



# FY16

## NOAO Publication Lists

---

### Cerro Tololo Inter-American Observatory (CTIO)

### Telescope Data Publications

#### Notes

- Names of NOAO scientific and technical staff are in boldface.
- The ADS bibcodes are live links to the relevant ADS records.
- Publications using data from NOAO telescopes may have come from time not allocated by the NOAO TAC.

---

#### CTIO 4m (Blanco)

**Abbott, T., ... James, D. J., ... Smith, R. C., ... Walker, A. R., et al.**, Dark Energy Survey Collaboration, 2016, PhRvD, 94, 022001, Cosmology from cosmic shear with Dark Energy Survey Science Verification data, [2016PhRvD..94b2001A](#)

*CTIO 4m*

Annis, J., ... **Walker, A. R., ... Abbott, T. M. C., ... James, D. J., ... Smith, R. C., et al.** 2016, ApJ, 823, 34, A Dark Energy Camera Search for Missing Supergiants in the LMC after the Advanced LIGO Gravitational-wave Event GW150914, [2016ApJ...823L..34A](#)

*CTIO 4m +DECam*

Balbinot, E., ... **Abbott, T. M. C., ... James, D. J., ... Smith, R. C., Walker, A. R., et al.** 2016, ApJ, 820, 58, The Phoenix Stream: A Cold Stream in the Southern Hemisphere, [2016ApJ...820...58B](#)

*CTIO 4m +DECam*

Bard, D., Kratochvil, J. M., Dawson, W. 2016, ApJ, 819, 158, Masked Areas in Shear Peak Statistics: A Forward Modeling Approach, [2016ApJ...819..158B](#)

*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: Deep Lens Survey; Science Data Archive at NOAO*

Becker, M.R., ... **Abbott, T., ... James, D. J., ... Smith, R. C., Walker, A. R., et al.** 2016, PhRvD, 2016, 94, 2002, Cosmic Shear Measurements with Dark Energy Survey Science Verification Data, [2016PhRvD..94b2002B](#)

*CTIO 4m +DECam*

Benetti, S., et al. 2016, MNRAS, 456, 3296, The spectacular evolution of Supernova 1996al over 15 yr: a low-energy explosion of a stripped massive star in a highly structured environment, [2016MNRAS.456.3296B](#)

*CTIO 4m*

Bettinelli, M., ... **Walker, A. R., ... Valdes, F.** 2016, MNRAS, 461, L67, The Canarias Einstein ring: a newly discovered optical Einstein ring, [2016MNRAS.461L..67B](#)

*CTIO 4m +DECam; Science Data Archive at NOAO*

Bevan, A., Barlow, M. J. 2016, MNRAS, 456, 1269, Modelling supernova line profile asymmetries to determine ejecta dust masses: SN 1987A from days 714 to 3604, [2016MNRAS.456.1269B](#)

*CTIO 4m; SMARTS 1.5m; Science Data Archive at NOAO*

Bielby, R. M., et al. 2016, MNRAS, 456, 4061, The VLT LBG redshift survey - V. Characterizing the  $z = 3.1$

Lyman  $\alpha$  emitter population, [2016MNRAS.456.4061B](#)

*KPNO 4m +Mosaic; CTIO 4m +Mosaic*

- Britt, C. T., et al. 2016, MNRAS, 460, 2822, Discovery of a Long-Lived, High-Amplitude Dusty Infrared Transient, [2016MNRAS.460.2822B](#)  
*CTIO 4m +Mosaic*
- Bruderer, C., et al. 2016, *ApJ*, 817, 25, Calibrated Ultra Fast Image Simulations for the Dark Energy Survey, [2016ApJ...817...25B](#)  
*CTIO 4m +DECam*
- Burton, M. G., et al. 2016, *PASA*, 33, e047, Scientific Goals of the Kunlun Infrared Sky Survey (KISS), [2016PASA...33...47B](#)  
*CTIO 4m +DECam*
- Caldú-Primo, A., Schruha, A. 2016, *AJ*, 151, 34, Molecular Gas Velocity Dispersions in the Andromeda Galaxy, [2016AJ...151...34C](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Capozzi, D., et al. 2016, MNRAS, 456, 830, 790, Revisiting the role of the thermally pulsating asymptotic-giant-branch phase in high-redshift galaxies, [2016MNRAS.456..790C](#)  
*KPNO 4m +NEWFIRM; CTIO 4m +Mosaic; Survey Programs: NMBS; Science Data Archive at NOAO*
- Caso, J. P., Bassino, L. P., Gomez, M. 2015, MNRAS, 453, 4421, Footprints in the Sand: What Can Globular Clusters Tell Us About NGC 4753 Past? [2015MNRAS.453.4421C](#)  
*CTIO 4m +Mosaic*
- Chang, C., ... **Abbott, T. M. C.**, ... **James, D. J.**, ... **Smith, R. C.**, **Walker, A. R.** 2016, MNRAS, 459, 3203, Galaxy Bias from the Dark Energy Survey Science Verification Data: Combining Galaxy Density Maps and Weak Lensing Maps, [2016MNRAS.459.3203C](#)  
*CTIO 4m +DECam*
- Chen, Y. T., et al, 2016, 827, 24, Discovery of a New Retrograde Trans-Neptunian Object: Hint of a Common Orbital Plane for Low Semimajor Axis, High-inclination TNOs and Centaurs, [2016ApJ...827L..24C](#)  
*CTIO 4m +DECam*
- Clyne, N., et al. 2015, *A&A*, 582, 60, A Morpho-Kinematic and Spectroscopic Study of the Bipolar Nebulae: M 2-9, Mz 3, and Hen 2-104, [2015A&A...582A..60C](#)  
*CTIO 4m*
- Cohen, R. E., et al. 2015, *AJ*, 150, 176, Wide Field Near-infrared Photometry of 12 Galactic Globular Clusters: Observations Versus Models on the Red Giant Branch, [2015AJ...150..176C](#)  
*CTIO 4m*
- Coppola, G., ... **Walker, A. R.** 2015, *ApJ*, 814, 71, The Carina Project IX: On Hydrogen and Helium Burning Variables, [2015ApJ...814...71C](#)  
*CTIO 4m +Mosaic*
- Cowperthwaite, P.S., ... **Walker, A. R.**, ... **Abbott, T. M. C.**, ... **James, D. J.**, ... **Smith, R. C.**, et al. 2016, *ApJ*, 826, 29, A DECAM Search for an Optical Counterpart to the LIGO Gravitational-wave Event GW151226, [2016ApJ...826L..29C](#)  
*CTIO 4m +DECam*
- Cowperthwaite, P. S., Berger, E. 2015, *ApJ*, 814, 25, A Comprehensive Study of Detectability and Contamination in Deep Rapid Optical Searches for Gravitational Wave Counterparts, [2015ApJ...814...25C](#)  
*CTIO 4m +DECam*
- Crocce, M., ... **Abbott, T.**, ..., **James, D. J.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, MNRAS, 455, 4301, Galaxy Clustering, Photometric Redshifts and Diagnosis of Systematics in the DES Science Verification Data, [2016MNRAS.455.4301C](#)  
*CTIO 4m +DECam*
- Dark Energy Survey Collaboration, **Abbott, T.**, ... **James, D.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, MNRAS, 460, 1270, The Dark Energy Survey: More than Dark Energy - An Overview, [2016MNRAS.460.1270D](#)  
*CTIO 4m +DECam; Survey Programs: Dark Energy Survey; Science Data Archive at NOAO*

