Gregory Tarl

List of Publications by Year in Descending Order

280 papers	10,870 citations	50 h-index	93 g-index
306 ext. papers	13,949 ext. citations	4.9 avg, IF	4.53 L-index

#	Paper	IF	Citations
280	From the Fire: A Deeper Look at the Phoenix Stream. *Astrophysical Journal*, **2022**, 925, 118	4.7	0
279	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. *Astrophysical Journal, Supplement Series*, **2022**, 258, 15	8	1
278	Dark Energy Survey Year 3 results: marginalization over redshift distribution uncertainties using ranking of discrete realizations. *Monthly Notices of the Royal Astronomical Society*, **2022**, 511, 2170-2185	4.3	2
277	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
276	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
275	Deep Learning of Dark Energy Spectroscopic Instrument Mock Spectra to Find Damped Ly? Systems. *Astrophysical Journal, Supplement Series*, **2022**, 259, 28	8	0
274	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
273	The Observed Evolution of the Stellar Mass?Halo Mass Relation for Brightest Central Galaxies. *Astrophysical Journal*, **2022**, 928, 28	4.7	2
272	The Evolution of AGN Activity in Brightest Cluster Galaxies. *Astronomical Journal*, **2022**, 163, 146	4.9	0
271	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. *Astrophysical Journal*, **2022**, 927, 109	4.7	0
270	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
269	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. *Astrophysical Journal*, **2022**, 929, 115	4.7	1
268	C/2014 UN271 (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. *Astrophysical Journal Letters*, **2021**, 921, L37	7.9	6
267	Cosmologically Coupled Compact Objects: A Single-parameter Model for LIGO?Virgo Mass and Redshift Distributions. *Astrophysical Journal Letters*, **2021**, 921, L22	7.9	4
266	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
265	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
264	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

263	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
262	Consistency of cosmic shear analyses in harmonic and real space. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 3796-3817	4.3	5
261	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
260	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. *Physical Review Letters*, **2021**, 126, 091101	7.4	49
259	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. *Astrophysical Journal*, **2021**, 911, 109	4.7	7
258	Dark energy survey year 3 results: weak lensing shape catalogue. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 4312-4336	4.3	17
257	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
256	The first Hubble diagram and cosmological constraints using superluminous supernovae. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 2535-2549	4.3	8
255	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
254	Understanding the extreme luminosity of DES14X2fna. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 3950-3967	4.3	1
253	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. *Astrophysical Journal, Supplement Series*, **2021**, 254, 24	8	24
252	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
251	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
250	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
249	Assessing tension metrics with dark energy survey and Planck data. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 6179-6194	4.3	10
248	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
247	The Dark Energy Survey Data Release 2. *Astrophysical Journal, Supplement Series*, **2021**, 255, 20	8	22
246	A Deeper Look at DES Dwarf Galaxy Candidates: Grus i and Indus ii. *Astrophysical Journal*, **2021**, 916, 81	4.7	3

245	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
244	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. *Astrophysical Journal, Supplement Series*, **2021**, 252, 18	8	27
243	Baryon acoustic oscillations in the projected cross-correlation function between the eBOSS DR16 quasars and photometric galaxies from the DESI Legacy Imaging Surveys. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 2562-2582	4.3	2
242	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
241	Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. *Physical Review D*, **2021**, 103,	4.9	14
240	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
239	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
238	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
237	The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev-Zel'dovich Galaxy Clusters. *Astrophysical Journal, Supplement Series*, **2021**, 253, 3	8	44
236	Reducing Ground-based Astrometric Errors with Gaia and Gaussian Processes. *Astronomical Journal*, **2021**, 162, 106	4.9	2
235	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
234	The mass and galaxy distribution around SZ-selected clusters. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 5758-5779	4.3	2
233	DES Y1 results: Splitting growth and geometry to test ΛCDM. *Physical Review D*, **2021**, 103,	4.9	7
232	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
231	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
230	Noise from undetected sources in Dark Energy Survey images. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 2529-2539	4.3	9
229	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
228	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

227	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
226	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
225	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
224	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
223	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
222	The mystery of photometric twins DES17X1boj and DES16E2bjy. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 5576-5589	4.3	2
221	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
220	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
219	DES16C3cje: A low-luminosity, long-lived supernova. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 95-110	4.3	5
218	Detection of Cross-Correlation between Gravitational Lensing and Rays. *Physical Review Letters*, **2020**, 124, 101102	7.4	10
217	Trans-Neptunian Objects Found in the First Four Years of the Dark Energy Survey. *Astrophysical Journal, Supplement Series*, **2020**, 247, 32	8	16
216	Optimizing automatic morphological classification of galaxies with machine learning and deep learning using Dark Energy Survey imaging. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 4209-4228	4.3	33
215	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. *Physical Review D*, **2020**, 102,	4.9	77
214	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
213	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. *Astrophysical Journal, Supplement Series*, **2020**, 246, 16	8	17
212	LyaCoLoRe: synthetic datasets for current and future Lyman-Forest BAO surveys. *Journal of Cosmology and Astroparticle Physics*, **2020**, 2020, 068-068	6.4	10
211	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
210	Dynamical Classification of Trans-Neptunian Objects Detected by the Dark Energy Survey. *Astronomical Journal*, **2020**, 159, 133	4.9	13

