

Andrs A Plazas Malagn

List of Publications by Citations

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166
papers

6,207
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41
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175
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7,975
ext. citations

5
avg. IF

4.11
L-index

#	Paper	IF	Citations
166	THE DARK ENERGY CAMERA. <i>Astronomical Journal</i> , 2015 , 150, 150	4.9	524
165	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. <i>Astrophysical Journal</i> , 2015 , 813, 109	4.7	329
164	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 239, 18	8	313
163	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> , 2017 , 848, L16	7.9	295
162	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 224, 1	8	176
161	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 235, 33	8	150
160	Stellar Streams Discovered in the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018 , 862, 114	4.7	141
159	Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 592-610	4.3	118
158	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 1431-1450	4.3	118
157	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. <i>Astrophysical Journal Letters</i> , 2019 , 872, L30	7.9	113
156	The DES Science Verification weak lensing shear catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 460, 2245-2281	4.3	107
155	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015 , 150, 172	4.9	101
154	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> , 2019 , 876, L7	7.9	91
153	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015 , 150, 82	4.9	91
152	Cosmology constraints from shear peak statistics in Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 3653-3673	4.3	88
151	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> , 2020 , 494, 6072-6102	4.3	83
150	Rapidly evolving transients in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 894-917	4.3	77

149	Constraints on the richness-mass relation and the optical-SZE positional offset distribution for SZE-selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 2305-2319	4.3	75
148	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> , 2017 , 468, 4702-4718	4.3	66
147	Galaxy clustering, photometric redshifts and diagnosis of systematics in the DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 4301-4324	4.3	65
146	DES14X3taz: A TYPE I SUPERLUMINOUS SUPERNOVA SHOWING A LUMINOUS, RAPIDLY COOLING INITIAL PRE-PEAK BUMP. <i>Astrophysical Journal Letters</i> , 2016 , 818, L8	7.9	63
145	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> , 2019 , 483, 4866-4883	4.3	63
144	Cosmic voids and void lensing in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 746-759	4.3	60
143	Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018 , 854, 160	4.7	59
142	OzDES multifibre spectroscopy for the Dark Energy Survey: first-year operation and results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 3047-3063	4.3	59
141	Survey geometry and the internal consistency of recent cosmic shear measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 479, 4998-5004	4.3	58
140	Weak lensing by galaxy troughs in DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 3367-3380	4.3	56
139	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 247, 25	8	56
138	VDES J2325B229 $z=2.7$ gravitationally lensed quasar discovered using morphology-independent supervised machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 4325-4334	4.3	54
137	Dark Energy Survey Year 1 results: cross-correlation redshifts I methods and systematics characterization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 1664-1682	4.3	53
136	First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. <i>Astrophysical Journal</i> , 2019 , 874, 150	4.7	52
135	Milky Way Satellite Census. I. The Observational Selection Function for Milky Way Satellites in DES Y3 and Pan-STARRS DR1. <i>Astrophysical Journal</i> , 2020 , 893, 47	4.7	52
134	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , 2019 , 122, 171301	7.4	50
133	DES13S2cmm: the first superluminous supernova from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 1215-1227	4.3	50
132	Forward Global Photometric Calibration of the Dark Energy Survey. <i>Astronomical Journal</i> , 2018 , 155, 41	4.9	50