- del Pino, A., Aparicio, A., Hidalgo, S. L. 2015, MNRAS, 454, 3996, Merger Traces in the Spatial Distribution of Stellar Populations in the Fornax dSph Galaxy, [2015MNRAS.454.3996D](#)  
*CTIO 4m +Mosaic*
- Desai, S., et al. 2016, A&C, 16, 67, Detection and Removal of Artifacts in Astronomical Images, [2016A&C....16...67D](#)  
*CTIO 4m +DECam, Mosaic*
- Diaz Tello, J., et al. 2016, yCat, 358, VizieR Online Data Catalog: Balmer break galaxies at  $z < 1.5$  star formation (Diaz Tello +, 2016), [2016yCat..35870136D](#)  
*CTIO 4m*
- Drlica-Wagner, A., et al. 2015, ApJ, 813, 109, Eight Ultra-faint Galaxy Candidates Discovered in Year Two of the Dark Energy Survey, [2015ApJ...813..109D](#)  
*CTIO 4m +DECam*
- Edwards, L. O. et al. 2016, MNRAS, 461, 230, Stellar populations of BCGs, close companions and intracluster light in Abell 85, Abell 2457 and IIZw108, [2016MNRAS.461..230E](#)  
*KPNO 4m +Mosaic; WIYN 3.5m +SparsePak; CTIO 4m +Mosaic, +Hydra; Survey Programs; Fundamental Plane Survey; Science Data Archive at NOAO*
- Egeland, R., Metcalfe, T. S., Hall, J. C., Henry, G. W. 2015, ApJ, 812, 12, Sun-like Magnetic Cycles in the Rapidly-rotating Young Solar Analog HD 30495, [2015ApJ...812...12E](#)  
*CTIO 4m*
- Esposito, P., et al. 2016, MNRAS, 457, L5, EXTraS discovery of an 1.2-s X ray pulsar in M 31, [2016MNRAS.457L...5E](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Evans, K. A., Massey, P. 2015, AJ, 150, 149, A Runaway Red Supergiant in M31, [2015AJ....150..149E](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Flaugher, B., ... **Abbott, T. M. C.**, et al. 2015, AJ, 150, 150, The Dark Energy Camera, [2015AJ....150..150F](#)  
*CTIO 4m +DECam*
- 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  $z \sim 1$ , [2015ApJ...812..138F](#)  
*CTIO 4m +ISPI*
- Fotopoulou, S., et al. 2016, A&A, 592, 5, The XXL Survey. VI. The 1000 Brightest X-ray Point Sources, [2016A&A...592A...5F](#)  
*CTIO 4m +DECam*
- Galbany, L., et al. 2016, AJ, 151, 33, UBVRIz Light Curves of 51 Type II Supernovae, [2016AJ....151...33G](#)  
*CTIO 4m +Mosaic*
- Gerdes, D.W., ... **Abbott, T.**, ..., **James, D. J.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, AJ, 151, 33, Observation of Two New L4 Neptune Trojans in the Dark Energy Survey Supernova Fields, [2016AJ....151...39G](#)  
*CTIO 4m +DECam*
- Giannantonio, T., ... **Abbott, T.**, ..., **James, D. J.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, 456, 3213, CMB Lensing Tomography with the DES Science Verification Galaxies, [2016MNRAS.456.3213G](#)  
*CTIO 4m +DECam*
- Gordon, M. S., Humphreys, R. M., Jones, T. J. 2016, ApJ, 825, 50, Luminous and Variable Stars in M31 and M33. III. The Yellow and Red Supergiants and Post-red Supergiant Evolution, [2016ApJ...825...50G](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Grillmair, C. J., Hetherington, L., Carlberg, R. G., Willman, B. 2015, ApJ, 812, L26, An Orphan No Longer? Detection of the Southern Orphan Stream and a Candidate Progenitor, [2015ApJ...812L..26G](#)  
*CTIO 4m +DECam*
- Gruen, D., ... **Abbott, T. M. C.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, MNRAS, 455, 3367, Weak Lensing by Galaxy Troughs in DES Science Verification data, [2016MNRAS.455.3367G](#)  
*CTIO 4m +DECam*

