

**National Optical Astronomy Observatory
Community Science and Data Center**

GEMINI PUBLICATIONS FROM U.S.-AWARDED TIME

FY 18 (Oct. 2017–Sept. 2018), Publications: 126

This listing includes papers based on NOAO TAC–approved programs (tagged as US publications in the online Gemini Publications by Users database at <http://www.gemini.edu/science/publications>). It also includes DD, FT, LP, Other, and SV publications where one or more of the authors is an U.S. PI or Co-I.

Available on the web at:

http://www.noao.edu/noao/library/Gemini_Observatory_US_Telescopes_Publications_FY18.pdf.

Adams, S.M., et al. 2018, PASP, 130, 034202, “iPTF Survey for Cool Transients”

Ahn, C.P., et al. 2018, ApJ, 858, 102, “The Black Hole in the Most Massive Ultracompact Dwarf Galaxy M59-UCD3”

Alexandroff, R.M., et al. 2018, MNRAS, 479, 4936, “Spectropolarimetry of High-Redshift Obscured and Red Quasars”

Amodeo, S., et al. 2018, ApJ, 853, 36, “Spectroscopic Confirmation and Velocity Dispersions for 20 Planck Galaxy Clusters at $0.16 < z < 0.78$ ”

An, H., Romani, R.W. 2018, ApJ, 856, 105, “SED Constraints on the Highest- z Blazar Jet: QSO J0906+6930”

Baldwin, C., McDermid, R.M., Kuntschner, H., Maraston, C., Conroy, C. 2018, MNRAS, 473, 4698, “Comparison of Stellar Population Model Predictions Using Optical and Infrared Spectroscopy”

Balick, B., Frank, A., Liu, B., Corradi, R. 2018, ApJ, 853, 168, “Models of the Mass-Ejection Histories of Pre-planetary Nebulae. II. The Formation of Minkowski’s Butterfly and Its Proboscis in M2-9”

Balogh, M.L., et al. 2017, MNRAS, 470, 4168, “Gemini Observations of Galaxies in Rich Early Environments (GOGREEN) I: Survey Description”

Bañados, E., et al. 2018, Natur, 553, 473, “An 800-Million-Solar-Mass Black Hole in a Significantly Neutral Universe at a Redshift of 7”

Bannister, M.T., et al. 2017, ApJ, 851, L38, “Col-OSSOS: Colors of the Interstellar Planetesimal 1I/‘Oumuamua”

Belton, M.J.S., et al. 2018, ApJ, 856, L21, “The Excited Spin State of 1I/2017 U1 ‘Oumuamua”

- Binder, B., Levesque, E.M., Dorn-Wallenstein, T. 2018, *ApJ*, 863, 141, “No Strong Geometric Beaming in the Ultraluminous Neutron Star Binary NGC 300 ULX-1 (SN 2010da) from Swift and Gemini”
- Blanchard, P.K., et al. 2018, *ApJ*, 865, 9, “The Type I Superluminous Supernova PS16a_{qv}: Lightcurve Complexity and Deep Limits on Radioactive Ejecta in a Fast Event”
- Bolmer, J., et al. 2018, *A&A*, 609, A62, “Dust Reddening and Extinction Curves toward Gamma-ray Bursts at $z > 4$ ”
- Bowler, B.P., et al. 2017, *AJ*, 154, 165, “The Young Substellar Companion ROXs 12 B: Near-Infrared Spectrum, System Architecture, and Spin-Orbit Misalignment”
- Cantrall, C., et al. 2018, *Icar*, 312, 267, “Variability and Geologic Associations of Volcanic Activity on Io in 2001–2016”
- Carlin, J.L., Sheffield, A.A., Cunha, K., **Smith, V.V.** 2018, *ApJL*, 859, L10, “Chemical Abundances of Hydrostatic and Explosive Alpha-elements in Sagittarius Stream Stars”
- Chornock, R., ... **Matheson, T.**, et al. 2017, *ApJL*, 848, L19, “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. IV. Detection of Near-Infrared Signatures of r-process Nucleosynthesis with Gemini-South”
- Christiansen, J.L., et al. 2018, *AJ*, 155, 57, “The K2-138 System: A Near-Resonant Chain of Five Sub-Neptune Planets Discovered by Citizen Scientists”
- Conn, B.C., Jerjen, H., Kim, D., Schirmer, M. 2018, *ApJ*, 852, 68, “On the Nature of Ultra-faint Dwarf Galaxy Candidates. I. DES1, Eridanus III, and Tucana V”
- Conn, B.C., Jerjen, H., Kim, D., Schirmer, M. 2018, *ApJ*, 857, 70, “On the Nature of Ultra-faint Dwarf Galaxy Candidates. II. The Case of Cetus II”
- Corral-Santana, J.M., et al. 2018, *MNRAS*, 475, 1036, “The Long-Term Optical Evolution of the Black Hole Candidate MAXI J1659-152”
- Cowperthwaite, P.S., et al. 2017, *ApJL*, 848, L17, “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-Infrared Light Curves and Comparison to Kilonova Models”
- Davies, F.B., et al. 2018, *ApJ*, 864, 143, “Predicting Quasar Continua near $\text{Ly}\alpha$ with Principal Component Analysis”
- Davies, F.B., et al. 2018, *ApJ*, 864, 142, “Quantitative Constraints on the Reionization History from the IGM Damping Wing Signature in Two Quasars at $z > 7$ ”
- de Jaeger, T., et al. 2018, *MNRAS*, 476, 4592, “Observed Type II Supernova Colours from the Carnegie Supernova Project-I”
- de Pater, I., de Kleer, K., Davies, A.G., Ádámkóvics, M. 2017, *Icar*, 297, 265, “Three Decades of Loki Patera Observations”

