

NOIRLab

Community Science and Data Center

Gemini Observatory Publications from US-Awarded Time

FY 19 (Oct. 2018–Sept. 2019), Publications resulted: 155

<http://www.gemini.edu/science/publications/>

NOIRLab scientific staff names are in boldface.

Abbott, T.M.C., ... **Walker, A.R.**, et al. 2019, ApJL, 872, L30, “First Cosmology Results Using Type IA Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters”

Abia, C., Cristallo, S., Cunha, K., de Laverny, P., **Smith, V.V.** 2019, A&A, 625, A40, “Additional Fluorine Abundance Determinations in Evolved Stars”

Allison, J.R., et al. 2019, MNRAS, 482, 2934, “PKS B1740-517: An ALMA View of the Cold Gas Feeding a Distant Interacting Young Radio Galaxy”

Anderson, J.P., et al. 2018, A&A, 620, A67, “A Nearby Super-luminous Supernova with a Long Pre-maximum “Plateau” and Strong C_{II} Features”

Angus, C.R., ... **Abbott, T.M.C.**, et al. 2019, MNRAS, 487, 2215, “Superluminous Supernovae from the Dark Energy Survey”

Arnason, R.M., Barmby, P., Bahramian, A., Maccarone, T.J., Zepf, S.E. 2019, MNRAS, 485, 2259, “Multiwavelength Survey of X-ray Sources in the Sculptor Dwarf Spheroidal Galaxy”

Ascenzi, S., et al. 2019, MNRAS, 486, 672, “A Luminosity Distribution for Kilonovae Based on Short Gamma-ray Burst Afterglows”

Ashall, C., et al. 2019, ApJL, 875, L14, “*Carnegie Supernova Project-II*: Using Near-Infrared Spectroscopy to Determine the Location of the Outer ⁵⁶Ni in Type Ia Supernovae”

Baravalle, L.D., et al. 2019, ApJ, 874, 46, “The First Galaxy Cluster Discovered by the VISTA Variables in the Vía Láctea Survey”

Bhrombhakdi, K., et al. 2019, MNRAS, 488, 3783, “The Type II Superluminous SN 2008es at Late Times: Near-Infrared Excess and Circumstellar Interaction”

Birrer, S., et al. 2019, MNRAS, 484, 4726, “H0LiCOW–IX. Cosmographic Analysis of the Doubly Imaged Quasar SDSS 1206+4332 and a New Measurement of the Hubble Constant”

Bixel, A., et al. 2019, AJ, 157, 68, “ACCESS: Ground-Based Optical Transmission Spectroscopy of the Hot Jupiter WASP-4b”

Blanchard, P.K., et al. 2019, ApJ, 872, 90, “A Hydrogen-Poor Superluminous Supernova with Enhanced Iron-Group Absorption: A New Link between SLSNe and Broad-Lined Type IC SNe”

Bocquet, S., ... **Zenteno, A.** 2019, ApJ, 878, 55, “Cluster Cosmology Constraints from the 2500 deg² SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the *Hubble Space Telescope*”

Bostroem, K.A., et al. 2019, MNRAS, 485, 5120, “Signatures of Circumstellar Interaction in the Type III Supernova ASASSN-15oz”

Brittain, S.D., **Najita, J.R.**, Carr, J.S. 2019, ApJ, 883, 37, “High-Resolution Near-Infrared Spectroscopy of HD 100546. IV. Orbiting Companion Disappears on Schedule”

Brown, P.J., et al. 2019, AJ, 877, 152, “Red and Reddened: Ultraviolet through Near-Infrared Observations of Type Ia Supernova 2017erp”

Brum, C., et al. 2019, MNRAS, 486, 691, “A Close Look at the Dwarf AGN of NGC 4395: Optical and Near-IR Integral Field Spectroscopy”

Cabral, N., et al. 2019, A&A, 621, A102, “XI. No Active Centaurs in the Outer Solar System Origins Survey”

Calamida, A., Matheson, T., Saha, A., ... Narayan, G., Claver, J., ... Points, S., et al. 2019, ApJ, 872, 199, “Photometry and Spectroscopy of Faint Candidate Spectrophotometric Standard DA White Dwarfs”

Capasso, R., et al. 2019, MNRAS, 482, 1043, “Galaxy Kinematics and Mass Calibration in Massive SZE-selected Galaxy Clusters to $z = 1.3$ ”

