

NOAO System Science and Data Center (NSSDC)

GEMINI PUBLICATIONS FROM U.S. AWARDED TIME

FY 16 (Oct. 2015–Sept. 2016), Publications resulted: 90

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

Aartsen, M.G., et al. 2015, ApJ, 811, 52, “The Detection of a SN IIn in Optical Follow-Up Observations of Icecube Neutrino Events”

Andrews, J.E., et al. 2016, MNRAS, 457, 3241, “Early Dust Formation and a Massive Progenitor for SN 2011aj?”

Appourchaux, T., ... **Everett, M.**, et al. 2015, A&A, 582, A25, “A Seismic and Gravitationally Bound Double Star Observed by Kepler: Implication for the Presence of a Convective Core”

Arcavi, I., et al. 2016, ApJ, 819, 35, “Rapidly Rising Transients in the Supernova—Superluminous Supernova Gap”

Arrigoni Battaia, F., Hennawi, J.F., Cantalupo, S., Prochaska, J.X. 2016, ApJ, 829, 3, “The Stacked Ly α Emission Profile from the Circum-galactic Medium of $z \sim 2$ Quasars”

Assef, R.J., et al. 2016, ApJ, 819, 111, “Hot Dust Obscured Galaxies with Excess Blue Light: Dual AGN or Single AGN under Extreme Conditions?”

Ballering, N.P., Su, K.Y.L., Rieke, G.H., Gáspár, A. 2016, ApJ, 823, 108, “A Comprehensive Dust Model Applied to the Resolved Beta Pictoris Debris Disk from Optical to Radio Wavelengths”

Balogh, M.L., et al. 2016, MNRAS, 456, 4364, “Evidence for a Change in the Dominant Satellite Galaxy Quenching Mechanism at $z = 1$ ”

Barbosa, C.L., **Blum, R.D.**, Daminieli, A., Conti, P. S., Gusmão, D.M. 2016, AJ, 825, 54, “A Mid-infrared View of the High Mass Star Formation Region W51A”

Baron, E., et al. 2015, MNRAS, 454, 2549, “Spectral Models for Early Time SN 2011fe Observations”

Berney, S., et al. 2015, MNRAS, 454, 3622, “BAT AGN Spectroscopic Survey—II. X-ray Emission and High-Ionization Optical Emission Lines”

Blanchard, P.K., Berger, E., Fong, W.-F. 2016, ApJ, 817, 144, “The Offset and Host Light Distributions of Long Gamma-ray Bursts: A New View from HST Observations of Swift Bursts”

Boley, P.A., et al. 2016, A&A, 586, A78, “A Multi-wavelength Interferometric Study of the Massive Young Stellar Object IRAS 13481-6124”

Bond, H.E., et al. 2016, ApJ, 826, 139, “The Nucleus of the Planetary Nebula EGB 6 as a Post-Mira Binary”

- Britt, C.T., et al. 2016, MNRAS, 460, 2822, “Discovery of a Long-Lived, High-Amplitude Dusty Infrared Transient”
- Brown, G.C., et al. 2015, MNRAS, 452, 4297, “Swift J1112.2–8238: A Candidate Relativistic Tidal Disruption Flare”
- Bussmann, R.S., et al. 2015, ApJ, 812, 43, “HerMES: ALMA Imaging of Herschel-Selected Dusty Star-Forming Galaxies”
- Castro, P.J., Gizis, J.E. 2016, ApJ, 816, 78, “Discovery of an L4 β Candidate Member of Argus in the Planetary Mass Regime: WISE J231921.92+764544.4”
- Cerulo, P., et al. 2016, MNRAS, 457, 2209, “The Accelerated Build-Up of the Red Sequence in High-Redshift Galaxy Clusters”
- Chiang, P., Chen, W.P. 2015, ApJL, 811, L16, “Discovery of Young Methane Dwarfs in the RHO Ophiuchi L 1688 Dark Cloud”
- Childress, M.J., et al. 2015, MNRAS, 454, 3816, “Measuring Nickel Masses in Type Ia Supernovae Using Cobalt Emission in Nebular Phase Spectra”
- Chiu, I., et al. 2016, MNRAS, 455, 258, “Baryon Content of Massive Galaxy Clusters at $0.57 < z < 1.33$ ”
- Currie, T., et al. 2015, ApJL, 814, L27, “Resolving the HD 100546 Protoplanetary System with the Gemini Planet Imager: Evidence for Multiple Forming, Accreting Planets”
- Dahle, H., Gladders, M.D., Sharon, K., Bayliss, M.B., Rigby, J.R. 2015, ApJ, 813, 67, “Time Delay Measurements for the Cluster-Lensed Sextuple Quasar SDSS J2222+2745”
- de Pater, I., et al. 2016, Icarus, 264, 198, “Io: Eruptions at Pillan, and the Time Evolution of Pele and Pillan from 1996 to 2015”
- Deacon, N.R., Schlieder, J.E., Murphy, S.J. 2016, MNRAS, 457, 3191, “A Nearby Young M Dwarf with a Wide, Possibly Planetary-Mass Companion”
- Endl, M., ... **Everett, M.**, et al. 2016, ApJ, 818, 34, “Two New Long-Period Giant Planets from the McDonald Observatory Planet Search and Two Stars with Long-Period Radial Velocity Signals Related to Stellar Activity Cycles”
- Faherty, J.K., et al. 2016, ApJS, 225, 10, “Population Properties of Brown Dwarf Analogs to Exoplanets”
- Folatelli, G., et al. 2015, ApJ, 811, 147, “The Progenitor of the Type IIb SN 2008ax Revisited”
- Foltz, R., et al. 2015, ApJ, 812, 138, “Evidence for the Universality of Properties of Red-Sequence Galaxies in X-ray- and Red-Sequence-Selected Clusters at $z \sim 1$ ”
- Fong, W., Berger, E., Margutti, R., Zauderer, B.A. 2015, ApJ, 815, 102, “A Decade of Short-Duration Gamma-ray Burst Broadband Afterglows: Energetics, Circumburst Densities, and Jet Opening Angles”