- Guaita, L., et al. 2016, A&A, 587, 133, Limits on the LyC Signal From  $z \sim 3$  Sources with Secure Redshift and HST Coverage in the E-CDFS Field, [2016A&A...587A.133G](#)  
*CTIO 4m +Mosaic*
- Hagen, A., et al. 2016, ApJ, 817, 79, "HST Emission Line Galaxies at  $z \sim 2$ : Comparing Physical Properties of Lyman Alpha and Optical Emission Line Selected Galaxies, [2016ApJ...817...79H](#)  
*CTIO 4m +Mosaic*
- Hargis, J. R., et al. 2016, ApJ, 818, 39, Evidence That Hydra I is a Tidally Disrupting Milky Way Dwarf Galaxy, [2016ApJ...818...39H](#)  
*CTIO 4m +DECAM; Science Data Archive at NOAO*
- Henze, M., et al. 2015, A&A, 582, A8, A remarkable recurrent nova in M 31: The 2010 eruption recovered and evidence of a six-month period, [2015A&A...582L...8H](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Huxor, A. P., Grebel, E. K. 2015, MNRAS, 453, 2653, Tracing the tidal streams of the Sagittarius dSph, and halo Milky Way features, with carbon-rich long-period variables, [2015MNRAS.453.2653H](#)  
*KPNO 4m; KPNO 2.1m; CTIO 4m*
- Jarvis, M., ... **Abbott, T.**, ... **James, D. J.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, MNRAS, 460, 2245, The DES Science Verification weak lensing shear catalogues, [2016MNRAS.460.2245J](#)  
*CTIO 4m +DECAM*
- Jee, M. J., et al. 2016, ApJ, 824, 77, Cosmic Shear Results from the Deep Lens Survey. II. Full Cosmological Parameter Constraints from Tomography, [2016ApJ...824...77J](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: Deep Lens Survey; Science Data Archive at NOAO*
- Ji, A. P., Frebel, A., Chiti, A., Simon, J. D. 2016, Natur, 531, 610, R-process enrichment from a single event in an ancient dwarf galaxy, [2016Natur.531..610J](#)  
*CTIO 4m +DECAM*
- Kainulainen, J., et al. 2016, A&A, 586, A27, Gravitational Fragmentation Caught in the Act: The Filamentary Musca Molecular Cloud, [2016A&A...586A..27K](#)  
*CTIO 4m +NEWFIRM*
- Kessler, R., et al. 2015, AJ, 150, 176, The Difference Imaging Pipeline for the Transient Search in the Dark Energy Survey, [2015AJ...150..172K](#)  
*CTIO 4m +DECAM*
- Kim, D., Jerjen, H., Mackey, D., Da Costa, G. S., Milone, A. P. 2016, ApJ, 820, 119, KIM 3: An Ultra-faint Star Cluster in the Constellation of Centaurus, [2016ApJ...820..119K](#)  
*CTIO 4m +DECAM*
- Kirk, D.,... **Abbott, T.**, ... **Smith, R. C.**, et al. 2016, MNRAS, 459, 21, Cross-Correlation of Gravitational Lensing from DES Science Verification Data with SPT and Planck Lensing, [2016MNRAS.459...21K](#)  
*CTIO 4m +DECAM*
- Lee, Y., Rey, S-C., Hilker, M., Sheen, Y-K., Yi, S. K. 2016, ApJ, 822, 92, Galaxy Luminosity Function of the Dynamically Young Abell 119 Cluster: Probing the Cluster Assembly, [2016ApJ...822...92L](#)  
*CTIO 4m +Mosaic*
- Li, T.S., ... **Vivas, A. K.**, ... **Walker, A. R.**, ... **Abbott, T. M. C.**, ... **James, D. J.**, ... **Smith, R. C.**, et al. 2016, ApJ, 817, 135, Discovery of a Stellar Overdensity in Eridanus-Phoenix in the Dark Energy Survey  
*CTIO 4m +DECAM; Survey Programs: Dark Energy Survey; Science Data Archive at NOAO*
- Li, T.S., ... **Walker, A. R.**, ... **Abbott, T. M. C.**, ... **Smith, R. C.**, et al. 2016, AJ, 151, 157, Assessment of Systematic Chromatic Errors that Impact Sub-1% Photometric Precision in Large-area Sky Surveys, [2016AJ...151..157L](#)  
*CTIO 4m +DECAM*

- Liu, J., Eracleous, M., Halpern, J. P. 2016, ApJ, 817, 42, A Radial Velocity Test for Supermassive Black Hole Binaries as an Explanation for Broad, Double-Peaked Emission Lines in Active Galactic Nuclei, [2016ApJ...817...42L](#)  
*KPNO 2.1m; SMARTS 1.5m; CTIO 4m*
- Luque, E., ... **Abbott, T.**, ... **James, D. J.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, MNRAS, 458, 603, Digging Deeper into the Southern Skies: A Compact Milky Way Companion Discovered in First-year Dark Energy Survey Data, [2016MNRAS.458..603L](#)  
*CTIO 4m +DECam*
- Mackey, A. D., et al. 2016, MNRAS, 459, 239, A 10 kpc stellar substructure at the edge of the Large Magellanic Cloud: perturbed outer disc or evidence for tidal stripping? [2016MNRAS.459..239M](#)  
*CTIO 4m; Science Data Archive at NOAO*
- Madau, P., Haardt, F. 2015, ApJ, 813, 8, Cosmic Reionization after Planck: Could Quasars Do It All? [2015ApJ...813L...8M](#)  
*KPNO 4m +Mosaic; KPNO 2.1m +SQIID, +FLAMINGOS; CTIO 4m +Mosaic; Survey Programs: NDWFS; Science Data Archive at NOAO*
- Magakian, T. Y., Movsessian, T. A., Bally, J. 2016, MNRAS, 460, 489, A New Star-Forming Region in Canis Major, [2016MNRAS.460..489M](#)  
*CTIO 4m +Mosaic*
- Mao, J., Kim, M. 2016, ApJ, 828, 96, On the Evolution of High-redshift Active Galactic Nuclei, [2016ApJ...828...96M](#)  
*KPNO 4m +Mosaic; KPNO 2.1m; CTIO 4m +Mosaic; Survey Programs: Deep Lens Survey, NDWFS; Science Data Archive at NOAO*
- Martinez-Vasquez, C. E., et al. 2015, MNRAS, 454, 1509, Variable Stars in Local Group Galaxies - I. Tracing the Early Chemical Enrichment and Radial Gradients in the Sculptor dSph with RR Lyrae Stars, [2015MNRAS.454.1509M](#)  
*CTIO 4m +Mosaic*
- Massey, P., Evans, K. A. 2016, ApJ, 826, 224, The Red Supergiant Content of M31\*, [2016ApJ...826..224M](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Massey, P., Neugent, K. F., Smart, B. M. 2016, AJ, 152, 62, A Spectroscopic Survey of Massive Stars in M31 and M33, [2016AJ...152...62M](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- McDonald, M., ... **Zenteno, A.** 2016, ApJ, 817, 86, Star-Forming Brightest Cluster Galaxies At  $0.25 < z < 1.25$ : A Transitioning Fuel Supply, [2016ApJ...817...86M](#)  
*CTIO 4m +Mosaic*
- Melchior, P., ... **Abbott, T.**, ... **James, D. J.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, A&C, 16, 99, Crowdsourcing Quality Control for Dark Energy Survey Image, [2016A&C...16...99M](#)  
*CTIO 4m +DECam*
- Micheli, M., Tholen, D. J., Jenniskens, P. 2016, Icar, 267, 64, Evidence for 2009 WN25 Being the Parent Body of the November i-Draconids (NID), [2016Icar..267...64M](#)  
*CTIO 4m +Mosaic*
- Müller, O., Jegen, H., Binggeli, B., 2015, A&A, 583, 79, New Dwarf Galaxy Candidates in the Centaurus Group, [2015A&A...583A..79M](#)  
*CTIO 4m +DECam*
- Muñoz, R. P., et al. 2015, ApJ, 813, 15, Unveiling a Rich System of Faint Dwarf Galaxies in the Next Generation Fornax Survey, [2015ApJ...813L..15M](#)  
*CTIO 4m +DECam*
- Musella, I., ... **Walker, A. R.**, et al. 2016, MNRAS, 457, 3084, The Cepheids of NGC 1866: A Precise Benchmark for the Extragalactic Distance Scale and Stellar Evolution from Modern UBV<sub>I</sub> Photometry, [2016MNRAS.457.3084M](#)  
*CTIO 4m +Mosaic*