Chan, J.C.C., et al. 2019, ApJ, 880, 119, “The Rest-Frame *H*-band Luminosity Function of Red-Sequence Galaxies in Clusters at $1.0 < z < 1.3$ ”

Chrimes, A.A., et al. 2019, MNRAS, 1907, 213, “The Case for a High-Redshift Origin of GRB100205A”

Coatman, L., et al. 2019, MNRAS, 486, 5335, “Kinematics of C IV and [O III] Emission in Luminous High-Redshift Quasars”

Comerford, J.M., et al. 2018, ApJ, 867, 66, “The Origin of Double-Peaked Narrow Lines in Active Galactic Nuclei. IV. Association with Galaxy Mergers”

Crighton, N.H.M., et al. 2019, MNRAS, 482, 1456, “Imprints of the First Billion Years: Lyman Limit Systems at $z \sim 5$ ”

Crossfield, I.J.M., ... **Everett, M.**, et al. 2019, ApJL, 883, L16, “A Super-Earth and Sub-neptune Transiting the Late-Type M Dwarf LP 791-18”

Dattilo, A., ... **Everett, M.E.**, et al. 2019, AJ, 157, 169, “Identifying Exoplanets with Deep Learning. II. Two New Super-Earths Uncovered by a Neural Network in *K2* Data”

David, T.J., et al. 2019, ApJ, 872, 161, “Age Determination in Upper Scorpius with Eclipsing Binaries”

de Kleer, K., de Pater, I., **Ádámkóvics, M.** 2019, Icar, 317, 104, “Emission from Volcanic SO Gas on Io at High Spectral Resolution”

de Kleer, K., Nimmo, F., Kite, E. 2019, Geophys. Res. Lett., 46, 12, “Variability in Io’s Volcanism on Timescales of Periodic Orbital Changes”

de Kleer, K., et al. 2019, AJ, 158, 29, “Io’s Volcanic Activity from Time Domain Adaptive Optics Observations: 2013–2018”

Decker, B., et al. 2019, ApJ, 878, 72, “The Massive and Distant Clusters of WISE Survey VI: Stellar Mass Fractions of a Sample of High-Redshift Infrared-Selected Clusters”

Do, T., et al. 2019, Sci, 365, 664, “Relativistic Redshift of the Star S0-2 Orbiting the Galactic Center Supermassive Black Hole”

Do Duy, T., Lawson, W.A. 2019, MNRAS, 488, L75, “Evidence for the Absorption of Crystalline Silicates at 11.1 μm in the Spectra of the Nucleus of the Circinus Galaxy”

Draghis, P., et al. 2019, ApJ, 883, 108, “Multiband Optical Light Curves of Black-Widow Pulsars”

Dressing, C.D., et al. 2019, AJ, 158, 87, “Characterizing *K2* Candidate Planetary Systems Orbiting Low-Mass Stars. IV. Updated Properties for 86 Cool Dwarfs Observed during Campaigns 1–17”

Dupuy, T.J., Brandt, T.D., Kratter, K.M., Bowler, B.P. 2019, ApJL, 871, L4, “A Model-Independent Mass and Moderate Eccentricity for β Pic b”

Ene, I., et al. 2019, ApJ, 878, 57, “The MASSIVE Survey XIII—Spatially Resolved Stellar Kinematics in the Central 1 kpc of 20 Massive Elliptical Galaxies with the GMOS-North Integral-Field Spectrograph”

Esplin, T.L., Luhman, K.L. 2019, AJ, 158, 54, “A Survey for New Members of Taurus from Stellar to Planetary Masses”

Eyles, R.A.J., et al. 2019, MNRAS, 489, 13, “An Unusual Transient Following the Short GRB 071227” Fan, X., et al. 2019, ApJL, 870, L11, “The Discovery of a Gravitationally Lensed Quasar at $z = 6.51$ ”

Fernández-Ontiveros, J.A., et al. 2019, MNRAS, 485, 5377, “A Compact Jet at the Infrared Heart of the Prototypical Low-Luminosity AGN in NGC 1052”

Fisher, D.B., et al. 2019, ApJ, 870, 46, “Testing Feedback-Regulated Star Formation in Gas-Rich, Turbulent Disk Galaxies”

Fontanive, C., et al. 2019, MNRAS, 485, 4967, “A High Binary Fraction for the Most Massive Close-In Giant Planets and Brown Dwarf Desert Members”

Förster Schreiber, N.M., et al. 2019, ApJ, 875, 21, “The KMOS^{3D} Survey: Demographics and Properties of Galactic Outflows at $z = 0.6$ – 2.7 ”

Fox, O.D., Smith, N. 2019, MNRAS, 488, 3772, “Signatures of Circumstellar Interaction in the Unusual Transient AT 2018cow”

Frederick, S., et al. 2019, ApJ, 883, 31, “A New Class of Changing-Look LINERs”

Frost, A.J., Oudmaijer, R.D., de Wit, W.J., Lumsden, S.L. 2019, A&A, 625, A44, “A Multi-scale Exploration of a Massive Young Stellar Object. A Transition Disk around G305.20+0.21?”