- Fremling, C., et al. 2016, *A&A*, 593, A68, “Two Stripped-Envelope Supernovae from Low-Mass Progenitors in NGC 5806”
- Gałań, C., Mikołajewska, J., **Hinkle, K.H., Joyce, R.R.** 2016, *MNRAS*, 455, 1282, “Chemical Abundance Analysis of Symbiotic Giants—III. Metallicity and CNO Abundance Patterns in 24 Southern Systems”
- Gianninas, A., Curd, B., Fontaine, G., Brown, W.R., Kilic, M. 2016, *ApJL*, 822, L27, “Discovery of Three Pulsating, Mixed-Atmosphere, Extremely Low-Mass White Dwarf Precursors”
- Gizis, J.E., Burgasser, A.J., Vrba, F.J. 2015, *AJ*, 150, 179, “Properties of the Nearby Brown Dwarf WISEP J180026.60+013453.1”
- Gizis, J.E., et al. 2015, *ApJ*, 813, 104, “Kepler Monitoring of an L Dwarf. II. Clouds with Multi-year Lifetimes”
- Gonzalez, A.H., et al. 2015, *ApJL*, 812, L40, “The Massive and Distant Clusters of WISE Survey: MOO J1142+1527, A $10^{15} M_{\odot}$ Galaxy Cluster at $z = 1.19$ ”
- Gullikson, K., Kraus, A., Dodson-Robinson, S. 2016, *AJ*, 152, 40, “The Close Companion Mass-Ratio Distribution of Intermediate-Mass Stars”
- Hankins, M.J., et al. 2016, *ApJ*, 827, 136, “Infrared Observations of the Quintuplet Proper Members Using SOFIA/FORCAST and Gemini/TReCS”
- Howell, S.B., **Everett, M.E.**, et al. 2016, *ApJL*, 829, L2, “Speckle Imaging Excludes Low-Mass Companions Orbiting the Exoplanet Host Star TRAPPIST-1”
- Kalas, P.G., et al. 2015, *ApJ*, 814, 32, “Direct Imaging of an Asymmetric Debris Disk in the HD 106906 Planetary System”
- Khalafinejad, S., Maaskant, K.M., Mariñas, N., Tielens, A.G.G.M. 2016, *A&A*, 587, A62, “Large Dust Gaps in the Transitional Disks of HD 100453 and HD 34282: Connecting the Gap Size to the Spectral Energy Distribution and Mid-infrared Imaging”
- Khazov, D., et al. 2016, *ApJ*, 818, 3, “Flash Spectroscopy: Emission Lines from the Ionized Circumstellar Material around <10-Day-Old Type II Supernovae”
- Knowles, K., et al. 2016, *MNRAS*, 459, 4240, “A Giant Radio Halo in a Low-Mass SZ-selected Galaxy Cluster: ACT-CL J0256.5+0006”
- Kreidberg, L., et al. 2015, *ApJ*, 814, 66, “A Detection of Water in the Transmission Spectrum of the Hot Jupiter WASP-12b and Implications for Its Atmospheric Composition”
- Lee, C.-H., 2016, *MNRAS*, 461, L37, “AGB Stars in Leo P and Their Use as Metallicity Probes”
- Leggett, S.K., et al. 2016, *ApJ*, 824, 2, “Near-Infrared Spectroscopy of the Y0 WISEP J173835.52+273258.9 and the Y1 WISE J035000.32–565830.2: The Importance of Non-equilibrium Chemistry”

