# Eusebio Snchez

## List of Publications by Year in Descending Order

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|---|---|---|---|
| 344 papers | 15,741 citations | 56 h-index | 113 g-index |
| 360 ext. papers | 19,769 ext. citations | 4.8 avg, IF | 4.85 L-index |

| # | Paper | IF | Citations |
|---|-------|----|-----------|
| 344 | From the Fire: A Deeper Look at the Phoenix Stream. *Astrophysical Journal*, **2022**, 925, 118 | 4.7 | 0 |
| 343 | Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. *Astrophysical Journal, Supplement Series*, **2022**, 258, 15 | 8 | 1 |
| 342 | Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to data calibration. *Physical Review D*, **2022**, 105, | 4.9 | 12 |
| 341 | Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. *Physical Review D*, **2022**, 105, | 4.9 | 40 |
| 340 | Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. *Monthly Notices of the Royal Astronomical Society*, **2022**, 511, 2075-2104 | 4.3 | 2 |
| 339 | Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to modeling uncertainty. *Physical Review D*, **2022**, 105, | 4.9 | 13 |
| 338 | A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. *Astrophysical Journal, Supplement Series*, **2022**, 258, 41 | 8 | 6 |
| 337 | Dark Energy Survey Year 3 results: A 2.7% measurement of baryon acoustic oscillation distance scale at redshift 0.835. *Physical Review D*, **2022**, 105, | 4.9 | 4 |
| 336 | The Dark Energy Survey Bright Arcs Survey: Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey 5000 Square Degree Footprint. *Astrophysical Journal, Supplement Series*, **2022**, 259, 27 | 8 | 0 |
| 335 | The Observed Evolution of the Stellar Mass–Halo Mass Relation for Brightest Central Galaxies. *Astrophysical Journal*, **2022**, 928, 28 | 4.7 | 2 |
| 334 | The Evolution of AGN Activity in Brightest Cluster Galaxies. *Astronomical Journal*, **2022**, 163, 146 | 4.9 | 0 |
| 333 | DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. *Astrophysical Journal*, **2022**, 927, 109 | 4.7 | 0 |
| 332 | Lensing without borders – I. A blind comparison of the amplitude of galaxy–galaxy lensing between independent imaging surveys. *Monthly Notices of the Royal Astronomical Society*, **2022**, 510, 6150-6189 | 4.3 | 2 |
| 331 | SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. *Astrophysical Journal*, **2022**, 929, 115 | 4.7 | 1 |
| 330 | Dark Energy Survey Year 3 results: Cosmology from combined galaxy clustering and lensing validation on cosmological simulations. *Physical Review D*, **2022**, 105, | 4.9 | 0 |
| 329 | The PAU survey: measurement of narrow-band galaxy properties with approximate bayesian computation. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 013 | 6.4 | 1 |
| 328 | C/2014 UN271 (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. *Astrophysical Journal Letters*, **2021**, 921, L37 | 7.9 | 6 |

327 Dark Energy Survey Year 3 results: galaxy−halo connection from galaxy−galaxy lensing. *Monthly Notices of the Royal Astronomical Society*, **2021**, 509, 3119-3147 — 4.3 — 1

326 Machine Learning for Searching the Dark Energy Survey for Trans-Neptunian Objects. *Publications of the Astronomical Society of the Pacific*, **2021**, 133, 014501 — 5 — 3

325 The PAU survey: Ly α intensity mapping forecast. *Monthly Notices of the Royal Astronomical Society*, **2021**, 501, 3883-3899 — 4.3 — 2

324 The effect of environment on Type Ia supernovae in the Dark Energy Survey three-year cosmological sample. *Monthly Notices of the Royal Astronomical Society*, **2021**, 501, 4861-4876 — 4.3 — 13

323 Pushing automated morphological classifications to their limits with the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 1927-1943 — 4.3 — 9

322 Consistency of cosmic shear analyses in harmonic and real space. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 3796-3817 — 4.3 — 5

321 Exploring the contamination of the DES-Y1 cluster sample with SPT-SZ selected clusters. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 1253-1272 — 4.3 — 5

