

# 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	Classification of pulsars using Extreme Deconvolution. <i>New Astronomy</i> , 2022, 91, 101673.	1.8	5
2	Galaxy cluster hydrostatic bias in Kottler spacetime. <i>Physics of the Dark Universe</i> , 2022, 35, 100928.	4.9	0
3	Dark Energy Survey Year 3 results: galaxy clustering and systematics treatment for lens galaxy samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2665-2687.	4.4	31
4	Variational inference as an alternative to MCMC for parameter estimation and model selection. <i>Publications of the Astronomical Society of Australia</i> , 2022, 39, .	3.4	5
5	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 15.	7.7	21
6	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
7	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , 2022, 105, .	4.7	398
8	A test of galaxy cluster fundamental plane for the X-COP sample. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 058.	5.4	2
9	A test of the standard dark matter density evolution law using galaxy clusters and cosmic chronometers. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	5
10	Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2075-2104.	4.4	34
11	Galaxy morphology classification using neural ordinary differential equations. <i>Astronomy and Computing</i> , 2022, 38, 100543.	1.7	16
12	Search for cosmological time dilation from gamma-ray bursts – a 2021 status update. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 010.	5.4	9
13	Low-frequency wideband timing of InPTA pulsars observed with the uGMRT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1234-1243.	4.4	10
14	The Dark Energy Survey Bright Arcs Survey: Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey 5000 Square Degree Footprint. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 27.	7.7	4
15	The Observed Evolution of the Stellar Mass–Halo Mass Relation for Brightest Central Galaxies. <i>Astrophysical Journal</i> , 2022, 928, 28.	4.5	11
16	Finding quadruply imaged quasars with machine learning – I. Methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2407-2421.	4.4	9
17	Two dimensional clustering of Gamma-Ray Bursts using durations and hardness. <i>Astrophysics and Space Science</i> , 2022, 367, 1.	1.4	8
18	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , 2022, 929, 115.	4.5	9

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19	Optical variability of quasars with 20-yr photometric light curves. Monthly Notices of the Royal Astronomical Society, 2022, 514, 164-184.	4.4	24
20	Dark energy survey year 3 results: High-precision measurement and modeling of galaxy-galaxy lensing. Physical Review D, 2022, 105, .	4.7	22
21	The Dark Energy Survey supernova program: cosmological biases from supernova photometric classification. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1106-1127.	4.4	7
22	The dark energy survey 5-yr photometrically identified type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5159-5177.	4.4	8
23	Cross-correlation of Dark Energy Survey Year 3 lensing data with ACT and thermal Sunyaev-Zeldovich effect observations. II. Modeling and constraints on halo pressure profiles. Physical Review D, 2022, 105, .	4.7	12
24	Velocity dispersions of clusters in the Dark Energy Survey Y3 redMaPPer catalogue. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4696-4717.	4.4	3
25	A test of the evolution of gas depletion factor in galaxy clusters using strong gravitational lensing systems. European Physical Journal C, 2022, 82, .	3.9	3
26	Characterization of the GRB prompt fundamental plane using Fermi-GBM data. Journal of High Energy Astrophysics, 2022, 35, 77-82.	6.7	1
27	Milky Way Satellite Census. IV. Constraints on Decaying Dark Matter from Observations of Milky Way Satellite Galaxies. Astrophysical Journal, 2022, 932, 128.	4.5	16
28	Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. I. Evidence for Thermal Energy Anisotropy Using Oriented Stacking. Astrophysical Journal, 2022, 933, 134.	4.5	6
29	Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1942-1972.	4.4	27
30	pinta: The uGMRT data processing pipeline for the Indian Pulsar Timing Array. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	14
31	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.	4.4	19
32	Yet another test of Radial Acceleration Relation for galaxy clusters. Physics of the Dark Universe, 2021, 31, 100765.	4.9	21
33	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. Astrophysical Journal, Supplement Series, 2021, 252, 18.	7.7	56
34	A test of Alzain's modified inertia model for MOND using galaxy cluster observations. Journal of Astrophysics and Astronomy, 2021, 42, 1.	1.0	3
35	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.	4.4	20
36	Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. Physical Review D, 2021, 103, .	4.7	34