Frye, B.L., ... **Norman, D.**, et al. 2019, ApJ, 871, 51, “PLCK G165.7+67.0: Analysis of a Massive Lensing Cluster in a *Hubble Space Telescope* Census of Submillimeter Giant Arcs Selected Using *Planck/Herschel*”

Frye, B.L., et al. 2019, ApJ, 872, 129, “A Sub-damped Ly α Absorber with Unusual Abundances:

Evidence of Gas Recycling in a Low-Redshift Galaxy Group”

Fuller, L., et al. 2019, MNRAS, 483, 3404, “SOFIA/FORCAST Resolves 30–40 μm Extended Dust Emission in Nearby Active Galactic Nuclei”

García-Bernete, I., et al. 2019, MNRAS, 486, 4917, “Torus Model Properties of an Ultra-hard X-ray Selected Sample of Seyfert Galaxies”

Garofali, K., Levesque, E.M., Massey, P., Williams, B.F. 2019, ApJ, 880, 8, “The First Candidate Colliding-Wind Binary in M33”

Geballe, T.R., et al. 2019, ApJ, 872, 103, “Background Infrared Sources for Studying the Galactic Center’s Interstellar Gas”

Golovich, N., et al. 2019, ApJ, 882, 69, “Merging Cluster Collaboration: A Panchromatic Atlas of Radio Relic Mergers”

Gomez, S., et al. 2019, ApJ, 881, 87, “SN 2016iet: The Pulsational or Pair Instability Explosion of a Low-Metallicity Massive CO Core Embedded in a Dense Hydrogen-Poor Circumstellar Medium”

Gonzalez, A.H., et al. 2019, ApJS, 240, 33, “The Massive and Distant Clusters of *WISE* Survey. I. Survey Overview and a Catalog of >2000 Galaxy Clusters at $z \simeq 1$ ”

Gordon, M.S., et al. 2019, *AJ*, 157, 57, “Thermal Emission in the Southwest Clump of VY Cma” Greco, J.P., et al. 2018, *ApJ*, 866, 112, “A Study of Two Diffuse Dwarf Galaxies in the Field”

Greig, B., Mesinger, A., Bañados, E. 2019, *MNRAS*, 484, 5094, “Constraints on Reionization from the $z = 7.5$ QSO ULASJ1342+0928”

Guo, H., et al. 2019, *MNRAS*, 482, 3288, “Constraining Sub-parsec Binary Supermassive Black Holes in Quasars with Multi-epoch Spectroscopy – III. Candidates from Continued Radial Velocity Tests”

Hamann, F., Tripp, T.M., Rupke, D., Veilleux, S. 2019, *MNRAS*, 487, 5041, “On the Emergence of THOUSANDS of Absorption Lines in the Quasar PG 1411+442: A Clumpy High-Column Density Outflow from the Broad Emission-Line Region?”

Hernández Santisteban, J.V., et al. 2019, *MNRAS*, 488, 4596, “Multiwavelength Characterization of the Accreting Millisecond X-ray Pulsar and Ultracompact Binary IGR J17062–6143”

Hinkle, J.T., Veilleux, S., Rupke, D.S.N. 2019, *ApJ*, 881, 31, “Ionization Mechanisms in Quasar Outflows”

Hinkle, K.H., et al. 2019, *ApJ*, 872, 43, “Infrared Spectroscopy of Symbiotic Stars. XII. The Neutron Star SyXB System 4U 1700+24 = V934 Herculis”

Horch, E.P., et al. 2019, *AJ*, 157, 56, “Observations of Binary Stars with the Differential Speckle Survey Instrument. VIII. Measures of Metal-Poor and Triple Stars from 2015 to 2018”