320 Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. *Physical Review Letters*, **2021**, 126, 091101 — 7.4 — 49

319 No Evidence for Orbital Clustering in the Extreme Trans-Neptunian Objects. *Planetary Science Journal*, **2021**, 2, 59 — 2.9 — 9

318 The PAU Survey: narrow-band photometric redshifts using Gaussian processes. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 4118-4135 — 4.3 — 3

317 Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. *Astrophysical Journal*, **2021**, 911, 109 — 4.7 — 7

316 Dark energy survey year 3 results: weak lensing shape catalogue. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 4312-4336 — 4.3 — 17

315 Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. *Physical Review Letters*, **2021**, 126, 141301 — 7.4 — 22

314 The first Hubble diagram and cosmological constraints using superluminous supernovae. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 2535-2549 — 4.3 — 8

313 Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 4626-4645 — 4.3 — 9

312 Understanding the extreme luminosity of DES14X2fna. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 3950-3967 — 4.3 — 1

311 Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. *Astrophysical Journal, Supplement Series*, **2021**, 254, 24 — 8 — 24

310 The Dark Energy Survey supernova programme: modelling selection efficiency and observed core-collapse supernova contamination. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 2819-2839 — 4.3 — 3

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| 309 | Dark Energy Survey Year 3 results: redshift calibration of the weak lensing source galaxies. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 4249-4277 | 4.3 | 18 |
| 308 | Constraints on dark matter to dark radiation conversion in the late universe with DES-Y1 and external data. *Physical Review D*, **2021**, 103, | 4.9 | 6 |
| 307 | Galaxy clustering in harmonic space from the dark energy survey year 1 data: compatibility with real-space results. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 5714-5724 | 4.3 | 1 |
| 306 | Assessing tension metrics with dark energy survey and Planck data. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 6179-6194 | 4.3 | 10 |
| 305 | Galaxy morphological classification catalogue of the Dark Energy Survey Year 3 data with convolutional neural networks. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 4425-4444 | 4.3 | 4 |
| 304 | The Dark Energy Survey Data Release 2. *Astrophysical Journal, Supplement Series*, **2021**, 255, 20 | 8 | 22 |
| 303 | The PAU survey: estimating galaxy photometry with deep learning. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 4048-4069 | 4.3 | 1 |
| 302 | A Deeper Look at DES Dwarf Galaxy Candidates: Grus i and Indus ii. *Astrophysical Journal*, **2021**, 916, 81 | 4.7 | 3 |
| 301 | The PAU Survey: an improved photo-z sample in the COSMOS field. *Monthly Notices of the Royal Astronomical Society*, **2021**, 501, 6103-6122 | 4.3 | 12 |
| 300 | A machine learning approach to galaxy properties: joint redshift–stellar mass probability distributions with Random Forest. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 2770-2786 | 4.3 | 3 |
| 299 | Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. *Astrophysical Journal, Supplement Series*, **2021**, 252, 18 | 8 | 27 |
| 298 | The PAU Survey: Intrinsic alignments and clustering of narrow-band photometric galaxies. *Astronomy and Astrophysics*, **2021**, 646, A147 | 5.1 | 3 |
| 297 | Dark energy survey internal consistency tests of the joint cosmological probes analysis with posterior predictive distributions. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 2688-2705 | 4.3 | 9 |
| 296 | Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. *Physical Review D*, **2021**, 103, | 4.9 | 14 |
| 295 | Dark energy survey year 1 results: Constraining baryonic physics in the Universe. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 6010-6031 | 4.3 | 11 |
| 294 | The WaZP galaxy cluster sample of the dark energy survey year 1. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 4435-4456 | 4.3 | 4 |
| 293 | Dark Energy Survey Year 3 results: Optimizing the lens sample in a combined galaxy clustering and galaxy-galaxy lensing analysis. *Physical Review D*, **2021**, 103, | 4.9 | 14 |
| 292 | The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev–Zel'dovich Galaxy Clusters. *Astrophysical Journal, Supplement Series*, **2021**, 253, 3 | 8 | 44 |