131	OzDES multifibre spectroscopy for the Dark Energy Survey: 3-yr results and first data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 273-288	4-3	46
130	Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 3165-3190	4-3	44
129	The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev-Zeldovich Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 253, 3	8	44
128	The Dark Energy Survey and operations: Year 1 2014 ,		43
127	Milky Way Satellite Census. II. Galaxy Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2020 , 893, 48	4-7	43
126	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> , 2017 , 466, 1444-1461	4-3	41
125	MAPPING AND SIMULATING SYSTEMATICS DUE TO SPATIALLY VARYING OBSERVING CONDITIONS IN DES SCIENCE VERIFICATION DATA. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 226, 24	8	40
124	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> , 2019 , 483, 5649-5671	4-3	39
123	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 1260-1265	4-3	38
122	Superluminous supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 2215-2241	4-3	37
121	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> , 2019 , 485, 1171-1187	4-3	37
120	Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. <i>Astrophysical Journal Letters</i> , 2017 , 849, L34	7-9	37
119	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. <i>Astrophysical Journal Letters</i> , 2016 , 826, L29	7-9	37
118	HOST GALAXY IDENTIFICATION FOR SUPERNOVA SURVEYS. <i>Astronomical Journal</i> , 2016 , 152, 154	4-9	36
117	An Extended Catalog of Galaxy-Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 17	8	34
116	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. <i>Astrophysical Journal</i> , 2019 , 874, 106	4-7	34
115	Finding high-redshift strong lenses in DES using convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 5330-5349	4-3	34
114	Discovery and Dynamical Analysis of an Extreme Trans-Neptunian Object with a High Orbital Inclination. <i>Astronomical Journal</i> , 2018 , 156, 81	4-9	34

113	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> , 2020 , 494, 4426-4447	4.3	34
112	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> , 2018 , 481, 2427-2443	4.3	34
111	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> , 2018 , 475, 4524-4543	4.3	33
110	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> , 2017 , 232, 15	8	33
109	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> , 2019 , 489, 820-841	4.3	32
108	A Search for Kilonovae in the Dark Energy Survey. <i>Astrophysical Journal</i> , 2017 , 837, 57	4.7	31
107	Imprint of DES superstructures on the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 4166-4179	4.3	31
106	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018 , 862, 123	4.7	31
105	Discovery of the Lensed Quasar System DES J0408-5354. <i>Astrophysical Journal Letters</i> , 2017 , 838, L15	7.9	30
104	Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy. <i>Astrophysical Journal</i> , 2019 , 882, 177	4.7	30
103	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> , 2018 , 481, 1041-1054	4.3	30
102	DES meets Gaia: discovery of strongly lensed quasars from a multiplet search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 479, 4345-4354	4.3	30
101	A stellar overdensity associated with the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 1349-1360	4.3	29
100	DISCOVERY OF A STELLAR OVERDENSITY IN ERIDANUS/PHOENIX IN THE DARK ENERGY SURVEY. <i>Astrophysical Journal</i> , 2016 , 817, 135	4.7	29
99	Astrometric Calibration and Performance of the Dark Energy Camera. <i>Publications of the Astronomical Society of the Pacific</i> , 2017 , 129, 074503	5	27
98	Improving weak lensing mass map reconstructions using Gaussian and sparsity priors: application to DES SV. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 479, 2871-2888	4.3	27
97	A measurement of CMB cluster lensing with SPT and DES year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 2674-2688	4.3	25
96	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , 2017 , 839, L15	7.9	24

95	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> , 2020 , 900, L33	7.9	24
94	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 254, 24	8	24
93	The dark energy survey and operations: years 1 to 3 2016 ,		23
92	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 255, 20	8	22
91	C iv black hole mass measurements with the Australian Dark Energy Survey (OzDES). <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 3650-3663	4.3	21
90	On the relative bias of void tracers in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 2836-2852	4.3	21
89	OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 19-35	4.3	21
88	ASSESSMENT OF SYSTEMATIC CHROMATIC ERRORS THAT IMPACT SUB-1% PHOTOMETRIC PRECISION IN LARGE-AREA SKY SURVEYS. <i>Astronomical Journal</i> , 2016 , 151, 157	4.9	21
87	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. <i>Astrophysical Journal</i> , 2018 , 854, 37	4.7	20
86	Galaxy bias from the Dark Energy Survey Science Verification data: combining galaxy density maps and weak lensing maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 3203-3216	4.3	20
85	Search for RR Lyrae stars in DES ultrafaint systems: Grus α , Kim α , Phoenix α , and Grus β . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 2183-2199	4.3	20
84	Transverse electric fields' effects in the Dark Energy Camera CCDs. <i>Journal of Instrumentation</i> , 2014 , 9, C04001-C04001	1	19
83	Environmental dependence of the galaxy stellar mass function in the Dark Energy Survey Science Verification Data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 228-247	4.3	19
82	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> , 2020 , 493, 4591-4606	4.3	18
81	OBSERVATION OF TWO NEW L4 NEPTUNE TROJANS IN THE DARK ENERGY SURVEY SUPERNOVA FIELDS. <i>Astronomical Journal</i> , 2016 , 151, 39	4.9	18
80	Dark Energy Survey Year 3 results: redshift calibration of the weak lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 4249-4277	4.3	18
79	A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey. <i>Astronomical Journal</i> , 2017 , 153, 107	4.9	17
78	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 16	8	17