- Narayan, G., ... Matheson, T., ... Smith, R. C., ... Zenteno, A., et al. 2016, ApJS, 224, 3, Light Curves of 213 Type Ia Supernovae from the ESSENCE Survey, [2016ApJS..224....3N](#)  
*CTIO 4m +Mosaic; SMARTS CF CCD; Essence Survey; Science Data Archive at NOAO*
- Nascimento, R. S., et al. 2016, MNRAS, 460, 2193, Dynamical analysis of the cluster pair: A3407 +A3408, [2016MNRAS.460.2193N](#)  
*CTIO 4m +Mosaic*
- Nilo Castellon, J. L., et al, 2016, AJ, 151, 151, Low X-Ray Luminosity Galaxy Clusters: Main Goals, Sample Selection, Photometric and Spectroscopic Observations, [2016AJ....151..151N](#)  
*CTIO 4m +Mosaic*
- Nord, B., ... Abbott, T., ... James, D. J., ... Smith, R. C., ... Walker, A. R., et al. 2016, ApJ, 827, 51, Observation and Confirmation of Six Strong-lensing Systems in the Dark Energy Survey Science Verification Data, [2016ApJ...827...51N](#)  
*CTIO 4m +DECam*
- Nugent, C. R., et al. 2016, AJ, 152, 63, NEOWISE Reactivation Mission Year Two: Asteroid Diameters and Albedos, [2016AJ....152...63N](#)  
*CTIO 4m +DECam*
- Overbeek, J. C., Friel, E. D., Jacobson, H. R. 2016, ApJ, 824, 75, New Neutron-Capture Measurements in 23 Open Clusters. I. The r-Process, [2016ApJ...824...75O](#)  
*CTIO 4m*
- Papovich, C., et al. 2016, ApJS, 224, 28, The Spitzer-HETDEX Exploratory Large-area Survey, [2016ApJS..224..28P](#)  
*CTIO 4m +DECam*
- Parker, Q. A., et al. 2015, MNRAS, 452, 3759, Kathryn's Wheel: A Spectacular Galaxy Collision Discovered in the Galactic Neighbourhood, [2015MNRAS.452.3759P](#)  
*CTIO 4m +Mosaic*
- Piatti, A. E. 2016, MNRAS, 459, L61, Discovery of a loose star cluster in the Large Magellanic Cloud, [2016MNRAS.459L..61P](#)  
*CTIO 4m +Mosaic; Science Data Archive at NOAO*
- Piatti, A. E., et al. 2016, MNRAS, 460, 383, The VMC Survey - XXI. New star cluster candidates discovered from infrared photometry in the Small Magellanic Cloud, [2016MNRAS.460..383P](#)  
*CTIO 4m +Mosaic*
- Pieres, A., ... Abbott, T. M. C., ... James, D. J., ... Smith, R. C., ... Walker, A. R. 2016, MNRAS, 461, 519, Physical properties of star clusters in the outer LMC as observed by the DES, [2016MNRAS.461..519P](#)  
*CTIO 4m +DECam*
- Poci, A., ... Abbott, T., ... James, D., ... Smith, R. C., ... Walker, A. R., et al. 2016, PASA, 33, 49, DESAlert: Enabling Real-Time Transient Follow-Up with Dark Energy Survey Data, [2016PASA...33...49P](#)  
*CTIO 4m +DECam*
- Pons, E., Elvis, M., Civano, F., Watson, M. G. 2016, ApJ, 821, 130, Narrow-line X-Ray-selected Galaxies in the Chandra-COSMOS Field. I. Optical Spectroscopic Catalog, [2016ApJ...821..130P](#)  
*KPNO 4m +FLAMINGOS; CTIO 4m +ISPI*
- Rahmani, S., Lianou, S., Barmby, P. 2016, MNRAS, 456, 4128, Star formation laws in the Andromeda galaxy: gas, stars, metals and the surface density of star formation, [2016MNRAS.456.4128R](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Reed, S. L., et al. 2015. MNRAS, 454, 3952, DES J0454-4448: Discovery of the First Luminous  $z \geq 6$  Quasar from the Dark Energy Survey, [2015MNRAS.454.3952R](#)  
*CTIO 4m +DECam*
- Roderick, T. A., Jerjen, H., Da Costa, G. S., Mackey, A. D. 2016, MNRAS, 460, 30, Structural Analysis of the Sextans Dwarf Spheroidal Galaxy, [2016MNRAS.460...30R](#)  
*CTIO 4m +DECam*

