

# David Brooks

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

247 papers	8,817 citations	45 h-index	83 g-index
266 ext. papers	11,512 ext. citations	4.8 avg, IF	4.37 L-index

#	Paper	IF	Citations
247	THE DARK ENERGY CAMERA. <i>Astronomical Journal</i> , <b>2015</b> , 150, 150	4.9	524
246	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	522
245	EIGHT NEW MILKY WAY COMPANIONS DISCOVERED IN FIRST-YEAR DARK ENERGY SURVEY DATA. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 50	4.7	390
244	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. <i>Astrophysical Journal</i> , <b>2015</b> , 813, 109	4.7	329
243	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 239, 18	8	313
242	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L16	7.9	295
241	SEARCHING FOR DARK MATTER ANNIHILATION IN RECENTLY DISCOVERED MILKY WAY SATELLITES WITH FERMI-LAT. <i>Astrophysical Journal</i> , <b>2017</b> , 834, 110	4.7	249
240	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 224, 1	8	176
239	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 235, 33	8	150
238	Stellar Streams Discovered in the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 114	4.7	141
237	Dark Energy Survey Year 1 Results: A Precise H0 Estimate from DES Y1, BAO, and D/H Data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3879-3888	4.3	136
236	Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 592-610	4.3	118
235	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 1431-1450	4.3	118
234	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 872, L30	7.9	113
233	STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II. <i>Astrophysical Journal</i> , <b>2015</b> , 808, 95	4.7	110
232	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , <b>2015</b> , 150, 172	4.9	101
231	Farthest Neighbor: The Distant Milky Way Satellite Eridanus II. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 8	4.7	93

230	First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 2184-2196	4.3	93
229	Dark Energy Survey Year 1 results: weak lensing mass calibration of redMaPPer galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 1352-1378	4.3	93
228	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. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 876, L7	7.9	91
227	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , <b>2015</b> , 150, 82	4.9	91
226	STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J04085354. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 6072-6102	4.3	83
225	Anr-process Enhanced Star in the Dwarf Galaxy Tucana III. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 44	4.7	81
224	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	77
223	Rapidly evolving transients in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 894-917	4.3	77
222	Dark Energy Survey year 1 results: Galaxy clustering for combined probes. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	74
221	Nearest Neighbor: The Low-mass Milky Way Satellite Tucana III. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 11	4.7	66
220	Eight new luminous $z \approx 6$ quasars discovered via SED model fitting of VISTA, WISE and Dark Energy Survey Year 1 observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 4702-4718	4.3	66
219	Dark Energy Survey Year 1 results: measurement of the baryon acoustic oscillation scale in the distribution of galaxies to redshift 1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 4866-4883	4.3	63
218	Cosmic voids and void lensing in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 746-759	4.3	60
217	Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 160	4.7	59
216	Survey geometry and the internal consistency of recent cosmic shear measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 4998-5004	4.3	58
215	Weak lensing by galaxy troughs in DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 3367-3380	4.3	56
214	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 247, 25	8	56
213	VDES J23255229 $z=2.7$ gravitationally lensed quasar discovered using morphology-independent supervised machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 4325-4334	4.3	54

212	Dark Energy Survey Year 1 results: cross-correlation redshifts [methods and systematics characterization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 1664-1682	4.3	53
211	Milky Way Satellite Census. I. The Observational Selection Function for Milky Way Satellites in DES Y3 and Pan-STARRS DR1. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 47	4.7	52
210	Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 4779-4800	4.3	51
209	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , <b>2019</b> , 122, 171301	7.4	50
208	Baryon content in a sample of 91 galaxy clusters selected by the South Pole Telescope at 0.2. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 3072-3099	4.3	50
207	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. <i>Physical Review Letters</i> , <b>2021</b> , 126, 091101	7.4	49
206	OzDES multifibre spectroscopy for the Dark Energy Survey: 3-yr results and first data release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 273-288	4.3	46
205	The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles. <i>Astrophysical Journal</i> , <b>2018</b> , 864, 83	4.7	46
204	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift $\sim 0.25$ . <i>Astrophysical Journal</i> , <b>2019</b> , 874, 165	4.7	45
203	Digging deeper into the Southern skies: a compact Milky Way companion discovered in first-year Dark Energy Survey data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 603-612	4.3	45
202	Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3165-3190	4.3	44
201	The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev-Zeldovich Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 253, 3	8	44
200	Three new VHS-DES quasars at 6.7–6.5. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 1874-1885	4.3	43
199	Milky Way Satellite Census. II. Galaxy Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 48	4.7	43
198	The First Tidally Disrupted Ultra-faint Dwarf Galaxy?: A Spectroscopic Analysis of the Tucana III Stream. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 22	4.7	43
197	Testing the lognormality of the galaxy and weak lensing convergence distributions from Dark Energy Survey maps. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 1444-1461	4.3	41
196	Joint measurement of lensing-galaxy correlations using SPT and DES SV data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 4099-4114	4.3	40
195	GALAXIES IN X-RAY SELECTED CLUSTERS AND GROUPS IN DARK ENERGY SURVEY DATA. I. STELLAR MASS GROWTH OF BRIGHT CENTRAL GALAXIES SINCE $z \sim 1.2$ . <i>Astrophysical Journal</i> , <b>2016</b> , 816, 98	4.7	39