- Lena, D., et al. 2016, MNRAS, 459, 4485, “Ionized Gas Kinematics within the Inner Kiloparsec of the Seyfert Galaxy NGC 1365”
- Levan, A.J., et al. 2016, ApJ, 819, 51, “Late Time Multi-wavelength Observations of Swift J1644+5734: A Luminous Optical/IR Bump and Quiescent X-ray Emission”
- Liu, G., Arav, N., Rupke, D.S.N. 2015, ApJS, 221, 9, “Integral Field Spectroscopy of AGN Absorption Outflows: MRK 509 and IRAS F04250-5718”
- Liu, Y., et al. 2016, ApJ, 818, 179, “Evidence for the Rapid Formation of Low-Mass Early-Type Galaxies in Dense Environments”
- Luhman, K.L., Esplin, T.L. 2016, AJ, 152, 78, “The Spectral Energy Distribution of the Coldest Known Brown Dwarf”
- Luhman, K.L., Esplin, T.L., Loutrel, N.P. 2016, ApJ, 827, 52, “A Census of Young Stars and Brown Dwarfs in IC 348 and NGC 1333”
- Magrini, L., Coccato, L., Stanghellini, L., Casasola, V., Galli, D. 2016, A&A, 588, A91, “Metallicity Gradients in Local Universe Galaxies: Time Evolution and Effects of Radial Migration”
- Maire, A.-L., et al. 2016, A&A, 587, A56, “First Light of the VLT Planet Finder SPHERE II. The Physical Properties and the Architecture of the Young Systems PZ Telescopii and HD 1160 Revisited”
- Mazoyer, J., et al. 2016, ApJ, 818, 150, “A Symmetric Inner Cavity in the HD 141569A Circumstellar Disk”
- Morzinski, K.M., et al. 2015, ApJ, 815, 108, “Magellan Adaptive Optics First-Light Observations of the Exoplanet β Pic b. II. 3–5 μ m Direct Imaging with MagAO+Clio, and the Empirical Bolometric Luminosity of a Self-Luminous Giant Planet”
- Narayan, G., ..., Matheson, T., Saha, A., ..., et al.** 2016, ApJ, 822, 67, “Toward a Network of Faint DA White Dwarfs as High-Precision Spectrophotometric Standards”
- Narayan, G., ..., Matheson, T., ..., Smith, R.C., et al.** 2016, ApJS, 224, 3, “Light Curves of 213 Type Ia Supernovae from the Essence Survey”
- Nicholl, M., et al. 2016, ApJL, 828, L18, “Superluminous Supernova SN 2015bn in the Nebular Phase: Evidence for the Engine-Powered Explosion of a Stripped Massive Star”
- Nicuesa Guelbenzu, A., et al. 2015, A&A, 583, A88, “Identifying the Host Galaxy of the Short GRB 100628A”
- Noble, A.G., et al. 2016, ApJ, 816, 48, “The Phase Space of $z \sim 1.2$ SpARCS Clusters: Using Herschel to Probe Dust Temperature as a Function of Environment and Accretion History”
- Obreschkow, D., et al. 2015, ApJ, 815, 97, “Low Angular Momentum in Clumpy, Turbulent Disk Galaxies”