- Rozo, E., ... **Abbott, T.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, MNRAS, 461, 1431, RedMaGiC: Selecting Luminous Red Galaxies from the DES Science Verification Data, [2016MNRAS.461.1431R](#)  
*CTIO 4m +DECam*
- Rykoff, E. S., ... **Abbott, T.M.C.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, ApJS, 224, 1, The RedMaPPer Galaxy Cluster Catalog From DES Science Verification Data, [2016ApJS..224....1R](#)  
*CTIO 4m +DECam*
- Sand, D. J., et al. 2015, ApJ, 812, 13, Antlia B: A Faint Dwarf Galaxy Member of the NGC 3109 Association, [2015ApJ...812L..13S](#)  
*CTIO 4m +DECam*
- Saro, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R. C.**, ... **Walker, A. R.**, ... **Zenteno, A.** 2015, MNRAS, 454, 2305, Constraints on the Richness–mass Relation and the Optical-SZE Positional Offset Distribution for SZE-Selected Clusters, [2015MNRAS.454.2305S](#)  
*CTIO 4m +DECam*
- Shara, M. M., et al. 2016, MNRAS, 455, 3453, The first transition Wolf-Rayet WN/C star in M31, [2016MNRAS.455.3453S](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Sharma, S., et al. 2016, AJ, 151, 126, Structural Studies of Eight Bright Rimmed Clouds in the Southern Hemisphere, [2016AJ...151..126S](#)  
*CTIO 4m +ISPI*
- Sheppard, S. S., Trujillo, C., Tholen, D. J. 2016, ApJL, 825, 13, Beyond the Kuiper Belt Edge: New High Perihelion Trans-Neptunian Objects with Moderate Semimajor Axes and Eccentricities, [2016ApJ...825L..13S](#)  
*CTIO 4m +DECam*
- Shiple, H. V., Papovich, C., Rieke, G. H., Brown, M. J. I., Moustakas, J. 2016, ApJ, 818, 60, A New Star Formation Rate Calibration from Polycyclic Aromatic Hydrocarbon Emission Features and Application to High-redshift Galaxies, [2016ApJ...818...60S](#)  
*KPNO 4m +Mosaic; KPNO 2.1m +SQIID, +FLAMINGOS; CTIO 4m +Mosaic; Survey Programs: NDWFS; Science Data Archive at NOAO*
- Smith, M., ... **Smith, R. C.**, ... **Zenteno, A.**, ... **Abbott, T. M. C.**, ... **James, D. J.**, ... **Walker, A. R.**, et al. 2016, ApJ, 818, 8, DES14X3taz: A Type I Superluminous Supernova Showing A Luminous, Rapidly Cooling Initial Pre-Peak Bump, [2016ApJ...818L...8S](#)  
*CTIO 4m +DECam*
- Soares-Santos, M., ... **Walker, A. R.**, ... **Abbott, T. M. C.**, ... **James, D. J.**, ... **Matheson, T.**, ... **Smith, R. C.**, et al. 2016, ApJ, 823, 33, A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914, [2016ApJ...823L..33S](#)  
*CTIO 4m +DECam; Survey Programs: Dark Energy Survey; Science Data Archive at NOAO*
- Soergel, B., et al. 2016, MNRAS, 461, 3172, Detection of the kinematic Sunyaev-Zel'dovich effect with DES Year 1 and SPT, [2016MNRAS.461.3172S](#)  
*CTIO 4m +DECam*
- Spacek, A., Scannapieco, E., Cohen, S., Joshi, B., Mauskopf, P. 2016, ApJ, 819, 128, Constraining AGN Feedback in Massive Ellipticals with South Pole Telescope Measurements of the Thermal Sunyaev-Zel'dovich Effect, [2016ApJ...819..128S](#)  
*CTIO 4m*
- Suchyta, E., ... **Abbott, T.**, ... **James, D. J.**, ... **Smith, R. C.**, ... **Walker, A. R.**, et al. 2016, MNRAS, 457, 786, No Galaxy Left Behind: Accurate Measurements with the Faintest Objects in the Dark Energy Survey, [2016MNRAS.457..786S](#)  
*CTIO 4m +DECam*

- Thacker, C., et al. 2015, ApJ, 811, 125, Cross-correlation of Near- and Far-infrared Background Anisotropies as Traced by Spitzer and Herschel, [2015ApJ...811..125T](#)  
*KPNO 4m +Mosaic; KPNO 2.1m +SQIID, +FLAMINGOS; CTIO 4m +Mosaic; Survey Programs: NDWFS; Science Data Archive at NOAO*
- Turri, P., et al. 2015, ApJ, 811, 15, Toward Precision Photometry for the ELT Era: The Double Subgiant Branch of NGC 1851 Observed with the Gemini/GeMS MCAO System, [2015ApJ...811L..15T](#)  
*CTIO 4m +NEWFIRM*
- Vivas, A. K., Olsen, K., Blum, R., ... Walker, A. R., ... Kaleida, C. C., ... Saha, A.,** et al. 2016, AJ, 151, 118, Variable Stars in the Field of the Hydra II Ultra-faint Dwarf Galaxy, [2016AJ....151..118V](#)  
*CTIO 4m +DECAM*
- Wang, T., et al. 2016, ApJ, 816, 84, Infrared Color Selection of Massive Galaxies at  $z > 3$ , [2016ApJ...816...84W](#)  
*KPNO 4m; CTIO 4m*
- Warren, S. R., et al. 2015, ApJ, 814, 30, CARMA CO Observations of Three Extremely Metal-poor, Star-forming Galaxies, [2015ApJ...814...30W](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: LGGS; Science Data Archive at NOAO*
- Wittman, D., Bhaskar, R., Tobin, R. 2016, MNRAS, 457, 4011, Overconfidence in photometric redshift estimation, [2016MNRAS.457.4005W](#)  
*KPNO 4m +Mosaic; CTIO 4m +Mosaic; Survey Programs: Deep Lens Survey; Science Data Archive at NOAO*
- Yadav, R. K., et al. 2016, MNRAS, 461, 2502, A Multiwavelength Investigation of the H II Region S311: Young Stellar Population and Star Formation, [2016MNRAS.461.2502Y](#)  
*CTIO 4m +ISPI*
- Zhang, Y., ... **Abbott, T., ... James, D., ... Smith, R. C.,** et al. 2016, ApJ, 816, 98, Galaxies in X-Ray Selected Clusters and Groups in Dark Energy Survey Data. I. Stellar Mass Growth of Bright Central Galaxies since  $z \sim 1.2$ , [2016ApJ...816...98Z](#)  
*CTIO 4m +DECAM*