No.	Reference	IF	Cites
209	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
208	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
207	Chemical Analysis of the Ultrafaint Dwarf Galaxy Grus II. Signature of High-mass Stellar Nucleosynthesis. *Astrophysical Journal*, **2020**, 897, 183	4.7	8
206	Dust Reverberation Mapping in Distant Quasars from Optical and Mid-infrared Imaging Surveys. *Astrophysical Journal*, **2020**, 900, 58	4.7	8
205	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
204	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
203	The SPTpol Extended Cluster Survey. *Astrophysical Journal, Supplement Series*, **2020**, 247, 25	8	56
202	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
201	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
200	Preliminary Target Selection for the DESI Quasar (QSO) Sample. *Research Notes of the AAS*, **2020**, 4, 179	0.8	6
199	Preliminary Target Selection for the DESI Emission Line Galaxy (ELG) Sample. *Research Notes of the AAS*, **2020**, 4, 180	0.8	5
198	Preliminary Target Selection for the DESI Luminous Red Galaxy (LRG) Sample. *Research Notes of the AAS*, **2020**, 4, 181	0.8	7
197	Preliminary Target Selection for the DESI Milky Way Survey (MWS). *Research Notes of the AAS*, **2020**, 4, 188	0.8	8
196	Preliminary Target Selection for the DESI Bright Galaxy Survey (BGS). *Research Notes of the AAS*, **2020**, 4, 187	0.8	8
195	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
194	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
193	Dark Energy Survey year 3 results: point spread function modelling. *Monthly Notices of the Royal Astronomical Society*, **2020**, 501, 1282-1299	4.3	14
192	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

191	Candidate Periodically Variable Quasars from the Dark Energy Survey and the Sloan Digital Sky Survey. *Monthly Notices of the Royal Astronomical Society*, **2020**,	4.3	7
190	Modelling the Milky Way . 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
189	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
188	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
187	Imaging systematics and clustering of DESI main targets. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 2262-2291	4.3	14
186	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
185	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
184	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
183	Blinding multiprobe cosmological experiments. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 4454-4470	4.3	15
182	Dark Energy Survey Year 3 results: cosmology with moments of weak lensing mass maps validation on simulations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 4060-4087	4.3	15
181	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
180	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
179	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
178	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
177	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
176	An Extended Catalog of GalaxyGalaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. *Astrophysical Journal, Supplement Series*, **2019**, 243, 17	8	34
175	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
174	Dark Energy Survey Year 1 results: the effect of intracluster light on photometric redshifts for weak gravitational lensing. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 4389-4399	4.3	5

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173	H0LiCOW IX. Spectroscopic/imaging survey and galaxy-group identification around the strong gravitational lens system WFI 2033−4723. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 613-633	4.3	16
172	Transfer learning for galaxy morphology from one survey to another. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 93-100	4.3	36
171	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
170	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
169	Cosmological lensing ratios with DES Y1, SPT, and Planck. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 1363-1379	4.3	11
168	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
167	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
166	Superluminous supernovae from the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 2215-2241	4.3	37
165	Three new VHS−DES quasars at 6.7 6.5. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 1874-1885	4.3	43
164	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
163	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
162	Steve: A Hierarchical Bayesian Model for Supernova Cosmology. *Astrophysical Journal*, **2019**, 876, 15	4.7	9
161	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
160	Rediscovery of the Sixth Star Cluster in the Fornax Dwarf Spheroidal Galaxy. *Astrophysical Journal Letters*, **2019**, 875, L13	7.9	16
159	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
158	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift ~ 0.25. *Astrophysical Journal*, **2019**, 874, 165	4.7	45
157	Astrometry and Occultation Predictions to Trans-Neptunian and Centaur Objects Observed within the Dark Energy Survey. *Astronomical Journal*, **2019**, 157, 120	4.9	4
156	Correcting for fibre assignment incompleteness in the DESI Bright Galaxy Survey. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 1285-1300	4.3	11

155	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
154	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
153	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. *Physical Review Letters*, **2019**, 122, 171301	7.4	50
152	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
151	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
150	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
149	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
148	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
147	First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. *Astrophysical Journal*, **2019**, 874, 150	4.7	52
146	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
145	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
144	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
143	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
142	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
141	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
140	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
139	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
138	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

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137	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
136	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. *Physical Review Letters*, **2019**, 123, 181301	7.4	8
135	Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy. *Astrophysical Journal*, **2019**, 882, 177	4.7	30
134	Reprint of "Evidence for color dichotomy in the primordial Neptunian Trojan population". *Icarus*, **2019**, 334, 79-88	3.8	1
133	Dark Energy Survey Year 1 results: constraints on intrinsic alignments and their colour dependence from galaxy clustering and weak lensing. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 5453-5482	4.3	30
132	Producing a BOSS CMASS sample with DES imaging. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 2887-2906	4.3	13
131	Dark Energy Survey year 1 results: the relationship between mass and light around cosmic voids. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 3573-3587	4.3	13
130	A DECam Search for Explosive Optical Transients Associated with IceCube Neutrino Alerts. *Astrophysical Journal*, **2019**, 883, 125	4.7	6
129	The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. *Astrophysical Journal*, **2019**, 881, 118	4.7	18
128	Dark Energy Survey year 1 results: galaxy sample for BAO measurement. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 2807-2822	4.3	16
127	Evidence for color dichotomy in the primordial Neptunian Trojan population. *Icarus*, **2019**, 321, 426-435	3.8	12
126	Is every strong lens model unhappy in its own way? Uniform modelling of a sample of 13 quadruply+ imaged quasars. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 5649-5671	4.3	39
125	Dark Energy Survey Year 1 results: weak lensing mass calibration of redMaPPer galaxy clusters. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 1352-1378	4.3	93
124	Measuring linear and non-linear galaxy bias using counts-in-cells in the Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 1435-1451	4.3	10
123	Dark Energy Survey Year 1 results: Methodology and projections for joint analysis of galaxy clustering, galaxy lensing, and CMB lensing two-point functions. *Physical Review D*, **2019**, 99,	4.9	23
122	Candidate massive galaxies atz?-?4 in the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 3060-3081	4.3	14
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