- Diamond, T.R., et al. 2018, ApJ, 861, 119, “Near-Infrared Spectral Evolution of the Type Ia Supernova 2014J in the Nebular Phase: Implications for the Progenitor System”
- Dong, R., **Najita, J.R.**, Brittain, S. 2018, ApJ, 862, 103, “Spiral Arms in Disks: Planets or Gravitational Instability?”
- Dorn-Wallenstein, T., Levesque, E.M., Ruan, J.J. 2017, ApJ, 850, 86, “A Mote in Andromeda’s Disk: A Misidentified Periodic AGN behind M31”
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- Dressing, C.D., et al. 2017, AJ, 154, 207, “Characterizing K2 Candidate Planetary Systems Orbiting Low-Mass Stars. II. Planetary Systems Observed during Campaigns 1–7”
- Drummond, J.D., et al. 2018, Icar, 305, 174, “The Triaxial Ellipsoid Size, Density, and Rotational Pole of Asteroid (16) Psyche from Keck and Gemini AO Observations 2004–2015”
- Esparza-Arredondo, D., et al. 2018, ApJ, 859, 124, “Circumnuclear Star Formation and AGN Activity: Clues from Surface Brightness Radial Profile of PAHs and [S IV]”
- Esplin, T.L., Luhman, K.L. 2017, AJ, 154, 134, “A Survey for Planetary-Mass Brown Dwarfs in the Taurus and Perseus Star-Forming Regions”
- Esposito, T.M., et al. 2018, AJ, 156, 47, “Direct Imaging of the HD 35841 Debris Disk: A Polarized Dust Ring from Gemini Planet Imager and an Outer Halo from HST/STIS”
- Fletcher, L.N., et al. 2018, AJ, 156, 67, “Jupiter’s Mesoscale Waves Observed at 5 μ m by Ground-Based Observations and Juno JIRAM”
- Forbes, D.A., Remus, R.-S. 2018, MNRAS, 479, 4760, “Metallicity Gradients in the Globular Cluster Systems of Early-Type Galaxies: In Situ and Accreted Components?”
- Freitas, I.C., et al. 2018, MNRAS, 476, 2760, “Outflows in the Narrow-Line Region of Bright Seyfert Galaxies – I.GMOS-IFU Data”
- Gagné, J., et al. 2018, ApJL, 854, L27, “2MASS J13243553+6358281 is an Early T-type Planetary-Mass Object in the AB Doradus Moving Group”
- Goulding, A.D., et al. 2018, ApJ, 856, 4, “High-Redshift Extremely Red Quasars in X-rays”
- Greenbaum, A.Z., et al. 2018, AJ, 155, 226, “GPI Spectra of HR 8799 c, d, and e from 1.5 to 2.4 μ m with KLIP Forward Modeling”
- Harker, D.E., Woodward, C.E., Kelley, M.S.P., Wooden, D.H. 2018, AJ, 155, 199, “Hyperactivity and Dust Composition of Comet 103P/Hartley 2 during the EPOXI Encounter”