---

## SMARTS Consortium Telescopes

*SMARTS Consortium data may have resulted from time allocated by other than the NOAO TAC.*

- Arulanantham, N.A., et al. 2016, AJ, 151, 90, Seeing Through the Ring: Near-Infrared Photometry of V582 Mon (KH 15D), [2016AJ....151...90A](#)  
*SMARTS 1.3m +ANDICAM*
- Bannister, K.W., et al. 2016, Sci, 351, 354, Real-Time Detection of an Extreme Scattering Event: Constraints on Galactic Plasma Lenses, [2016Sci...351..354B](#)  
*SMARTS 1.3m*
- Beaulieu, J.-P., et al. 2016, ApJ, 824, 83, Revisiting the Microlensing Event OGLE 2012-BLG-0026: A Solar Mass Star with Two Cold Giant Planets, [2016ApJ...824...83B](#)  
*SMARTS 1.3m*
- Bevan, A., Barlow, M. J. 2016, MNRAS, 456, 1269, Modelling Supernova Line Profile Asymmetries to Determine Ejecta Dust Masses: SN 1987A from Days 714 to 3604, [2016MNRAS.456.1269B](#)  
*SMARTS 1.5m*
- Bhardwaj, A., et al. 2016, AJ, 151, 88, Large Magellanic Cloud Near-infrared Synoptic Survey. II. The Wesenheit Relations and Their Application to the Distance Scale, [2016AJ....151...88B](#)  
*SMARTS 1.5m*
- Bode, M. F., et al. 2016, ApJ, 818, 145, Pan-chromatic Observations of the Recurrent Nova LMC 2009a (LMC 1971b), [2016ApJ...818..145B](#)  
*SMARTS 1.3m +ANDICAM*



- Bond, H. E., Ciardullo, R., Siegel, M. H. 2016, AJ, 151, 40, A Luminous Yellow Post-AGB Star in the Galactic Globular Cluster M79, [2016AJ....151...40B](#)  
*SMARTS 1.5m; 1.3m; 0.9m*
- Bond, H. E., et al. 2016, MNRAS, 826, 139, The Nucleus of the Planetary Nebula EGB 6 as a Post-Mira Binary, [2016ApJ...826..139B](#)  
*SMARTS 1.5m +RC Spectrograph; 0.9m*
- Borisov, G., Christou, A., Unda-Sanzana, E. 2016, MPBu, 43, 216, Photometric Observations of Martian Trojan Asteroids, [2016MPBu...43..216B](#)  
*SMARTS 1.3m*
- Bozza, V., et al. 2016, ApJ, 820, 79, Spitzer Observations of OGLE-2015-BLG-1212 Reveal a New Path toward Breaking Strong Microlens Degeneracies, [2016ApJ...820...79B](#)  
*SMARTS 1.3m +ANDICAM*
- Calchi Novati, S., et al. 2015, ApJ, 814, 92, Spitzer IRAC Photometry for Time Series in Crowded Fields, [2015ApJ...814...92C](#)  
*SMARTS 1.3m +ANDICAM*
- Carraro, G., Seleznev, A. F., Baume, G., Turner, D. G. 2016, MNRAS, 455, 4031, The Complex Stellar Populations in the Background of Open Clusters in the Third Galactic Quadrant, [2016MNRAS.455.4031C](#)  
*SMARTS 1.0m*
- Chatelain, J. P., Henry, T. J., French, L. M., Winters, J. G., Trilling, D. E. 2016, Icar, 271, 158, Photometric Colors of the Brightest Members of the Jupiter L5 Trojan Cloud, [2016Icar..271..158C](#)  
*SMARTS 1.0m, 0.9m*
- Coppola, G., ... **Walker, A. R.** 2015, ApJ, 814, 71, The Carina Project IX: On Hydrogen and Helium Burning Variables, [2015ApJ...814...71C](#)  
*SMARTS 1.5m*
- de Jaeger, T., et al. 2015, ApJ, 815, 121, A Hubble Diagram from Type II Supernovae Based Solely on Photometry: The Photometric Color Method, [2015ApJ...815..121D](#)  
*SMARTS 1.5m +RC Spectrograph*
- Dias, B., Kerber, L., Barbuy, B., Bica, E., Ortolani, S. 2016, A&A, 591, 130, SMC West Halo: A Slice of the Galaxy That Is Being Tidally Stripped? Star Clusters Trace Age and Metallicity Gradients, [2016A&A...591A..11D](#)  
*SMARTS 1.3m +ANDICAM*
- Durret, F., et al. 2015, A&A, 583, 124, Ophiuchus: An Optical View of A Very Massive Cluster of Galaxies Hidden Behind the Milky Way, [2015A&A...583A.124D](#)  
*SMARTS 1.3m*
- Egeland, R., Metcalfe, T. S., Hall, J. C., Henry, G. W. 2015, ApJ, 812, 12, Sun-like Magnetic Cycles in the Rapidly-rotating Young Solar Analog HD 30495, [2015ApJ...812...12E](#)  
*SMARTS 1.5m +RC Spectrograph*
- Fischer, D. A., et al. 2016, PASP, 128, 6001, State of the Field: Extreme Precision Radial Velocities, [2016PASP..128f6001F](#)  
*SMARTS 1.5m +CHIRON*
- Fraser, M., et al. 2015, MNRAS, 453, 3886, SN 2009ip at Late Times - An Interacting Transient at +2 years, [2015MNRAS.453.3886F](#)  
*SMARTS 1.3m +ANDICAM*
- Galbany, L., et al. 2016, AJ, 151, 33, UBVRIz Light Curves of 51 Type II Supernovae [2016AJ....151...33G](#)  
*SMARTS 0.9m*
- Giguere, M. J., et al. 2016, ApJ, 824, 150, A Combined Spectroscopic and Photometric Stellar Activity Study of Epsilon Eridani, [2016ApJ...824..150G](#)  
*SMARTS 1.5m +CHIRON*