194	Is every strong lens model unhappy in its own way? Uniform modelling of a sample of 13 quadruply+ imaged quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 5649-5671	4.3	39
193	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 1260-1265	4.3	38
192	THE PHOENIX STREAM: A COLD STREAM IN THE SOUTHERN HEMISPHERE. <i>Astrophysical Journal</i> , <b>2016</b> , 820, 58	4.7	38
191	Superluminous supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2215-2241	4.3	37
190	First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 1171-1187	4.3	37
189	Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 849, L34	7.9	37
188	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L29	7.9	37
187	Transfer learning for galaxy morphology from one survey to another. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 93-100	4.3	36
186	An Extended Catalog of Galaxy-Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 17	8	34
185	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 106	4.7	34
184	Finding high-redshift strong lenses in DES using convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 5330-5349	4.3	34
183	Wide-Field Lensing Mass Maps from Dark Energy Survey Science Verification Data. <i>Physical Review Letters</i> , <b>2015</b> , 115, 051301	7.4	34
182	Discovery and Dynamical Analysis of an Extreme Trans-Neptunian Object with a High Orbital Inclination. <i>Astronomical Journal</i> , <b>2018</b> , 156, 81	4.9	34
181	First cosmology results using type Ia supernovae from the Dark Energy Survey: the effect of host galaxy properties on supernova luminosity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4426-4447	4.3	34
180	Dark Energy Survey Year 1 Results: calibration of redMaGiC redshift distributions in DES and SDSS from cross-correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2427-2443	4.3	34
179	Optimizing automatic morphological classification of galaxies with machine learning and deep learning using Dark Energy Survey imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 4209-4228	4.3	33
178	Dark Energy Survey Year 1 results: the impact of galaxy neighbours on weak lensing cosmology with im3shape. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 4524-4543	4.3	33
177	The DES Bright Arcs Survey: Hundreds of Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey Science Verification and Year 1 Observations. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 232, 15	8	33

176	The LMC geometry and outer stellar populations from early DES data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 1129-1145	4.3	33
175	Cosmology from large-scale galaxy clustering and galaxy-galaxy lensing with Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 4045-4062	4.3	32
174	Phenotypic redshifts with self-organizing maps: A novel method to characterize redshift distributions of source galaxies for weak lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 820-841	4.3	32
173	Modelling the Tucana III stream in a close passage with the LMC. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> ,	4.3	32
172	A Search for Kilonovae in the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2017</b> , 837, 57	4.7	31
171	Measurement of the splashback feature around SZ-selected Galaxy clusters with DES, SPT, and ACT. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2900-2918	4.3	31
170	The Dark Energy Survey view of the Sagittarius stream: discovery of two faint stellar system candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 97-108	4.3	31
169	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 123	4.7	31
168	Discovery of the Lensed Quasar System DES J0408-5354. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 838, L15	7.9	30
167	Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 177	4.7	30
166	Dark Energy Survey Year 1 results: constraints on intrinsic alignments and their colour dependence from galaxy clustering and weak lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5453-5482	4.3	30
165	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2016 follow-up campaign II. Overview and classification of candidates selected by two techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 1041-1054	4.3	30
164	DES meets Gaia: discovery of strongly lensed quasars from a multiplet search. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 4345-4354	4.3	30
163	DISCOVERY OF A STELLAR OVERDENSITY IN ERIDANUS/PHOENIX IN THE DARK ENERGY SURVEY. <i>Astrophysical Journal</i> , <b>2016</b> , 817, 135	4.7	29
162	Dark Energy Surveyed Year 1 results: calibration of cluster mis-centring in the redMaPPer catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2578-2593	4.3	28
161	Astrometric Calibration and Performance of the Dark Energy Camera. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2017</b> , 129, 074503	5	27
160	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 252, 18	8	27
159	Improving weak lensing mass map reconstructions using Gaussian and sparsity priors: application to DES SV. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 2871-2888	4.3	27