Howell, S.B., Scott, N.J., Matson, R.A., Horch, E.P., Stephens, A. 2019, *AJ*, 158, 113, “High-Resolution Imaging Transit Photometry of Kepler-13AB”

Hsiao, E.Y., et al. 2019, *PASP*, 131, 014002, “Carnegie Supernova Project-II: The Near-Infrared Spectroscopy Program”

Hung, T., et al. 2019, *ApJ*, 879, 119, “Discovery of Highly Blueshifted Broad Balmer and Metastable Helium Absorption Lines in a Tidal Disruption Event”

Husemann, B., et al. 2019, *A&A*, 627, A53, “The Close AGN Reference Survey (CARS): A Massive Multi-phase Outflow Impacting the Edge-On Galaxy HE 1353–1917”

Jencson, J.E., et al. 2019, *ApJL*, 880, L20, “Discovery of an Intermediate-Luminosity Red Transient in M51 and Its Likely Dust-Obscured, Infrared-Variable Progenitor”

Ji, A.P., Simon, J.D., Frebel, A., Venn, K.A., Hansen, T.T. 2019, *ApJ*, 870, 83, “Chemical Abundances in the Ultra-faint Dwarf Galaxies Grus I and Triangulum II: Neutron-Capture Elements as a Defining Feature of the Faintest Dwarfs”

Jones, M.I., et al. 2019, *A&A*, 625, A16, “HD 2685 b: A Hot Jupiter Orbiting an Early F-type Star Detected by TESS”

Jørgensen, I., et al. 2019, ApJ, 881, 42, “The Gemini/HST Galaxy Cluster Project: Environment Effects on the Stellar Population in the Lynx Clusters at $z = 1.27$ ”

Kane, S.R., ... **Everett, M.E.** 2019, ApJ, 875, 74, “Discovery of a Compact Companion to a Nearby Star”

Kane, S.R., ... **Everett, M.E.**, et al. 2019, AJ, 157, 252, “Detection of Planetary and Stellar Companions to Neighboring Stars via a Combination of Radial Velocity and Direct Imaging Techniques”

Kann, D.A., et al. 2019, A&A, 624, A143, “Highly Luminous Supernovae Associated with Gamma-ray Bursts. I. GRB 111209/SN 201 1kl in the Context of Stripped-Envelope and Superluminous Supernovae”

Kidder, B., Mace, G., Sokal, K., Lopez, R., Jaffe, D. 2019, ApJ, 879, 63, “Radial Velocities of Low-Mass Candidate TWA Members”

Klose, S., et al. 2019, A&A, 622, A138, “Four GRB Supernovae at Redshifts between 0.4 and 0.8 – The Bursts GRB 071112C, 111228A, 120714B, and 130831A”

Kostov, V.B., **Everett, M.E.**, et al. 2019, AJ, 158, 32, “The L 98-59 System: Three Transiting, Terrestrial-Size Planets Orbiting a Nearby M Dwarf”

Kumari, N., James, B.L., Irwin, M.J., Aloisi, A. 2019, MNRAS, 485, 1103, “Small-Scale Chemical Abundance Analysis in a Blue Compact Dwarf Galaxy SBS 1415+437”

Lacaille, K.M., et al. 2019, MNRAS, 488, 1790, “Two Sub-millimetre Bright Protoclusters Bounding the Epoch of Peak Star-Formation Activity”

Lacy, M., et al. 2019, MNRAS, 483, L22, “Direct Detection of Quasar Feedback via the Sunyaev-Zeldovich Effect”

LaMassa, S.M., et al. 2019, ApJ, 876, 50, “SDSS-IV eBOSS Spectroscopy of X-ray and *WISE* AGNs in Stripe 82X: Overview of the Demographics of X-ray- and Mid-infrared-selected Active Galactic Nuclei”

Lasker, J., ... **Abbott, T.M.C.**, ... **Smith, R.C.**, ... **Walker, A.R.** 2019, MNRAS, 485, 5329, “First Cosmology Results Using Type IA Supernovae from the Dark Energy Survey: Effects of Chromatic Corrections to Supernova Photometry on Measurements of Cosmological Parameters”

Lazorenko, P.F., Sahlmann, J. 2018, A&A, 618, A111, “Updated Astrometry and Masses of the LUH 16 Brown Dwarf Binary”

Lee, C.-H. 2019, AJ, 157, 14, “Spectroscopic Confirmation of the Quadruply Lensed Quasar WG0214–2105”

