

# Shantanu Desai

## List of Publications by Year in descending order

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Version: 2024-02-01

309  
papers

20,239  
citations

13865

67  
h-index

12946

131  
g-index

311  
all docs

311  
docs citations

311  
times ranked

11151  
citing authors

#	ARTICLE	IF	CITATIONS
1	SolarB8and hep Neutrino Measurements from 1258 Days of Super-Kamiokande Data. Physical Review Letters, 2001, 86, 5651-5655.	7.8	894
2	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. Physical Review D, 2018, 98, .	4.7	751
3	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. Astrophysical Journal Letters, 2017, 848, L17.	8.3	656
4	Measurement of atmospheric neutrino oscillation parameters by Super-Kamiokande I. Physical Review D, 2005, 71, .	4.7	640
5	Constraints on Neutrino Oscillations Using 1258 Days of Super-Kamiokande Solar Neutrino Data. Physical Review Letters, 2001, 86, 5656-5660.	7.8	579
6	EIGHT NEW MILKY WAY COMPANIONS DISCOVERED IN FIRST-YEAR DARK ENERGY SURVEY DATA. Astrophysical Journal, 2015, 807, 50.	4.5	466
7	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, Supplement Series, 2015, 216, 27.	7.7	464
8	The Dark Energy Survey: Data Release 1. Astrophysical Journal, Supplement Series, 2018, 239, 18.	7.7	455
9	SEARCHING FOR DARK MATTER ANNIHILATION IN RECENTLY DISCOVERED MILKY WAY SATELLITES WITH FERMI-LAT. Astrophysical Journal, 2017, 834, 110.	4.5	412
10	Dark Energy Survey Year 1 results: Cosmological constraints from cosmic shear. Physical Review D, 2018, 98, .	4.7	412
11	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. Astrophysical Journal, 2015, 813, 109.	4.5	405
12	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. Physical Review D, 2022, 105, .	4.7	398
13	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. Astrophysical Journal Letters, 2017, 848, L16.	8.3	392
14	NEOWISE OBSERVATIONS OF NEAR-EARTH OBJECTS: PRELIMINARY RESULTS. Astrophysical Journal, 2011, 743, 156.	4.5	316
15	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. Astrophysical Journal, 2010, 722, 1180-1196.	4.5	285
16	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2013, 763, 127.	4.5	240
17	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. Astrophysical Journal, Supplement Series, 2016, 224, 1.	7.7	233
18	Search for dark matter WIMPs using upward through-going muons in Super-Kamiokande. Physical Review D, 2004, 70, .	4.7	231

#	ARTICLE	IF	CITATIONS
19	Cluster Cosmology Constraints from the 2500 deg <sup>2</sup> SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 878, 55.	4.5	211
20	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A1.	5.1	199
21	Dark Energy Survey Year 1 Results: A Precise H <sub>0</sub> Estimate from DES Y1, BAO, and D/H Data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3879-3888.	4.4	196
22	Stellar Streams Discovered in the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018, 862, 114.	4.5	193
23	THE BLANCO COSMOLOGY SURVEY: DATA ACQUISITION, PROCESSING, CALIBRATION, QUALITY DIAGNOSTICS, AND DATA RELEASE. <i>Astrophysical Journal</i> , 2012, 757, 83.	4.5	192
24	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 33.	7.7	192
25	Search for Supernova Relic Neutrinos at Super-Kamiokande. <i>Physical Review Letters</i> , 2003, 90, 061101.	7.8	181
26	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 95.	4.5	179
27	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.	8.3	179
28	The Dark Energy Survey Image Processing Pipeline. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 074501.	3.1	161
29	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1431-1450.	4.4	156
30	A massive, cooling-flow-induced starburst in the core of a luminous cluster of galaxies. <i>Nature</i> , 2012, 488, 349-352.	27.8	154
31	Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to data calibration. <i>Physical Review D</i> , 2022, 105, .	4.7	151
32	Photometric redshift analysis in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1482-1506.	4.4	146
33	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.	4.4	145
34	THE GROWTH OF COOL CORES AND EVOLUTION OF COOLING PROPERTIES IN A SAMPLE OF 83 GALAXY CLUSTERS AT 0.3 <math>z</math> <math><i>1.2</i></math> SELECTED FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 774, 23.	4.5	144
35	Dark Energy Survey Year 1 results: weak lensing shape catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1149-1182.	4.4	144
36	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. <i>Physical Review Letters</i> , 2021, 126, 091101.	7.8	144