158	A new RASS galaxy cluster catalogue with low contamination extending to $z \sim 1$ in the DES overlap region. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 739-769	4.3	26
157	Chemical Abundance Analysis of Three $\sigma$ -poor, Metal-poor Stars in the Ultrafaint Dwarf Galaxy Horologium I. <i>Astrophysical Journal</i> , <b>2018</b> , 852, 99	4.7	26
156	The Clustering of DESI-like Luminous Red Galaxies Using Photometric Redshifts. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	26
155	DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 4614-4635	4.3	25
154	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 839, L15	7.9	24
153	More out of less: an excess integrated Sachs-Wolfe signal from supervoids mapped out by the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 5267-5277	4.3	24
152	A Statistical Standard Siren Measurement of the Hubble Constant from the LIGO/Virgo Gravitational Wave Compact Object Merger GW190814 and Dark Energy Survey Galaxies. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 900, L33	7.9	24
151	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 254, 24	8	24
150	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 137	4.7	23
149	Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. <i>Physical Review Letters</i> , <b>2021</b> , 126, 141301	7.4	22
148	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 255, 20	8	22
147	C iv black hole mass measurements with the Australian Dark Energy Survey (OzDES). <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 3650-3663	4.3	21
146	On the relative bias of void tracers in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2836-2852	4.3	21
145	OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 19-35	4.3	21
144	ASSESSMENT OF SYSTEMATIC CHROMATIC ERRORS THAT IMPACT SUB-1% PHOTOMETRIC PRECISION IN LARGE-AREA SKY SURVEYS. <i>Astronomical Journal</i> , <b>2016</b> , 151, 157	4.9	21
143	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 37	4.7	20
142	Search for RR Lyrae stars in DES ultrafaint systems: Grus I, Kim I, Phoenix I, and Grus II. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 2183-2199	4.3	20
141	Dark Energy Survey Year-1 results: galaxy mock catalogues for BAO. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 94-110	4.3	19

140	The evolution of active galactic nuclei in clusters of galaxies from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 2531-2539	4.3	18
139	Stellar mass as a galaxy cluster mass proxy: application to the Dark Energy Survey redMaPPer clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 4591-4606	4.3	18
138	OBSERVATION OF TWO NEW L4 NEPTUNE TROJANS IN THE DARK ENERGY SURVEY SUPERNOVA FIELDS. <i>Astronomical Journal</i> , <b>2016</b> , 151, 39	4.9	18
137	Dark Energy Survey Year 3 results: redshift calibration of the weak lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 4249-4277	4.3	18
136	The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. <i>Astrophysical Journal</i> , <b>2019</b> , 881, 118	4.7	18
135	Cross-correlation redshift calibration without spectroscopic calibration samples in DES Science Verification Data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 2196-2208	4.3	18
134	A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey. <i>Astronomical Journal</i> , <b>2017</b> , 153, 107	4.9	17
133	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 16	8	17
132	Dark energy survey year 3 results: weak lensing shape catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 4312-4336	4.3	17
131	OBSERVATION AND CONFIRMATION OF SIX STRONG-LENSING SYSTEMS IN THE DARK ENERGY SURVEY SCIENCE VERIFICATION DATA. <i>Astrophysical Journal</i> , <b>2016</b> , 827, 51	4.7	17
130	HOLICOW IX. Spectroscopic/imaging survey and galaxy-group identification around the strong gravitational lens system WFI 20334-723. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 613-633	4.3	16
129	Rediscovery of the Sixth Star Cluster in the Fornax Dwarf Spheroidal Galaxy. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L13	7.9	16
128	Trans-Neptunian Objects Found in the First Four Years of the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 247, 32	8	16
127	Weak lensing magnification in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 1071-1085	4.3	16
126	Constraints on the Physical Properties of GW190814 through Simulations Based on DECAM Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2020</b> , 901, 83	4.7	16
125	Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 4040-4060	4.3	16
124	Dark Energy Survey year 1 results: galaxy sample for BAO measurement. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 2807-2822	4.3	16
123	Star-galaxy classification in the Dark Energy Survey Y1 dataset. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> ,	4.3	16