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- Hsieh, H.H., et al. 2018, *AJ*, 156, 39, “The Reactivation and Nucleus Characterization of Main-Belt Comet 358P/PANSTARRS (P/2012 T1)”
- Hsieh, H.H., Kim, Y., Fitzsimmons, A., Sykes, M.V. 2018, *ASP*, 130, 084402, “Search for Dust Emission from (24) Themis Using the Gemini-North Observatory”
- Hunt, Q., et al. 2018, *ApJL*, 860, L18, “Stellar and Molecular Gas Rotation in a Recently Quenched Massive Galaxy at $z \sim 0.7$ ”
- Jacobson-Galán, W.V., Dimitriadis, G., Foley, R.J., Kilpatrick, C.D. 2018, *ApJ*, 857, 88, “Constraining Type Ia Supernova Progenitor Scenarios with Extremely Late-Time Photometry of Supernova SN 2013aa”
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- Kawamuro, T., Schirmer, M., Turner, J.E.H., Davies, R.L., Ichikawa, K. 2017, *ApJ*, 848, 42, “NuSTAR Hard X-ray Data and Gemini 3D Spectra Reveal Powerful AGN and Outflow Histories in Two Low-Redshift Ly α Blobs”
- Kelly, P.L., ... **Matheson, T.**, et al. 2018, *NatAs*, 2, 334, “Extreme Magnification of an Individual Star at Redshift 1.5 by a Galaxy-Cluster Lens”
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- Kupfer, T., et al. 2017, ApJ, 851, 28, “The Omega White Survey for Short-Period Variable Stars.V. Discovery of an Ultracompact Hot Subdwarf Binary with a Compact Companion in a 44-minute Orbit”
- Lacy, M., ... **Ridgway, S.E.**, et al. 2018, ApJ, 864, 8, “A Subarcsecond Near-Infrared View of Massive Galaxies at $z > 1$ with Gemini Multi-conjugate Adaptive Optics”
- LaMassa, S.M., et al. 2017, ApJ, 847, 100, “The Hunt for Red Quasars: Luminous Obscured Black Hole Growth Unveiled in the Stripe 82 X-ray Survey”
- Laskar, T., et al. 2018, ApJ, 858, 65, “A VLA Study of High-Redshift GRBs. I. Multiwavelength Observations and Modeling of GRB 140311A”
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- Lee, K.-S., **Dey, A.**, **Matheson, T.**, et al. 2018, ApJ, 862, 24, “Discovery of a Very Large (≈ 20 kpc) Galaxy at $z = 3.72$ ”
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Masiero, J.R., et al. 2017, *AJ*, 154, 168, “NEOWISE Reactivation Mission Year Three: Asteroid Diameters and Albedos”

Matson, R.A., Howell, S.B., Horch, E.P., **Everett, M.E.** 2018, *AJ*, 156, 31, “Stellar Companions of Exoplanet Host Stars in K2”

Maud, J.R. 2018, *MNRAS*, 476, 2629, “The Very Young Resolved Stellar Populations around Stripped-Envelope Supernovae”

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Morley, C.V., et al. 2018, *ApJ*, 858, 97, “An L Band Spectrum of the Coldest Brown Dwarf”

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- Pajuelo, M., et al. 2018, *Icar*, 309, 134, “Physical, Spectral, and Dynamical Properties of Asteroid (107) Camilla and Its Satellites”
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- Salinas, R., Pajkos, M.A., **Vivas, A.K.**, Strader, J., Ramos, R.C. 2018, *AJ*, 155, 183, “Stellar Variability at the Main-Sequence Turnoff of the Intermediate-Age LMC Cluster NGC 1846”
- Sand, D.J., et al. 2018, *ApJ*, 863, 24, “Nebular Spectroscopy of the “Blue Bump” Type Ia Supernova 2017cbv”
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- Vanderburg, A., ... **Everett, M.E.**, et al. 2018, AJ, 156, 46, “Zodiacal Exoplanets in Time (ZEIT). VII. A Temperate Candidate Super-Earth in the Hyades Cluster”
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