77	Dark energy survey year 3 results: weak lensing shape catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 4312-4336	4.3	17
76	OBSERVATION AND CONFIRMATION OF SIX STRONG-LENSING SYSTEMS IN THE DARK ENERGY SURVEY SCIENCE VERIFICATION DATA. <i>Astrophysical Journal</i> , 2016 , 827, 51	4.7	17
75	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> , 2019 , 490, 613-633	4.3	16
74	Rediscovery of the Sixth Star Cluster in the Fornax Dwarf Spheroidal Galaxy. <i>Astrophysical Journal Letters</i> , 2019 , 875, L13	7.9	16
73	Trans-Neptunian Objects Found in the First Four Years of the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 247, 32	8	16
72	Inference from the small scales of cosmic shear with current and future Dark Energy Survey data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 2567-2583	4.3	16
71	Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , 2020 , 901, 83	4.7	16
70	Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 4040-4060	4.3	16
69	Dark Energy Survey year 1 results: galaxy sample for BAO measurement. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 2807-2822	4.3	16
68	Laboratory Measurement of the Brighter-fatter Effect in an H2RG Infrared Detector. <i>Publications of the Astronomical Society of the Pacific</i> , 2018 , 130, 065004	5	16
67	Star-galaxy classification in the Dark Energy Survey Y1 dataset. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	16
66	Dark Energy Survey Year 3 results: cosmology with moments of weak lensing mass maps \square validation on simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 4060-4087	4.3	15
65	Dark Energy Survey year 3 results: point spread function modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 501, 1282-1299	4.3	14
64	Candidate massive galaxies at $z \sim 1.4$ in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 3060-3081	4.3	14
63	Dark Energy Survey Year 1 results: validation of weak lensing cluster member contamination estimates from P(z) decomposition. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 2511-2524	4.3	13
62	Producing a BOSS CMASS sample with DES imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 2887-2906	4.3	13
61	Dark Energy Survey year 1 results: the relationship between mass and light around cosmic voids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 3573-3587	4.3	13
60	Dynamical Classification of Trans-Neptunian Objects Detected by the Dark Energy Survey. <i>Astronomical Journal</i> , 2020 , 159, 133	4.9	13