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| 291 | OzDES Reverberation Mapping Programme: the first Mg ii lags from 5 yr of monitoring. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 3771-3788 | 4.3 | 6 |
| 290 | The mass and galaxy distribution around SZ-selected clusters. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 5758-5779 | 4.3 | 2 |
| 289 | DES Y1 results: Splitting growth and geometry to test ΛDM. *Physical Review D*, **2021**, 103, | 4.9 | 7 |
| 288 | Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock. *Astrophysical Journal*, **2021**, 923, 37 | 4.7 | 3 |
| 287 | The DES view of the Eridanus supervoid and the CMB cold spot. *Monthly Notices of the Royal Astronomical Society*, **2021**, 510, 216-229 | 4.3 | 2 |
| 286 | Perturbation theory for modeling galaxy bias: Validation with simulations of the Dark Energy Survey. *Physical Review D*, **2020**, 102, | 4.9 | 8 |
| 285 | Dark Energy Survey identification of a low-mass active galactic nucleus at redshift 0.823 from optical variability. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 3636-3647 | 4.3 | 4 |
| 284 | Noise from undetected sources in Dark Energy Survey images. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 2529-2539 | 4.3 | 9 |
| 283 | Validation of selection function, sample contamination and mass calibration in galaxy cluster samples. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 771-798 | 4.3 | 7 |
| 282 | The host galaxies of 106 rapidly evolving transients discovered by the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 2575-2593 | 4.3 | 7 |
| 281 | STRIDES: Spectroscopic and photometric characterization of the environment and effects of mass along the line of sight to the gravitational lenses DES J0408⎼5354 and WGD 2038⎼4008. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 3241-3274 | 4.3 | 3 |
| 280 | Stellar mass as a galaxy cluster mass proxy: application to the Dark Energy Survey redMaPPer clusters. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 4591-4606 | 4.3 | 18 |
| 279 | STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J0408⎼5354. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 6072-6102 | 4.3 | 83 |
| 278 | The Curious Case of PHL 293B: A Long-lived Transient in a Metal-poor Blue Compact Dwarf Galaxy. *Astrophysical Journal Letters*, **2020**, 894, L5 | 7.9 | 8 |
| 277 | Constraining radio mode feedback in galaxy clusters with the cluster radio AGNs properties to z⎼ 1. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 1705-1723 | 4.3 | 5 |
| 276 | Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V. *Astrophysical Journal*, **2020**, 892, 137 | 4.7 | 23 |
| 275 | The mystery of photometric twins DES17X1boj and DES16E2bjy. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 5576-5589 | 4.3 | 2 |
| 274 | A joint SZ⎼X-ray⎼optical analysis of the dynamical state of 288 massive galaxy clusters. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 705-725 | 4.3 | 10 |