- Ofek, E.O., et al. 2016, ApJ, 824, 6, “PTF13efv—An Outburst 500 Days Prior to the SNHunt 275 Explosion and Its Radiative Efficiency”
- Optiz, D., et al. 2016, ApJ, 819, 17, “Searching for Binary Y Dwarfs with the Gemini Multi-conjugate Adaptive Optics System (GeMS)”
- Parrent, J.T., et al. 2016, MNRAS, 457, 3702, “Comparative Analysis of SN 2012dn Optical Spectra: Days -14 to +114”
- Pereira-Santaella, M., et al. 2015, MNRAS, 454, 3679, “Sub-arcsec Mid-IR Observations of NGC 1614: Nuclear Star Formation or an Intrinsically X-ray Weak AGN?”
- Perley, D.A., et al. 2016, ApJ, 817, 7, “The Swift Gamma-ray Burst Host Galaxy Legacy Survey. I. Sample Selection and Redshift Distribution”
- Posselt, B., Luhman, K.L. 2016, AN, 337, 576, “Gemini J-band Observations of RX J0806.4–4123”
- Prieto, M.A., Fernández-Ontiveros, J.A., Markoff, S., Espada, D., González-Martín, O. 2016, MNRAS, 457, 3801, “The Central Parsecs of M87: Jet Emission and an Elusive Accretion Disc”
- Rapson, V.A., Kastner, J.H., Millar-Blanchaer, M.A., Dong, R. 2015, ApJL, 815, L26, “Peering into the Giant-Planet-Forming Region of the TW Hydrae Disk with the Gemini Planet Imager”
- Sand, D.J., et al. 2016, ApJL, 822, L16, “Post-maximum Near-Infrared Spectra of SN 2014J: A Search for Interaction Signatures”
- Scharwächter, J., Combes, F., Salomé, P., Sun, M., Krips, M. 2016, MNRAS, 457, 4272, “The Overmassive Black Hole in NGC 1277: New Constraints from Molecular Gas Kinematics”
- Seok, J.Y., Li, A. 2016, ApJ, 818, 2, “Dust and Polycyclic Aromatic Hydrocarbon in the Pre-transitional Disk around HD 169142”
- Sharon, K., et al. 2015, ApJ, 814, 21, “A Multi-wavelength Mass Analysis of RCS2 J232727.6-020437, A $\sim 3 \times 10^{15} M_{\odot}$ Galaxy Cluster at $z = 0.7$ ”
- Sifón, C., et al., 2016, MNRAS, 461, 248, “The Atacama Cosmology Telescope: Dynamical Masses for 44 SZ-Selected Galaxy Clusters over 755 Square Degrees”
- Skemer, A.J., et al. 2016, ApJL, 826, L17, “The First Spectrum of the Coldest Brown Dwarf”
- Smith, N., et al. 2016, MNRAS, 455, 3546, “The Persistent Eruption of UGC 2773-OT: Finally, a Decade-Long Extragalactic Eta Carinae Analogue”
- Snodgrass, C., et al. 2016, A&A, 588, A80, “Distant Activity of 67P/Churyumov-Gerasimenko in 2014: Ground-Based Results during the Rosetta Pre-landing Phase”
- Stanghellini, L.,** Magrini, L., Casasola, V. 2015, ApJ, 812, 39, “Gas-Phase Oxygen Abundances and Radial Metallicity Gradients in the Two Nearby Spiral Galaxies NGC 7793 and NGC 4945”

- Teske, J., **Everett, M.E.**, et al. 2015, AJ, 150, 144, “A Comparison of Spectroscopic Versus Imaging Techniques for Detecting Close Companions to Kepler Objects of Interest”
- Tomasella, L., et al. 2016, MNRAS, 459, 1018, “Optical and Near-Infrared Observations of SN 2014ck: An Outlier among the Type Ia Supernovae”
- Troja, E., et al. 2016, ApJ, 827, 102, “An Achromatic Break in the Afterglow of the Short GRB 140903A: Evidence for a Narrow Jet”
- Tsang, C.C.C., Spencer, J.R., Lellouch, E., Lopez-Valverde, M.A., Richter, M.J. 2016, JGRE, 121, 1400, “The Collapse of Io’s Primary Atmosphere in Jupiter Eclipse”
- Valenti, S., et al. 2016, MNRAS, 459, 3939, “The Diversity of Type II Supernova Versus the Similarity in Their Progenitors”
- van Dokkum, P., et al. 2016, ApJL, 828, L6, “A High Stellar Velocity Dispersion and ~100 Globular Clusters for the Ultra-diffuse Galaxy Dragonfly 44”
- Velasco, S., et al. 2016, MNRAS, 460, 3519, “High Spatial Resolution Optical Imaging of the Multiple T Tauri System LkH α 262/LkH α 263”
- Walsh, J.L., et al. 2016, ApJ, 817, 2, “A $5 \times 10^9 M_{\odot}$ Black Hole in NGC 1277 from Adaptive Optics Spectroscopy”
- Wylezalek, D., Zakamska, N.L., Liu, G., Obied, G. 2016, MNRAS, 457, 745, “Towards a Comprehensive Picture of Powerful Quasars, Their Host Galaxies and Quasar Winds at $z \sim 0.5$ ”
- Yan, T., et al. 2016, AJ, 151, 74, “Invisible Active Galactic Nuclei. II. Radio Morphologies and Five New H $_1$ 21 cm Absorption Line Detectors”

http://www.noao.edu/noao/library/Gemini_Observatory_US_Telescopes_Publications_FY16.pdf

Updated: 5/31/17