation and Evolution of Galaxy Outskirts, (Eds.) Gil de Paz, A., J. H. Knapen, J. C. Lee. IAU Symp. **321**, Cambridge Univ. Press, 40-41 (2017)

*Crighton, N. H. M., M. T. Murphy, J. X. Prochaska, G. Worseck, M. Rafelski, G. D. Becker, S. L. Ellison, M. Fumagalli, S. Lopez, A. Meiksin, J. M. O'Meara, J. H. Knapen and J. C. Lee:* The neutral hydrogen cosmological mass density at  $z = 5$ . In: Formation and Evolution of Galaxy Outskirts, (Eds.) Gil de Paz, A., J. H. Knapen, J. C. Lee. IAU Symp. **321**, Cambridge Univ. Press, 309-314 (2017)

*Hernitschek, N., H.-W. Rix, B. Sesar and E. F. Schlafly:* Pan-STARRS1 as pilot-survey for panoptic time-domain science. In: Astroinformatics, (Eds.) Massimo, B., S. G. Djorgovski, E. D. Feigelson, G. Longo, S. Caivuoti. IAU Symp. **325**, Cambridge Univ. Press, 118-121 (2017)

*Herpich, J., G. S. Stinson, A. A. Dutton, R. Hans-Walter, M. Martig, J. H. Knapen and J. C. Lee:* Surfing on the bar: the formation of anti-truncated stellar disk profiles. In: Formation and Evolution of Galaxy Outskirts, (Eds.) Gil de Paz, A., J. H. Knapen, J. C. Lee. IAU Symp. **321**, Cambridge Univ. Press, 78-80 (2017)

*Knežević, S., R. Läsker, G. van de Ven, J. Font, J. C. Raymond, C. A. L. Bailer-Jones, J. Beckman, G. Morlino, P. Ghavamian, J. P. Hughes, K. Heng, M. Renaud, G. Dubner, A. Ray and A. Bykov:* Balmer-dominated shocks in Tycho's SNR: omnipresence of CRs. In: Supernova 1987A:30 years later, (Eds.) Marcowith, A., M. Renaud, G. Dubner, A. Ray, A. Bykov. IAU Symp. **331**, Cambridge Univ. Press, 248-253 (2017)

*Krieger, N., J. Ott, F. Walter, J. M. D. Kruijssen, H. Beuther, S. N. Longmore and G. V. Bicknell:* Temperature Evolution of Molecular Clouds in the Central Molecular Zone. In: The Multi-Messenger Astrophysics of the Galactic Centre, (Eds.) Crocker, R. M., S. N. Longmore, G. V. Bicknell. IAU Symp. **322**, Cambridge Univ. Press, 160-161 (2017)

*Lützgendorf, N., M. Kissler-Patig, K. Gebhardt, H. Baumgardt, D. Kruijssen, E. Noyola, N. Neumayer, T. de Zeeuw, A. Feldmeier-Krause, E. van der Helm, I. Pelupessy, S. P. Zwart and A. Nota:* Intermediate-mass black holes in globular clusters: observations and simulations - Update. In: Formation, Evolution, and Survival of Massive Star Clusters, (Eds.) Charbonnel, C., A. Nota. IAU Symp. **316**, Cambridge Univ. Press, 240-245 (2017)

*Neumayer, N. and A. Nota:* Nuclear star clusters. In: Formation, Evolution, and Survival of Massive Star Clusters, (Eds.) Charbonnel, C., A. Nota. IAU Symp **316**, Cambridge Univ. Press, 84-90 (2017)

*Querejeta, M., M. C. Eliche-Moral, T. Tapia, A. Borlaff, G. van de Ven, M. Lyubenova, M.*

*Martig, J. Falcón-Baroso, J. MÁCndez-Abreu, J. Zamorano, J. Gallego, J. H. Knapen and J. C. Lee:* Creating lenticular galaxies with mergers. In: Formation and Evolution of Galaxy Outskirts, (Eds.) Gil de Paz, A., J. H. Knapen, J. C. Lee. IAU Symp. **321**, Cambridge Univ. Press, 114-116 (2017)

*Si, S., D. A. van Dyk, T. von Hippel, B. Gaensicke and T. Marsh:* Sensitivity analysis of hierarchical models for the ages of galactic halo white dwarfs. In: 20<sup>th</sup> European White Dwarf Workshop, (Eds.) Tremblay, P.-E., B. Gänsicke, T. Marsh. ASP Conf. Ser. **509**, ASP, 69-72 (2017)

*Tsatsi, A., A. Mastrobuono-Battisti, J. H. Knapen and J. C. Lee:* On the merger origin of nuclear star clusters. In: Formation and Evolution of Galaxy Outskirts, (Eds.) Gil de Paz, A., J. H. Knapen, J. C. Lee. IAU Symp. **321**, Cambridge Univ. Press, 117-119 (2017)

---

Verantwortlich / Responsible: Axel M. Quetz

Letzte Änderung / Last updated: 24. April 2018