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| 273 | Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 4860-4892 | 4.3 | 6 |
| 272 | Detection of Cross-Correlation between Gravitational Lensing and Rays. *Physical Review Letters*, **2020**, 124, 101102 | 7.4 | 10 |
| 271 | Trans-Neptunian Objects Found in the First Four Years of the Dark Energy Survey. *Astrophysical Journal, Supplement Series*, **2020**, 247, 32 | 8 | 16 |
| 270 | Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. *Physical Review D*, **2020**, 102, | 4.9 | 77 |
| 269 | Weak lensing of Type Ia Supernovae from the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 4051-4059 | 4.3 | 2 |
| 268 | Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. *Astrophysical Journal, Supplement Series*, **2020**, 246, 16 | 8 | 17 |
| 267 | Milky Way Satellite Census. I. The Observational Selection Function for Milky Way Satellites in DES Y3 and Pan-STARRS DR1. *Astrophysical Journal*, **2020**, 893, 47 | 4.7 | 52 |
| 266 | Monte Carlo control loops for cosmic shear cosmology with DES Year 1 data. *Physical Review D*, **2020**, 101, | 4.9 | 7 |
| 265 | The Diffuse Light Envelope of Luminous Red Galaxies. *Research Notes of the AAS*, **2020**, 4, 174 | 0.8 | |
| 264 | Dynamical Classification of Trans-Neptunian Objects Detected by the Dark Energy Survey. *Astronomical Journal*, **2020**, 159, 133 | 4.9 | 13 |
| 263 | First Cosmology Results using Supernovae Ia from the Dark Energy Survey: Survey Overview, Performance, and Supernova Spectroscopy. *Astronomical Journal*, **2020**, 160, 267 | 4.9 | 10 |
| 262 | Milky Way Satellite Census. II. Galaxy Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. *Astrophysical Journal*, **2020**, 893, 48 | 4.7 | 43 |
| 261 | Chemical Analysis of the Ultrafaint Dwarf Galaxy Grus II. Signature of High-mass Stellar Nucleosynthesis. *Astrophysical Journal*, **2020**, 897, 183 | 4.7 | 8 |
| 260 | Dust Reverberation Mapping in Distant Quasars from Optical and Mid-infrared Imaging Surveys. *Astrophysical Journal*, **2020**, 900, 58 | 4.7 | 8 |
| 259 | Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. *Astrophysical Journal*, **2020**, 901, 83 | 4.7 | 16 |
| 258 | A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. *Astrophysical Journal*, **2020**, 903, 75 | 4.7 | 3 |
| 257 | The SPTpol Extended Cluster Survey. *Astrophysical Journal, Supplement Series*, **2020**, 247, 25 | 8 | 56 |
| 256 | Supernova Siblings: Assessing the Consistency of Properties of Type Ia Supernovae that Share the Same Parent Galaxies. *Astrophysical Journal Letters*, **2020**, 896, L13 | 7.9 | 5 |

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| 255 | A Statistical Standard Siren Measurement of the Hubble Constant from the LIGO/Virgo Gravitational Wave Compact Object Merger GW190814 and Dark Energy Survey Galaxies. *Astrophysical Journal Letters*, **2020**, 900, L33 | 7.9 | 24 |
| 254 | Increasing the census of ultracool dwarfs in wide binary and multiple systems using Dark Energy Survey DR1 and Gaia DR2 data. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 5302-5317 | 4.3 | 1 |
| 253 | Dark Energy Survey Year 1 results: the lensing imprint of cosmic voids on the cosmic microwave background. *Monthly Notices of the Royal Astronomical Society*, **2020**, 500, 464-480 | 4.3 | 7 |
| 252 | Dark Energy Survey year 3 results: point spread function modelling. *Monthly Notices of the Royal Astronomical Society*, **2020**, 501, 1282-1299 | 4.3 | 14 |
| 251 | Is diffuse intracluster light a good tracer of the galaxy cluster matter distribution?. *Monthly Notices of the Royal Astronomical Society*, **2020**, 501, 1300-1315 | 4.3 | 10 |
| 250 | Modelling the Milky Way ⅰ. Method and first results fitting the thick disc and halo with DES-Y3 data. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 1547-1562 | 4.3 | 7 |
| 249 | Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 4040-4060 | 4.3 | 16 |
| 248 | Discovery of a Candidate Binary Supermassive Black Hole in a Periodic Quasar from Circumbinary Accretion Variability. *Monthly Notices of the Royal Astronomical Society*, **2020**, | 4.3 | 12 |
| 247 | First cosmology results using type Ia supernovae from the Dark Energy Survey: the effect of host galaxy properties on supernova luminosity. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 4426-4447 | 4.3 | 34 |
| 246 | Dark Energy Survey Year 1 Results: Wide-field mass maps via forward fitting in harmonic space. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 5662-5679 | 4.3 | 8 |
| 245 | The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2017/2018 follow-up campaign: discovery of 10 lensed quasars and 10 quasar pairs. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 3491-3511 | 4.3 | 12 |
| 244 | Blinding multiprobe cosmological experiments. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 4454-4470 | 4.3 | 15 |
| 243 | The impact of spectroscopic incompleteness in direct calibration of redshift distributions for weak lensing surveys. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 4769-4786 | 4.3 | 11 |
| 242 | Dark Energy Survey Year 3 results: cosmology with moments of weak lensing mass maps ⅰ validation on simulations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 4060-4087 | 4.3 | 15 |
| 241 | The PAU Survey: Photometric redshifts using transfer learning from simulations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 4565-4579 | 4.3 | 10 |
| 240 | Spectral variability of a sample of extreme variability quasars and implications for the Mg ii broad-line region. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 5773-5787 | 4.3 | 11 |
| 239 | OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 19-35 | 4.3 | 21 |
| 238 | Optical follow-up of gravitational wave triggers with DECam during the first two LIGO/VIRGO observing runs. *Astronomy and Computing*, **2020**, 33, 100425 | 2.4 | 7 |