#	ARTICLE	IF	CITATIONS
37	STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J0408â~5354. Monthly Notices of the Royal Astronomical Society, 2020, 494, 6072-6102.	4.4	140
38	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. Physical Review D, 2020, 102, .	4.7	140
39	X-RAY PROPERTIES OF THE FIRST SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTER SAMPLE FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2011, 738, 48.	4.5	137
40	The DES Science Verification weak lensing shear catalogues. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2245-2281.	4.4	137
41	Dark Energy Survey year 1 results: Constraints on extended cosmological models from galaxy clustering and weak lensing. Physical Review D, 2019, 99, .	4.7	130
42	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. Astronomical Journal, 2015, 150, 172.	4.7	128
43	MASS CALIBRATION AND COSMOLOGICAL ANALYSIS OF THE SPT-SZ GALAXY CLUSTER SAMPLE USING VELOCITY DISPERSION $\sigma_v$ AND X-RAY $\gamma$ MEASUREMENTS. Astrophysical Journal, 2015, 799, 214.	4.5	120
44	GW170817 falsifies dark matter emulators. Physical Review D, 2018, 97, .	4.7	120
45	The Dark Energy Survey Data Release 2. Astrophysical Journal, Supplement Series, 2021, 255, 20.	7.7	120
46	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.	4.5	110
47	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.	4.4	109
48	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. Astronomical Journal, 2015, 150, 82.	4.7	107
49	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. Astrophysical Journal, 2014, 792, 45.	4.5	103
50	Dark Energy Survey year 1 results: Galaxy clustering for combined probes. Physical Review D, 2018, 98, .	4.7	102
51	Milky Way Satellite Census. II. Galaxyâ€Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. Astrophysical Journal, 2020, 893, 48.	4.5	101
52	The SPTpol Extended Cluster Survey. Astrophysical Journal, Supplement Series, 2020, 247, 25.	7.7	101
53	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. Astrophysical Journal, Supplement Series, 2021, 254, 24.	7.7	93
54	Eight new luminous $z \approx 6$ quasars discovered via SED model fitting of VISTA, WISE and Dark Energy Survey Year 1 observations. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4702-4718.	4.4	92

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55	REDSHIFTS, SAMPLE PURITY, AND BCG POSITIONS FOR THE GALAXY CLUSTER CATALOG FROM THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 22.	4.5	89
56	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.	4.4	87
57	Weak-lensing mass calibration of redMaPPer galaxy clusters in Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4899-4920.	4.4	87
58	Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018, 854, 160.	4.5	87
59	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.	4.4	86
60	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , 2019, 122, 171301.	7.8	86
61	Cluster mass calibration at high redshift: HST weak lensing analysis of 13 distant galaxy clusters from the South Pole Telescope Sunyaev–Zel'dovich Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2635-2678.	4.4	77
62	Dark energy survey year 3 results: weak lensing shape catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4312-4336.	4.4	77
63	Forward Global Photometric Calibration of the Dark Energy Survey. <i>Astronomical Journal</i> , 2018, 155, 41.	4.7	74
64	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.	8.3	74
65	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.	4.4	73
66	Weak lensing by galaxy troughs in DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3367-3380.	4.4	71
67	Baryon content in a sample of 91 galaxy clusters selected by the South Pole Telescope at $0.2 < z < 1.25$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3072-3099.	4.4	70
68	The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles. <i>Astrophysical Journal</i> , 2018, 864, 83.	4.5	69
69	Superluminous supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2215-2241.	4.4	67
70	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.	4.4	67
71	VDES J2325+5229 $z = 2.7$ gravitationally lensed quasar discovered using morphology-independent supervised machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4325-4334.	4.4	66
72	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift $z \sim 0.25$ . <i>Astrophysical Journal</i> , 2019, 874, 165.	4.5	65