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37	The WazP galaxy cluster sample of the dark energy survey year 1. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4435-4456.	4.4	15
38	Constraints on the variation of fine structure constant from joint SPT-SZ and XMM-Newton observations. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 012-012.	5.4	23
39	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
40	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.	4.4	12
41	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. Physical Review Letters, 2021, 126, 091101.	7.8	144
42	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. Astrophysical Journal, 2021, 911, 109.	4.5	18
43	Dark energy survey year 3 results: weak lensing shape catalogue. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4312-4336.	4.4	77
44	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
45	A model-independent test of the evolution of gas depletion factor for SPT-SZ and Planck ESZ clusters. European Physical Journal C, 2021, 81, 1.	3.9	7
46	The first Hubble diagram and cosmological constraints using superluminous supernovae. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2535-2549.	4.4	18
47	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
48	Search for Lorentz Invariance Violation from stacked Gamma-Ray Burst spectral lag data. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 029.	5.4	20
49	Understanding the extreme luminosity of DES14X2fna. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3950-3967.	4.4	4
50	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. Astrophysical Journal, Supplement Series, 2021, 254, 24.	7.7	93
51	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.	4.4	17
52	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.	4.4	67
53	A test of cosmic distance duality relation using SPT-SZ galaxy clusters, Type Ia supernovae, and cosmic chronometers. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 052.	5.4	16
54	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.	4.4	5

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55	Assessing tension metrics with dark energy survey and Planck data. Monthly Notices of the Royal Astronomical Society, 2021, 505, 6179-6194.	4.4	37
56	High precision measurements of interstellar dispersion measure with the upgraded GMRT. Astronomy and Astrophysics, 2021, 651, A5.	5.1	10
57	The Dark Energy Survey Data Release 2. Astrophysical Journal, Supplement Series, 2021, 255, 20.	7.7	120
58	Probing the dark matter density evolution law with large scale structures. European Physical Journal C, 2021, 81, 1.	3.9	5
59	A Deeper Look at DES Dwarf Galaxy Candidates: Grus i and Indus ii. Astrophysical Journal, 2021, 916, 81.	4.5	14
60	Evidence for profile changes in PSR J1713+0747 using the uGMRT. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 507, L57-L61.	3.3	14
61	Dark Energy Survey year 3 results: covariance modelling and its impact on parameter estimation and quality of fit. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3125-3165.	4.4	39
62	A test of Radial Acceleration Relation for the Giles et al Chandra cluster sample. Physics of the Dark Universe, 2021, 33, 100854.	4.9	10
63	A test of constancy of dark matter halo surface density and radial acceleration relation in relaxed galaxy groups. Physics of the Dark Universe, 2021, 33, 100874.	4.9	7
64	The mass and galaxy distribution around SZ-selected clusters. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5758-5779.	4.4	20
65	Bayesian analysis of time dependence of DAMA annual modulation amplitude. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 022.	5.4	3
66	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
67	DES Y1 results: Splitting growth and geometry to test $\Omega_m$ CDM. Physical Review D, 2021, 103, .	4.7	16
68	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.	4.4	42
69	Galaxy-galaxy lensing with the DES-CMASS catalogue: measurement and constraints on the galaxy-matter cross-correlation. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2033-2047.	4.4	6
70	Dark Energy Survey Year 3 results: galaxy sample for BAO measurement. Monthly Notices of the Royal Astronomical Society, 2021, 509, 778-799.	4.4	8
71	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
72	Galaxy clusters, cosmic chronometers and the Einstein equivalence principle. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 084.	5.4	3