| 237 | masses: weak-lensing calibration of the Dark Energy Survey Year 1 redMaPPer clusters using stellar masses. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 5450-5467 | 4.3 | 4 |
| 236 | Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 1308-1322 | 4.3 | 4 |
| 235 | The PAU Survey: background light estimation with deep learning techniques. *Monthly Notices of the Royal Astronomical Society*, **2020**, 491, 5392-5405 | 4.3 | 3 |
| 234 | An Extended Catalog of GalaxyGalaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. *Astrophysical Journal, Supplement Series*, **2019**, 243, 17 | 8 | 34 |
| 233 | Phenotypic redshifts with self-organizing maps: A novel method to characterize redshift distributions of source galaxies for weak lensing. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 820-841 | 4.3 | 32 |
| 232 | Transfer learning for galaxy morphology from one survey to another. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 93-100 | 4.3 | 36 |
| 231 | Dark Energy Survey Year 1 results: measurement of the galaxy angular power spectrum. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 3870-3883 | 4.3 | 12 |
| 230 | C iv black hole mass measurements with the Australian Dark Energy Survey (OzDES). *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 3650-3663 | 4.3 | 21 |
| 229 | Cosmological lensing ratios with DES Y1, SPT, and Planck. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 1363-1379 | 4.3 | 11 |
| 228 | The Physics of the Accelerating Universe Camera. *Astronomical Journal*, **2019**, 157, 246 | 4.9 | 13 |
| 227 | First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. *Astrophysical Journal*, **2019**, 874, 106 | 4.7 | 34 |
| 226 | A new RASS galaxy cluster catalogue with low contamination extending to z ~ 1 in the DES overlap region. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 739-769 | 4.3 | 26 |
| 225 | Superluminous supernovae from the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 2215-2241 | 4.3 | 37 |
| 224 | Three new VHSDES quasars at 6.7 6.5. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 1874-1885 | 4.3 | 43 |
| 223 | Dark Energy Surveyed Year 1 results: calibration of cluster mis-centring in the redMaPPer catalogues. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 2578-2593 | 4.3 | 28 |
| 222 | Identification of RR Lyrae Stars in Multiband, Sparsely Sampled Data from the Dark Energy Survey Using Template Fitting and Random Forest Classification. *Astronomical Journal*, **2019**, 158, 16 | 4.9 | 12 |
| 221 | Steve: A Hierarchical Bayesian Model for Supernova Cosmology. *Astrophysical Journal*, **2019**, 876, 15 | 4.7 | 9 |
| 220 | Measurement of the splashback feature around SZ-selected Galaxy clusters with DES, SPT, and ACT. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 2900-2918 | 4.3 | 31 |