- Gullikson, K., et al. 2016, AJ, 151, 3, Direct Spectral Detection: An Efficient Method to Detect and Characterize Binary Systems, [2016AJ...151...3G](#)  
*SMARTS 1.5m +CHIRON*
- Gullikson, K., Kraus, A., Dodson-Robinson, S. 2016, AJ, 152, 40, The Close Companion Mass-ratio Distribution of Intermediate-mass Stars, [2016AJ...152...40G](#)  
*SMARTS 1.5m +CHIRON*
- Hillwig, T. C., Bond, H. E., Frew, D. J., Schaub, S. C., Bodman, E. H. L. 2016, AJ, 152, 34, Binary Central Stars of Planetary Nebulae Discovered through Photometric Variability. IV. The Central Stars of HaTr 4 and Hf 2-2, [2016AJ...152...34H](#)  
*SMARTS 1.3m; 0.9m*
- Hinkel, N. R., et al. 2015, AJ, 150, 169, A New Analysis of the Exoplanet Hosting System HD 6434, [2015AJ...150..169H](#)  
*SMARTS 1.5 +CHIRON; 1.0m; 0.9m*
- Inserra, C., et al. 2016, MNRAS, 459, 2721, On Type II<sub>n</sub>/Ia-CSM Supernovae As Exemplified by SN 2012ca\*, [2016MNRAS.459.2721I](#)  
*SMARTS 1.3m +ANDICAM*
- James, D. J.**, et al. 2016, MNRAS, 459, 1363, Fundamental Stellar Parameters for Selected T-Tauri Stars in the Chamaeleon and Rho Ophiuchus Star-Forming Regions, [2016MNRAS.459.1363J](#)  
*SMARTS 1.0m +Y4KCam*
- Jones, M. I., et al. 2016, A&A, 590, 38 Four New Planets Around Giant Stars and the Mass-Metallicity Correlation of Planet-Hosting Stars, [2016A&A...590A..38J](#)  
*SMARTS 1.5m +CHIRON*
- Kalamkar, M., et al. 2016, MNRAS, 460, 3284, Detection of the First Infra-red Quasi-Periodic Oscillation in a Black Hole X-ray Binary, [2016MNRAS.460.3284K](#)  
*SMARTS 1.3m*
- Kiehlmann, S., et al. 2016, A&A, 590, 10, Polarization Angle Swings in Blazars: The Case of 3C 279, [2016A&A...590A..10K](#)  
*SMARTS 1.3m*
- Koljonen, K. I. I., et al. 2016, MNRAS, 460, 942, A 'High-Hard' Outburst of the Black Hole X-ray Binary GS 1354-6, [2016MNRAS.460..942K](#)  
*SMARTS 1.3m*
- Krauß, F., et al. 2016, A&A, 591, 130, The TANAMI Multiwavelength Program: Dynamic Spectral Energy Distributions of Southern Blazars, [2016A&A...591A.130K](#)  
*SMARTS 1.3m*
- Lira, P., et al. 2015, MNRAS, 454, 368, Long-term Monitoring of the Archetype Seyfert Galaxy MCG-6-30-15: X-ray, Optical and Near-IR Variability of the Corona, Disc and Torus, [2015MNRAS.454..368L](#)  
*SMARTS 1.3 +ANDICAM*
- Maggi, P., et al. 2016, A&A, 585, 162, The Population of X-ray Supernova Remnants in the Large Magellanic Cloud, [2016A&A...585A.162M](#)  
*SMARTS 0.9m*
- Martinez-Vasquez, C. E., et al. 2015, MNRAS, 454, 1509, Variable Stars in Local Group Galaxies - I. Tracing the Early Chemical Enrichment and Radial Gradients in the Sculptor dSph with RR Lyrae Stars, [2015MNRAS.454.1509M](#)  
*SMARTS 0.9m +TI, Tek2K*
- Meng, H. Y. A., et al. 2016, ApJ, 823, 58, Photo-reverberation Mapping of a Protoplanetary Accretion Disk around a T Tauri Star, [2016ApJ...823...58M](#)  
*SMARTS 1.3m +ANDICAM*
- Mérand, A., et al. 2015, A&A, 584, 80, Cepheid Distances from the SpectroPhoto-Interferometry of Pulsating Stars (SPIPS). Application to the Prototypes  $\delta$  Cephei and  $\eta$  Aquilae, [2015A&A...584A..80M](#)  
*SMARTS 1.3m +ANDICAM*