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73	Probing gravity with the DES-CMASS sample and BOSS spectroscopy. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4982-4996.	4.4	9
74	Synthetic galaxy clusters and observations based on Dark Energy Survey Year 3 Data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4865-4885.	4.4	1
75	A search for the variation of speed of light using galaxy cluster gas mass fraction measurements. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 034.	5.4	11
76	Dark Energy Survey Year 3 Results: clustering redshifts calibration of the weak lensing source redshift distributions with <i>redMaGiC</i> and BOSS/eBOSS. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1223-1247.	4.4	36
77	Dark Energy Survey Year 3 results: galaxy halo connection from galaxy galaxy lensing. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3119-3147.	4.4	18
78	The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star Black Hole Merger GW190814. Astrophysical Journal, 2021, 923, 258.	4.5	19
79	Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock. Astrophysical Journal, 2021, 923, 37.	4.5	20
80	The DES view of the Eridanus supervoid and the CMB cold spot. Monthly Notices of the Royal Astronomical Society, 2021, 510, 216-229.	4.4	14
81	An independent search for annual modulation and its significance in ANAIS-112 data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	4
82	Modelling the Milky Way I. Method and first results fitting the thick disc and halo with DES-Y3 data. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1547-1562.	4.4	15
83	Scaling relations for dark matter core density and radius from Chandra X-ray cluster sample. Physics of the Dark Universe, 2020, 30, 100707.	4.9	8
84	Model comparison tests of modified gravity from the Eöt-Wash experiment. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 006-006.	5.4	12
85	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
86	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
87	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.	4.4	8
88	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
89	Blinding multiprobe cosmological experiments. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4454-4470.	4.4	22
90	The impact of spectroscopic incompleteness in direct calibration of redshift distributions for weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4769-4786.	4.4	20

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91	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
92	Spectral variability of a sample of extreme variability quasars and implications for the Mg broad-line region. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5773-5787.	4.4	18
93	Optical follow-up of gravitational wave triggers with DECam during the first two LIGO/VIRGO observing runs. Astronomy and Computing, 2020, 33, 100425.	1.7	9
94	$\hat{M}$ 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.	4.4	8
95	Generalized Lomb–Scargle analysis of $\gamma$ and $m\mathrm{Tc}$ decay rate measurements. European Physical Journal C, 2020, 80, 1.	3.9	0
96	Recent bounds on graviton mass using galaxy clusters. Journal of Physics: Conference Series, 2020, 1468, 012003.	0.4	1
97	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.	4.4	6
98	Noise from undetected sources in Dark Energy Survey images. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2529-2539.	4.4	10
99	Validation of selection function, sample contamination and mass calibration in galaxy cluster samples. Monthly Notices of the Royal Astronomical Society, 2020, 498, 771-798.	4.4	12
100	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.	4.4	10
101	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.	4.4	28
102	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.	4.4	140
103	Constraining radio mode feedback in galaxy clusters with the cluster radio AGNs properties to $z < 1$ . Monthly Notices of the Royal Astronomical Society, 2020, 494, 1705-1723.	4.4	6
104	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
105	The mystery of photometric twins DES17X1boj and DES16E2bjy. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5576-5589.	4.4	5
106	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.	4.4	24
107	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4860-4892.	4.4	12
108	DES16C3cje: A low-luminosity, long-lived supernova. Monthly Notices of the Royal Astronomical Society, 2020, 496, 95-110.	4.4	8