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73	Three new VHSâ€“DES quasars at $6.7 < z < 6.9$ and emission line properties at $z \approx 6.5$ . Monthly Notices of the Royal Astronomical Society, 2019, 487, 1874-1885.	4.4	64
74	Dark Energy Survey Year 1 results: cross-correlation redshifts â€“ methods and systematics characterization. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1664-1682.	4.4	63
75	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.	4.4	63
76	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.	4.4	62
77	Finding high-redshift strong lenses in DES using convolutional neural networks. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5330-5349.	4.4	62
78	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.	4.4	62
79	DES J0454âˆ“4448: discovery of the first luminous $z \approx 6$ quasar from the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3952-3961.	4.4	60
80	Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3165-3190.	4.4	60
81	Limits on the Neutrino Magnetic Moment using 1496 Days of Super-Kamiokande-I Solar Neutrino Data. Physical Review Letters, 2004, 93, 021802.	7.8	59
82	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. Astrophysical Journal, Supplement Series, 2021, 252, 18.	7.7	56
83	Mass and galaxy distributions of four massive galaxy clusters from Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2219-2238.	4.4	55
84	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L33.	8.3	55
85	Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. Physical Review Letters, 2021, 126, 141301.	7.8	55
86	Baryon content of massive galaxy clusters at $0.57 < z < 1.33$ . Monthly Notices of the Royal Astronomical Society, 2016, 455, 258-275.	4.4	54
87	Digging deeper into the Southern skies: a compact Milky Way companion discovered in first-year Dark Energy Survey data. Monthly Notices of the Royal Astronomical Society, 2016, 458, 603-612.	4.4	53
88	Dark Energy Survey Y3 results: blending shear and redshift biases in image simulations. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3371-3394.	4.4	53
89	Constraints on frequency-dependent violations of Shapiro delay from GW150914. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 265-267.	4.1	52
90	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.	4.4	52

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91	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.	4.4	52
92	Separation of pulsar signals from noise using supervised machine learning algorithms. Astronomy and Computing, 2018, 23, 15-26.	1.7	51
93	Study of TeV neutrinos with upward showering muons in Super-Kamiokande. Astroparticle Physics, 2008, 29, 42-54.	4.3	50
94	Joint measurement of lensing-galaxy correlations using SPT and DES SV data. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4099-4114.	4.4	50
95	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey. Astrophysical Journal, 2018, 862, 123.	4.5	50
96	Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. Astrophysical Journal Letters, 2017, 849, L34.	8.3	49
97	Cosmology from large-scale galaxy clustering and galaxy-galaxy lensing with Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4045-4062.	4.4	48
98	The DES Bright Arcs Survey: Hundreds of Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey Science Verification and Year 1 Observations. Astrophysical Journal, Supplement Series, 2017, 232, 15.	7.7	48
99	Testing the lognormality of the galaxy and weak lensing convergence distributions from Dark Energy Survey maps. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1444-1461.	4.4	48
100	THE PHOENIX STREAM: A COLD STREAM IN THE SOUTHERN HEMISPHERE. Astrophysical Journal, 2016, 820, 58.	4.5	46
101	The Dark Energy Survey data processing and calibration system. Proceedings of SPIE, 2012, , .	0.8	45
102	A new RASS galaxy cluster catalogue with low contamination extending to $z \sim 1$ in the DES overlap region. Monthly Notices of the Royal Astronomical Society, 2019, 488, 739-769.	4.4	44
103	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.	4.4	44
104	GALAXIES IN X-RAY SELECTED CLUSTERS AND GROUPS IN DARK ENERGY SURVEY DATA. I. STELLAR MASS GROWTH OF BRIGHT CENTRAL GALAXIES SINCE $z \sim 1.2$ . Astrophysical Journal, 2016, 816, 98.	4.5	43
105	Dark Energy Survey Year 1 results: the impact of galaxy neighbours on weak lensing cosmology with im3shape. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4524-4543.	4.4	43
106	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V*. Astrophysical Journal, 2020, 892, 137.	4.5	43
107	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.	4.4	42
108	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4626-4645.	4.4	42