- Munari, U., Walter, F. M., 2016, MNRAS, 455, 57, Flash-Ionization of Pre-Existing Circumstellar Material Around Nova Oph 2015, [2016MNRAS.455L..57M](#)  
*SMARTS 1.5m +CHIRON; 1.3m +ANDICAM*
- Musella, I., ... **Walker, A. R.**, et al. 2016, MNRAS, 457, 3084, The Cepheids of NGC 1866: A Precise Benchmark for the Extragalactic Distance Scale and Stellar Evolution from Modern UBVI Photometry, [2016MNRAS.457.3084M](#)  
*SMARTS 1.5m*
- Neilsen, J., Rahoui, F., Homan, J., Buxton, M. 2016, ApJ, 822, 20, A Super-Eddington, Compton-thick Wind in GRO J1655-40? [2016ApJ...822...20N](#)  
*SMARTS 1.3m*
- Patruno, A., et al. 2016, ApJ, 817, 100, The Re-flares and Outburst Evolution in the Accreting Millisecond Pulsar SAX J1808.4-3658: A Disk Truncated Near Co-Rotation? [2016ApJ...817..100P](#)  
*SMARTS 1.3m*
- Pecaut, M. J., Mamajek, E. E. 2016, MNRAS, 461, 794, The Star Formation History and Accretion-Disc Fraction Among the K-type Members of the Scorpius-Centaurus OB Association, [2016MNRAS.461..794P](#)  
*SMARTS 1.5m +RC Spectrograph*
- Poleski, R., et al. 2016, ApJ, 823, 63, The Spitzer Microlensing Program as a Probe for Globular Cluster Planets: Analysis of OGLE-2015-BLG-0448, [2016ApJ...823...63P](#)  
*SMARTS 1.3m +ANDICAM*
- Polishook, D., et al. 2016, Icar, 267, 243, A 2 km-size Asteroid Challenging the Rubble-Pile Spin Barrier - A Case for Cohesion, [2016Icar..267..243P](#)  
*SMARTS 1.3m*
- Ratajczak, M., et al. 2016, MNRAS, 461, 2234, Orbital and Physical Parameters of Eclipsing Binaries from the ASAS Catalogue - IX. Spotted Pairs with Red Giants, [2016MNRAS.461.2234R](#)  
*SMARTS 1.5m +CHIRON*
- Reynolds, T. M., Fraser, M., Gilmore, G. 2015, MNRAS, 453, 2885, Gone Without a Bang: An Archival HST Survey for Disappearing Massive Stars, [2015MNRAS.453.2885R](#)  
*SMARTS 0.9m*
- Richardson, N. D., et al. 2015, AJ, 150, 109, The Optical Wind Line Variability of  $\eta$  Carinae During the 2009.0 Event, [2015AJ...150..109R](#)  
*SMARTS 1.5m +FECH*
- Richardson, N. D., ... **Ridgway, S.T.**, et al. 2016, MNRAS, 455, 244, Spectroscopy, MOST Photometry, and Interferometry of MWC 314: Is it an LBV or an Interacting Binary? [2016MNRAS.455..244R](#)  
*SMARTS 1.5m +CHIRON*
- Richardson, N. D., et al. 2016, MNRAS, 461, 254, To  $\infty$  and Beyond! The He I Absorption Variability Across the 2014.6 Periastron Passage of  $\eta$  Carinae, [2016MNRAS.461.2540R](#)  
*SMARTS 1.5m +CHIRON*
- Sales Silva, J. V., et al. 2016, AJ, 151, 6, Properties of the Open Cluster Tombaugh 1 from High-resolution Spectroscopy and uvbyCaH $\beta$  Photometry, [2016AJ....151....6S](#)  
*SMARTS 1.0m*
- Sing, D. K., et al. 2016, Natur, 529, 59, A Continuum from Clear to Cloudy Hot-Jupiter Exoplanets Without Primordial Water Depletion, [2016Natur.529...59S](#)  
*SMARTS 1.3m*
- Street, R. A., et al. 2016, ApJ, 819, 93, Spitzer Parallax of OGLE-2015-BLG-0966: A Cold Neptune in the Galactic Disk, [2016ApJ...819...93S](#)  
*SMARTS 1.3m +ANDICAM; 1.0m*
- Sumi, T., et al. 2016, ApJ, 825, 112, The First Neptune Analog or Super-Earth with a Neptune-like Orbit: MOA-2013-BLG-605Lb, [2016ApJ...825..112S](#)  
*SMARTS 1.3m*

- Teodoro, M., et al. 2016, ApJ, 819, 131, He II  $\lambda$ 4686 Emission from the Massive Binary System in  $\lambda$  Car: Constraints to the Orbital Elements and the Nature of the Periodic Minima, [2016ApJ...819..131T](#)  
*SMARTS 1.5m +CHIRON*
- Thirouin, A., et al. 2016, AJ, 151, 148, Rotational Properties of the Haumea Family Members and Candidates: Short-term Variability, [2016AJ...151..148T](#)  
*SMARTS 1.3m*
- Tokovinin, A.** 2015, AJ, 150, 177, Spectroscopic Subsystems in Nearby Wide Binaries, [2015AJ...150..177T](#)  
*SMARTS 1.5 +CHIRON*
- Tokovinin, A.** 2016, AJ, 152, 10, Orbits of Subsystems in Four Hierarchical Multiple Stars, [2016AJ...152...10T](#)  
*SMARTS 1.5 +CHIRON*
- Tokovinin, A.** 2016, AJ, 152, 11, Orbits of Four Young Triple-lined Multiple Systems, [2016AJ...152...11T](#)  
*SMARTS 1.5 +CHIRON*
- Udalski, A., et al. 2015, ApJ, 812, 47, A Venus-mass Planet Orbiting a Brown Dwarf: A Missing Link between Planets and Moons, [2015ApJ...812...47U](#)  
*SMARTS 1.3*
- Yee, J.C., et al. 2016, ApJ, 821, 121, Two Stars Two Ways: Confirming a Microlensing Binary Lens Solution with a Spectroscopic Measurement of the Orbit, [2016ApJ...821..121Y](#)  
*SMARTS 1.3*
- Zhu, W., et al. 2016, ApJ, 825, 60, Mass Measurements of Isolated Objects from Space-based Microlensing, [2016ApJ...825..121Y](#)  
*SMARTS 1.3m*
- Zurita, C., Corral-Santana, J. M., Casares, J. 2015, MNRAS, 454, 3351, The Historical X-ray Transient KY TrA in Quiescence, [2015MNRAS.454.3351Z](#)  
*SMARTS 1.3m +ANDICAM*

---

## SOAR

[SOAR Publication List](#)