Leggett, S.K., et al. 2018, ApJS, 239, 26, “Distant White Dwarfs in the US Naval Observatory Flagstaff Station Parallax Sample”

Leighly, K.M., et al. 2019, ApJ, 879, 27, “The $z = 0.54$ LoBAL Quasar SDSS J085053.12+445122.5. II. The Nature of Partial Covering in the Broad-Absorption-Line Outflow”

Liu, M., et al. 2019, ApJ, 874, 16, “The *SOFIA* Massive (SOMA) Star Formation Survey. II. High Luminosity Protostars”

Livingston, J.H., et al. 2018, AJ, 156, 277, “Sixty Validated Planets from K2 Campaigns 5–8”

Logsdon, S.E., Mace, G.N., McLean, I.S., Martin, E.C. 2018, ApJ, 867, 96, “Probing Late-Type T Dwarf $J - H$ Color Outliers for Signs of Age”

Long, K.S., Winkler, P.F., Blair, W.P. 2019, ApJ, 875, 85, “A New, Larger Sample of Supernova Remnants in NGC 6946”

López-Valdivia, R., et al. 2019, ApJ, 879, 105, “Effective Temperatures of Low-Mass Stars from High-Resolution H -band Spectroscopy”

Lorenzo-Oliveira, D., et al. 2019, MNRAS, 485, L68, “Constraining the Evolution of Stellar Rotation Using Solar Twins”

Maas, Z.G., Gerber, J.M., Deibel, A., Pilachowski, C.A. 2019, ApJ, 878, 43, “Carbon Isotope Ratios in M10 Giants”

Macaulay, E., ... **Abbott, T.M.C.**, ... **Walker, A.R.**, et al. 2019, MNRAS, 486, 2184, “First Cosmological Results Using Type Ia Supernovae from the Dark Energy Survey: Measurement of the Hubble Constant”

Mann, A.W., et al. 2019, ApJ, 871, 63, “How to Constrain Your M Dwarf. II. The Mass-Luminosity-Metallicity Relation from 0.075 to 0.70 Solar Masses”

Marcus, P.S., Tollefson, J., Wong, M.H., de Pater, I. 2019, Icar, 324, 198, “An Equatorial Thermal Wind Equation: Applications to Jupiter”

Marsset, M., et al. 2019, AJ, 157, 94, “Col-OSSOS: Color and Inclination are Correlated Throughout the Kuiper Belt”

Matharu, J., et al. 2019, MNRAS, 484, 595, “HST/WFC3 Grism Observations of $z \sim 1$ Clusters: The Cluster Versus Field Stellar Mass-Size Relation and Evidence for Size Growth of Quiescent Galaxies from Minor Mergers”

Matsuoka, Y., ... **Lee, C-H.**, et al. 2019, ApJL, 872, L2, “Discovery of the First Low-Luminosity Quasar at $z > 7$ ”

McDonald, M., et al. 2019, ApJ, 870, 85, “A Detailed Study of the Most Relaxed SPT-selected Galaxy Clusters: Properties of the Cool Core and Central Galaxy”

Meyer, R.A., Bosman, S.E.I., Ellis, R.S. 2019, MNRAS, 487, 3305, “New Constraints on Quasar Evolution: Broad-Line Velocity Shifts over $1.5 \lesssim z \lesssim 7.5$ ”

Monnier, J.D., et al. 2019, ApJ, 872, 122, “Multiple Spiral Arms in the Disk around Intermediate-Mass Binary HD 34700A”

Monty, S., et al. 2018, ApJ, 865, 160, “The GeMS/GSAOI Galactic Globular Cluster Survey (G4CS). I. A Pilot Study of the Stellar Populations in NGC 2298 and NGC 3201”

Moskovitz, N.A., et al. 2019, Icar, 333, 165, “A Common Origin for Dynamically Associated Near-Earth Asteroid Pairs”

Narayan, G., **Matheson, T., Saha, A., ... Claver, J.**, et al. 2019, ApJS, 241, 20, “Subpercent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories”

Newton, E.R., et al. 2019, ApJL, 880, L17, “*TESS* Hunt for Young and Maturing Exoplanets (THYME): A Planet in the 45 Myr Tucana-Horologium Association”

Nguyen, D.D., et al. 2019, ApJ, 872, 104, “Improved Dynamical Constraints on the Masses of the Central Black Holes in Nearby Low-Mass Early-Type Galactic Nuclei and the First Black Hole Determination for NGC 205”