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| 219 | Dark Energy Survey year 1 results: Constraints on extended cosmological models from galaxy clustering and weak lensing. *Physical Review D*, **2019**, 99, | 4.9 | 89 |
| 218 | The PAU Survey: Operation and orchestration of multi-band survey data. *Astronomy and Computing*, **2019**, 27, 171-188 | 2.4 | 8 |
| 217 | Rediscovery of the Sixth Star Cluster in the Fornax Dwarf Spheroidal Galaxy. *Astrophysical Journal Letters*, **2019**, 875, L13 | 7.9 | 16 |
| 216 | Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. *Astrophysical Journal*, **2019**, 872, 170 | 4.7 | 21 |
| 215 | Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift ~ 0.25. *Astrophysical Journal*, **2019**, 874, 165 | 4.7 | 45 |
| 214 | Astrometry and Occultation Predictions to Trans-Neptunian and Centaur Objects Observed within the Dark Energy Survey. *Astronomical Journal*, **2019**, 157, 120 | 4.9 | 4 |
| 213 | Finding high-redshift strong lenses in DES using convolutional neural networks. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 5330-5349 | 4.3 | 34 |
| 212 | First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 2184-2196 | 4.3 | 93 |
| 211 | Cosmological Constraints from Multiple Probes in the Dark Energy Survey. *Physical Review Letters*, **2019**, 122, 171301 | 7.4 | 50 |
| 210 | First cosmology results using Type IA supernovae from the dark energy survey: effects of chromatic corrections to supernova photometry on measurements of cosmological parameters. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 5329-5344 | 4.3 | 13 |
| 209 | First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary–Black-hole Merger GW170814. *Astrophysical Journal Letters*, **2019**, 876, L7 | 7.9 | 91 |
| 208 | First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 1171-1187 | 4.3 | 37 |
| 207 | Weak-lensing analysis of SPT-selected galaxy clusters using Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 69-87 | 4.3 | 14 |
| 206 | More out of less: an excess integrated Sachs–Wolfe signal from supervoids mapped out by the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 5267-5277 | 4.3 | 24 |
| 205 | First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. *Astrophysical Journal*, **2019**, 874, 150 | 4.7 | 52 |
| 204 | First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. *Astrophysical Journal Letters*, **2019**, 872, L30 | 7.9 | 113 |
| 203 | A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. *Astrophysical Journal Letters*, **2019**, 873, L24 | 7.9 | 12 |
| 202 | Dark Energy Survey Year 1 Results: Cross-correlation between Dark Energy Survey Y1 galaxy weak lensing and South Pole Telescope+Planck CMB weak lensing. *Physical Review D*, **2019**, 100, | 4.9 | 10 |

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| 201 | Dark Energy Survey year 1 results: Joint analysis of galaxy clustering, galaxy lensing, and CMB lensing two-point functions. *Physical Review D*, **2019**, 100, | 4.9 | 27 |
| 200 | Dark Energy Survey Year 1 Results: Tomographic cross-correlations between Dark Energy Survey galaxies and CMB lensing from South Pole Telescope+Planck. *Physical Review D*, **2019**, 100, | 4.9 | 19 |
| 199 | On the relative bias of void tracers in the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 2836-2852 | 4.3 | 21 |
| 198 | Galaxies in X-ray selected clusters and groups in Dark Energy Survey data II. Hierarchical Bayesian modelling of the red-sequence galaxy luminosity function. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 1-17 | 4.3 | 6 |
| 197 | Dark Energy Survey Year 1 results: measurement of the baryon acoustic oscillation scale in the distribution of galaxies to redshift 1. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 4866-4883 | 4.3 | 63 |
| 196 | Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 4779-4800 | 4.3 | 51 |
| 195 | Dark Energy Survey Year 1 results: validation of weak lensing cluster member contamination estimates from P(z) decomposition. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 2511-2524 | 4.3 | 13 |
| 194 | Brown dwarf census with the Dark Energy Survey year 3 data and the thin disc scale height of early L types. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 5301-5325 | 4.3 | 12 |
| 193 | Search for RR Lyrae stars in DES ultrafaint systems: Grus I, Kim 2, Phoenix II, and Grus II. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 2183-2199 | 4.3 | 20 |
| 192 | Mass variance from archival X-ray properties of Dark Energy Survey Year-1 galaxy clusters. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 3341-3354 | 4.3 | 10 |
| 191 | Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. *Physical Review Letters*, **2019**, 123, 181301 | 7.4 | 8 |
| 190 | Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy. *Astrophysical Journal*, **2019**, 882, 177 | 4.7 | 30 |
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3  Dark energy survey year 3 results: Galaxy sample for BAO measurement. *Monthly Notices of the Royal Astronomical Society,*  4.3 1

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