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109	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> , 2021, 501, 4861-4876.	4.4	42
110	The XMM-BCS galaxy cluster survey. <i>Astronomy and Astrophysics</i> , 2012, 537, A39.	5.1	41
111	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1260-1265.	4.4	41
112	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.	4.4	41
113	Dark Energy Survey year 3 results: point spread function modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1282-1299.	4.4	41
114	Wide-Field Lensing Mass Maps from Dark Energy Survey Science Verification Data. <i>Physical Review Letters</i> , 2015, 115, 051301.	7.8	40
115	Astrometric Calibration and Performance of the Dark Energy Camera. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 074503.	3.1	40
116	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.	4.4	39
117	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.	4.4	39
118	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> , 2021, 508, 3125-3165.	4.4	39
119	A stellar overdensity associated with the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1349-1360.	4.4	38
120	A multicomponent matched filter cluster confirmation tool for eROSITA: initial application to the RASS and DES-SV data sets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3324-3343.	4.4	38
121	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.	4.4	37
122	Assessing tension metrics with dark energy survey and Planck data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 6179-6194.	4.4	37
123	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 3.	7.7	36
124	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> , 2017, 468, 97-108.	4.4	36
125	Imprint of DES superstructures on the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4166-4179.	4.4	36
126	Dark Energy Survey Year 3 Results: clustering redshifts “ calibration of the weak lensing source redshift distributions with <i>redMaGiC</i> and BOSS/eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1223-1247.	4.4	36



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127	Search for RR Lyrae stars in DES ultrafaint systems: Grus <sup>1</sup> , Kim <sup>2</sup> , Phoenix <sup>3</sup> , and Grus <sup>4</sup> . Monthly Notices of the Royal Astronomical Society, 2019, 490, 2183-2199.	4.4	35
128	Cosmic void black hole mass measurements with the Australian Dark Energy Survey (OzDES). Monthly Notices of the Royal Astronomical Society, 2019, 487, 3650-3663.	4.4	35
129	Dark Energy Survey Year 3 Results: Deep Field optical+near-infrared images and catalogue. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3547-3579.	4.4	35
130	A Search for Kilonovae in the Dark Energy Survey. Astrophysical Journal, 2017, 837, 57.	4.5	34
131	Improving weak lensing mass map reconstructions using Gaussian and sparsity priors: application to DES SV. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2871-2888.	4.4	34
132	Limit on graviton mass from galaxy cluster Abell 1689. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 325-331.	4.1	34
133	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.	4.4	34
134	Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. Physical Review D, 2021, 103, .	4.7	34
135	Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2075-2104.	4.4	34
136	Reduced time delay for gravitational waves with dark matter emulators. Physical Review D, 2008, 77, .	4.7	33
137	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. Astrophysical Journal, Supplement Series, 2020, 246, 16.	7.7	33
138	Pushing automated morphological classifications to their limits with the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1927-1943.	4.4	33
139	A MULTIBAND STUDY OF THE GALAXY POPULATIONS OF THE FIRST FOUR SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTERS. Astrophysical Journal, 2011, 734, 3.	4.5	32
140	Classification of gamma-ray burst durations using robust model-comparison techniques. Astrophysics and Space Science, 2017, 362, 1.	1.4	32
141	Discovery of the Lensed Quasar System DES J0408-5354. Astrophysical Journal Letters, 2017, 838, L15.	8.3	32
142	Instrumental Response Model and Detrending for the Dark Energy Camera. Publications of the Astronomical Society of the Pacific, 2017, 129, 114502.	3.1	32
143	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.	4.4	32
144	Dark Energy Survey Year 3 results: galaxy clustering and systematics treatment for lens galaxy samples. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2665-2687.	4.4	31

#	ARTICLE	IF	CITATIONS
145	Galaxy Populations in Massive Galaxy Clusters to $z = 1.1$ : Color Distribution, Concentration, Halo Occupation Number and Red Sequence Fraction. Monthly Notices of the Royal Astronomical Society, 2017, 175.	4.4	30
146	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.	4.4	30
147	Combining Dark Energy Survey Science Verification data with near-infrared data from the ESO VISTA Hemisphere Survey. Monthly Notices of the Royal Astronomical Society, 2014, 446, 2523-2539.	4.4	29
148	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.	4.4	29
149	SOUTH POLE TELESCOPE DETECTIONS OF THE PREVIOUSLY UNCONFIRMED <i>PLANCK</i> EARLY SUNYAEV-ZELDOVICH CLUSTERS IN THE SOUTHERN HEMISPHERE. Astrophysical Journal Letters, 2011, 735, L36.	8.3	28
150	The evolution of active galactic nuclei in clusters of galaxies from the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2531-2539.	4.4	28
151	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. Astrophysical Journal, 2019, 872, 170.	4.5	28
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