Nicholl, M., Berger, E., Blanchard, P.K., Gomez, S., Chornock, R. 2019, ApJ, 871, 102, “The Nebular-Phase Spectra of Superluminous Supernovae: Physical Insights from Observational and Statistical Properties”

Nielsen, E.L., et al. 2019, AJ, 158, 13, “The Gemini Planet Imager Exoplanet Survey: Giant Planet and Brown Dwarf Demographics from 10-100 AU”

Oka, T., et al. 2019, ApJ, 883, 54, “The Central 300pc of the Galaxy Probed by Infrared Spectra of $H\beta$ and CO. I. Predominance of Warm and Diffuse Gas and High H_2 Ionization Rate”

Onoue, M., ... **Lee, C-H.**, et al. 2019, ApJ, 880, 77, “Subaru High- z Exploration of Low-Luminosity Quasars (SHELLQs). VI. Black Hole Mass Measurements of Six Quasars at $6.1 \leq z \leq 6.7$ ”

Pandey, S.B., et al. 2019, MNRAS, 485, 5294, “A Multiwavelength Analysis of a Collection of Short-Duration GRBs Observed between 2012 and 2015”

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Piatti, A.E., Salinas, R., Grebel, E.K. 2019, MNRAS, 482, 980, “A Likely Runaway Star Cluster in the Outer Disc of the Large Magellanic Cloud”

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Pontoppidan, K.M., et al. 2019, ApJ, 874, 92, “The Nitrogen Carrier in Inner Protoplanetary Disks”

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Ren, B., et al. 2019, ApJ, 882, 64, “An Exo-Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light”

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Sales, D.A., et al. 2019, MNRAS, 486, 3350, “Gemini IFU, VLA, and *HST* Observations of the OH Megamaser Galaxy IRAS17526 + 3253”

Salyk, C., ... **Najita, J.R.**, et al. 2019, ApJ, 874, 24, “A High-Resolution Mid-infrared Survey of Water Emission from Protoplanetary Disks”

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Sand, D.J., ... **Matheson, T.**, et al. 2019, ApJL, 877, L4, “Nebular H α Limits for Fast Declining SNe Ia”

- Schlaufman, K.C., Thompson, I.B., Casey, A.R. 2018, ApJ, 867, 98, “An Ultra Metal-Poor Star Near the Hydrogen-Burning Limit”
- Schwamb, M.E., et al. 2019, ApJS, 243, 12, “CoI-OSSOS: The Colors of the Outer Solar System Origins Survey”
- Shapiro, J., Savransky, D., Ruffio, J.-B., Ranganathan, N., Macintosh, B. et al. 2019, AJ, 158, 125, “Detecting Planets from Direct-Imaging Observations Using Common Spatial Pattern Filtering”
- Shen, Y., et al. 2019, ApJ, 873, 35, “Gemini GNIRS Near-Infrared Spectroscopy of 50 Quasars at $z \gtrsim 5.7$ ”
- Sickafoose, A.A., et al. 2019, Icar, 319, 657, “A Stellar Occultation by Vanth, a Satellite of (90482) Orcus”
- Smith, G.P., et al. 2019, MNRAS, 485, 5180, “Deep and Rapid Observations of Strong-Lensing Galaxy Clusters within the Sky Localization of GW170814”
- Smith, N., ... **Smith, R.C.**, et al. 2018, MNRAS, 480, 1466, “Light Echoes from the Plateau in Eta Carinae’s Great Eruption Reveal a Two-Stage Shock-Powered Event”
- Smith, N., ... **Matheson, T.**, ... **Smith, R.C.**, et al. 2018, MNRAS, 480, 1457, “Exceptionally Fast Ejecta Seen in Light Echoes of Eta Carinae’s Great Eruption”
- Spite, M., et al. 2019, A&A, 624, A44, “Be and O in the Ultra Metal-Poor Dwarf 2MASS J18082002-5104378: The Be–O Correlation”
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- Szalai, T., et al. 2019, ApJ, 876, 19, “The Type II-P Supernova 2017eaw: From Explosion to the Nebular Phase”
- Taddia, F., et al. 2019, A&A, 621, A71, “Analysis of Broad-Lined Type Ic Supernovae from the (Intermediate) Palomar Transient Factory”
- Tanvir, N.R., et al. 2019, MNRAS, 483, 5380, “The Fraction of Ionizing Radiation from Massive Stars that Escapes to the Intergalactic Medium”
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