59	Dark Energy Survey Year 1 results: measurement of the galaxy angular power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 3870-3883	4.3	12
58	Identification of RR Lyrae Stars in Multiband, Sparsely Sampled Data from the Dark Energy Survey Using Template Fitting and Random Forest Classification. <i>Astronomical Journal</i> , 2019 , 158, 16	4.9	12
57	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2019 , 873, L24	7.9	12
56	The Effect of Detector Nonlinearity on WFIRST PSF Profiles for Weak Gravitational Lensing Measurements. <i>Publications of the Astronomical Society of the Pacific</i> , 2016 , 128, 104001	5	12
55	Brown dwarf census with the Dark Energy Survey year 3 data and the thin disc scale height of early L types. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 5301-5325	4.3	12
54	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2017/2018 follow-up campaign: discovery of 10 lensed quasars and 10 quasar pairs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 3491-3511	4.3	12
53	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> , 2018 , 478, 2006-2018	4.3	12
52	Comparing Dark Energy Survey and HST CLASH observations of the galaxy cluster RXC J2248.7-431: implications for stellar mass versus dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 1486-1499	4.3	11
51	The impact of spectroscopic incompleteness in direct calibration of redshift distributions for weak lensing surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 4769-4786	4.3	11
50	Spectral variability of a sample of extreme variability quasars and implications for the Mg II broad-line region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 5773-5787	4.3	11
49	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 6010-6031	4.3	11
48	Dynamical Analysis of Three Distant Trans-Neptunian Objects with Similar Orbits. <i>Astronomical Journal</i> , 2018 , 156, 273	4.9	11
47	Mass variance from archival X-ray properties of Dark Energy Survey Year-1 galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 3341-3354	4.3	10
46	On-Sky Measurements of the Transverse Electric Fields Effects in the Dark Energy Camera CCDs. <i>Publications of the Astronomical Society of the Pacific</i> , 2014 , 000-000	5	10
45	First Cosmology Results using Supernovae Ia from the Dark Energy Survey: Survey Overview, Performance, and Supernova Spectroscopy. <i>Astronomical Journal</i> , 2020 , 160, 267	4.9	10
44	Is diffuse intracluster light a good tracer of the galaxy cluster matter distribution?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 501, 1300-1315	4.3	10
43	No Evidence for Orbital Clustering in the Extreme Trans-Neptunian Objects. <i>Planetary Science Journal</i> , 2021 , 2, 59	2.9	9
42	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 4626-4645	4.3	9

41	Image simulations for gravitational lensing with skylens. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 2823-2832	4-3	9
40	Chemical Analysis of the Ultrafaint Dwarf Galaxy Grus II. Signature of High-mass Stellar Nucleosynthesis. <i>Astrophysical Journal</i> , 2020 , 897, 183	4-7	8
39	Dust Reverberation Mapping in Distant Quasars from Optical and Mid-infrared Imaging Surveys. <i>Astrophysical Journal</i> , 2020 , 900, 58	4-7	8
38	Dark Energy Survey Year 1 Results: Wide-field mass maps via forward fitting in harmonic space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 5662-5679	4-3	8
37	The host galaxies of 106 rapidly evolving transients discovered by the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 2575-2593	4-3	7
36	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> , 2020 , 500, 464-480	4-3	7
35	Modelling the Milky Way II. Method and first results fitting the thick disc and halo with DES-Y3 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 497, 1547-1562	4-3	7
34	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. <i>Astrophysical Journal</i> , 2021 , 911, 109	4-7	7
33	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 4860-4892	4-3	6
32	A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 41	8	6
31	A DECam Search for Explosive Optical Transients Associated with IceCube Neutrino Alerts. <i>Astrophysical Journal</i> , 2019 , 883, 125	4-7	6
30	OzDES Reverberation Mapping Programme: the first Mg ii lags from 5 yr of monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 3771-3788	4-3	6
29	Constraining radio mode feedback in galaxy clusters with the cluster radio AGNs properties to $z \lesssim 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 1705-1723	4-3	5
28	DES16C3cje: A low-luminosity, long-lived supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 95-110	4-3	5
27	Exploring the contamination of the DES-Y1 cluster sample with SPT-SZ selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 1253-1272	4-3	5
26	Astrometry and Occultation Predictions to Trans-Neptunian and Centaur Objects Observed within the Dark Energy Survey. <i>Astronomical Journal</i> , 2019 , 157, 120	4-9	4
25	Image Simulations for Strong and Weak Gravitational Lensing. <i>Symmetry</i> , 2020 , 12, 494	2-7	4
24	σ_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> , 2020 , 498, 5450-5467	4-3	4

23	Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 1308-1322	4-3	4
22	The WaZP galaxy cluster sample of the dark energy survey year 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 4435-4456	4-3	4
21	STRIDES: Spectroscopic and photometric characterization of the environment and effects of mass along the line of sight to the gravitational lenses DES J0408B354 and WGD 2038B008. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 3241-3274	4-3	3
20	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. <i>Astrophysical Journal</i> , 2020 , 903, 75	4-7	3
19	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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