122	Models of the strongly lensed quasar DES J04085354. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 4038-4050	4.3	15
121	A catalogue of structural and morphological measurements for DES Y1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2018-2040	4.3	15
120	Blinding multiprobe cosmological experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4454-4470	4.3	15
119	Dark Energy Survey Year 3 results: cosmology with moments of weak lensing mass maps & validation on simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 4060-4087	4.3	15
118	Weak-lensing analysis of SPT-selected galaxy clusters using Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 69-87	4.3	14
117	Dark Energy Survey year 3 results: point spread function modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 501, 1282-1299	4.3	14
116	Imaging systematics and clustering of DESI main targets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 2262-2291	4.3	14
115	Candidate massive galaxies at $z \sim 1.4$ in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 3060-3081	4.3	14
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111	Dark Energy Survey year 1 results: the relationship between mass and light around cosmic voids. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 3573-3587	4.3	13
110	Optical SZ scaling relations for DES optically selected clusters within the SPT-SZ Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 3347-3360	4.3	13
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108	The effect of environment on Type Ia supernovae in the Dark Energy Survey three-year cosmological sample. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 501, 4861-4876	4.3	13
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99	Deep SOAR Follow-up photometry of two Milky Way outer-halo companions discovered with Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 2006-2018	4.3	12
98	Galaxy bias from galaxy-galaxy lensing in the DES science verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 1667-1684	4.3	12
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90	Dynamical Analysis of Three Distant Trans-Neptunian Objects with Similar Orbits. <i>Astronomical Journal</i> , <b>2018</b> , 156, 273	4.9	11
89	Unbiased clustering estimates with the DESI fibre assignment. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2338-2348	4.3	11
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77	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2016 follow-up campaign III. New quasar lenses from double component fitting. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> ,	4.3	10
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72	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 4626-4645	4.3	9
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70	BAO from angular clustering: optimization and mitigation of theoretical systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3031-3051	4.3	9
69	Dark energy survey year 3 results: Covariance modelling and its impact on parameter estimation and quality of fit. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	9

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57	Dark Energy Survey Year 1 results: the lensing imprint of cosmic voids on the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 500, 464-480	4.3	7
56	Candidate Periodically Variable Quasars from the Dark Energy Survey and the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> ,	4.3	7
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52	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 4860-4892	4.3	6
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49	C/2014 UN271 (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 921, L37	7.9	6
48	A DECam Search for Explosive Optical Transients Associated with IceCube Neutrino Alerts. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 125	4.7	6
47	OzDES Reverberation Mapping Programme: the first Mg ii lags from 5 yr of monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 3771-3788	4.3	6
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43	Photometric redshifts and clustering of emission line galaxies selected jointly by DES and eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 2771-2790	4.3	5
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41	Consistency of cosmic shear analyses in harmonic and real space. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 3796-3817	4.3	5
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39	Rates and delay times of type Ia supernovae in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	5
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36	$\sigma_8$ masses: weak-lensing calibration of the Dark Energy Survey Year 1 redMaPPer clusters using stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 5450-5467	4.3	4
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34	Galaxy morphological classification catalogue of the Dark Energy Survey Year 3 data with convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 4425-4444	4.3	4
33	The WaZP galaxy cluster sample of the dark energy survey year 1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 4435-4456	4.3	4



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29	Probing gravity with the DES-CMASS sample and BOSS spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3
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27	The Dark Energy Survey supernova programme: modelling selection efficiency and observed core-collapse supernova contamination. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 2819-2839	4.3	3
26	A Deeper Look at DES Dwarf Galaxy Candidates: Grus i and Indus ii. <i>Astrophysical Journal</i> , <b>2021</b> , 916, 81	4.7	3
25	A machine learning approach to galaxy properties: joint redshift-stellar mass probability distributions with Random Forest. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 2770-2786	4.3	3
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22	Weak lensing of Type Ia Supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 4051-4059	4.3	2
21	Dark Energy Survey Year 3 results: marginalization over redshift distribution uncertainties using ranking of discrete realizations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 511, 2170-2185	4.3	2
20	Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 511, 2075-2104	4.3	2
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18	The mass and galaxy distribution around SZ-selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 5758-5779	4.3	2
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13	Dark Energy Survey Year 3 results: galaxy halo connection from galaxy-galaxy lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 509, 3119-3147	4.3	1
12	Dark energy survey year 3 results: Galaxy sample for BAO measurement. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	1
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10	Understanding the extreme luminosity of DES14X2fna. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3950-3967	4.3	1
9	Galaxy clustering in harmonic space from the dark energy survey year 1 data: compatibility with real-space results. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 5714-5724	4.3	1
8	Comprehensive Measurements of the Volume-phase Holographic Gratings for the Dark Energy Spectroscopic Instrument. <i>Astrophysical Journal</i> , <b>2018</b> , 869, 24	4.7	1
7	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , <b>2022</b> , 929, 115	4.7	1
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