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109	Detection of Cross-Correlation between Gravitational Lensing and $\langle \delta^3 \rangle$ . Physical Review Letters, 2020, 124, 101102.	7.8	16
110	A meta-analysis of neutron lifetime measurements. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	6
111	Robust model comparison tests of DAMA/LIBRA annual modulation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 007-007.	5.4	15
112	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. Physical Review D, 2020, 102, .	4.7	140
113	Galaxy cluster hydrostatic masses using Tolman–Oppenheimer–Volkoff equation. Physics of the Dark Universe, 2020, 28, 100499.	4.9	6
114	Weak lensing of Type Ia Supernovae from the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4051-4059.	4.4	7
115	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. Astrophysical Journal, Supplement Series, 2020, 246, 16.	7.7	33
116	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
117	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.	4.4	19
118	Dark Energy Survey year 3 results: point spread function modelling. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1282-1299.	4.4	41
119	Generalized Lomb–Scargle analysis of $\mathcal{C}_l$ decay rate measurements at PTB and BNL. European Physical Journal C, 2020, 80, 1.	3.9	3
120	Model comparison of $\Lambda$ CDM vs $R_h=ct$ using cosmic chronometers. European Physical Journal C, 2020, 80, 1.	3.9	21
121	Milky Way Satellite Census. II. Galaxy–Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. Astrophysical Journal, 2020, 893, 48.	4.5	101
122	Dust Reverberation Mapping in Distant Quasars from Optical and Mid-infrared Imaging Surveys. Astrophysical Journal, 2020, 900, 58.	4.5	22
123	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.	4.5	28
124	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. Astrophysical Journal, 2020, 903, 75.	4.5	8
125	The SPTpol Extended Cluster Survey. Astrophysical Journal, Supplement Series, 2020, 247, 25.	7.7	101
126	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.	8.3	74



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127	The Diffuse Light Envelope of Luminous Red Galaxies. <i>Research Notes of the AAS</i> , 2020, 4, 174.	0.7	0
128	Looking for ancillary signals around GW150914. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 007-007.	5.4	1
129	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
130	Constraints on differential Shapiro delay between neutrinos and photons from IceCube-170922A. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	13
131	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.	4.4	109
132	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.	4.4	19
133	Search for RR Lyrae stars in DES ultrafaint systems: Grus <sup>1</sup> , Kim <sup>2</sup> , Phoenix <sup>1</sup> , and Grus <sup>1</sup> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2183-2199.	4.4	35
134	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.	4.4	15
135	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. <i>Physical Review Letters</i> , 2019, 123, 181301.	7.8	12
136	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> , 2019, 489, 5453-5482.	4.4	62
137	Producing a BOSS CMASS sample with DES imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2887-2906.	4.4	19
138	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.	4.4	32
139	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.	4.4	52
140	Dark Energy Survey Year 1 results: the effect of intracluster light on photometric redshifts for weak gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4389-4399.	4.4	7
141	HOLICOW <sup>1</sup> . Spectroscopic/imaging survey and galaxy-group identification around the strong gravitational lens system WFI <sup>2033</sup> ~4723. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 613-633.	4.4	24
142	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.	4.4	21
143	<sup>1</sup> 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.	4.4	35
144	Cosmological lensing ratios with DES Y1, SPT, and Planck. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1363-1379.	4.4	16

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145	A new RASS galaxy cluster catalogue with low contamination extending to $z \approx 1$ in the DES overlap region. Monthly Notices of the Royal Astronomical Society, 2019, 488, 739-769.	4.4	44
146	Superluminous supernovae from the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2215-2241.	4.4	67
147	Three new VHS DES quasars at $z \approx 6.7$ and $z \approx 6.9$ and emission line properties at $z \approx 6.5$ . Monthly Notices of the Royal Astronomical Society, 2019, 487, 1874-1885.	4.4	64
148	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
149	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.	4.7	16
150	Cluster Cosmology Constraints from the $2500 \text{ deg}^2$ SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. Astrophysical Journal, 2019, 878, 55.	4.5	211
151	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
152	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
153	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
154	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift $z \approx 0.25$ . Astrophysical Journal, 2019, 874, 165.	4.5	65
155	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
156	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. Physical Review Letters, 2019, 122, 171301.	7.8	86
157	Bound on the graviton mass from Chandra x-ray cluster sample. Classical and Quantum Gravity, 2019, 36, 105001.	4.0	9
158	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.	8.3	179
159	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
160	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.	4.4	21
161	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
162	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. Astrophysical Journal Letters, 2019, 873, L24.	8.3	14

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