Yuanyuan Zhang

List of Publications by Year
in descending order

52 papers	4,466 citations	159585 30 h-index	197818 49 g-index
52 all docs	52 docs citations	52 times ranked	4421 citing authors

#	Article	IF	Citations
1	The effect of selection â€" a tale of cluster mass measurement bias induced by correlation and projection. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 511, L30-L34.	3.3	4
2	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. Astrophysical Journal, Supplement Series, 2022, 258, 15.	7.7	21
3	The Observed Evolution of the Stellar Massâ€"Halo Mass Relation for Brightest Central Galaxies. Astrophysical Journal, 2022, 928, 28.	4.5	11
4	Estimating cluster masses from SDSS multiband images with transfer learning. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3885-3894.	4.4	6
5	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. Astrophysical Journal, Supplement Series, 2021, 252, 18.	7.7	56
6	The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaevâ€"Zelâ€™dovich Galaxy Clusters. Astrophysical Journal, Supplement Series, 2021, 253, 3.	7.7	118
7	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. Astrophysical Journal, 2021, 911, 109.	4.5	18
8	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
9	The Dark Energy Survey Data Release 2. Astrophysical Journal, Supplement Series, 2021, 255, 20.	7.7	120
10	A deep learning view of the census of galaxy clusters in IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5620-5628.	4.4	19
11	Î¼â€¡ 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
12	Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1308-1322.	4.4	6
13	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
14	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. Physical Review D, 2020, 102, .	4.7	140
15	Stellar splashback: the edge of the intracluster light. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4181-4192.	4.4	22
16	Is diffuse intracluster light a good tracer of the galaxy cluster matter distribution?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1300-1315.	4.4	24
17	The SPTpol Extended Cluster Survey. Astrophysical Journal, Supplement Series, 2020, 247, 25.	7.7	101
18	The Diffuse Light Envelope of Luminous Red Galaxies. Research Notes of the AAS, 2020, 4, 174.	0.7	0

#	Article	IF	Citations
19	Galaxies in X-ray selected clusters and groups in Dark Energy Survey data – II. Hierarchical Bayesian modelling of the red-sequence galaxy luminosity function. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1-17.	4.4	8
20	Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4779-4800.	4.4	82
21	Dark Energy Survey Year 1 results: validation of weak lensing cluster member contamination estimates from P(z) decomposition. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2511-2524.	4.4	19
22	Mass variance from archival X-ray properties of Dark Energy Survey Year-1 galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3341-3354.	4.4	15
23	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. Physical Review Letters, 2019, 123, 181301.	7.8	12
24	An Extended Catalog of Galaxy–Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. Astrophysical Journal, Supplement Series, 2019, 243, 17.	7.7	77
25	Dark Energy Survey Year 1 results: the effect of intracluster light on photometric redshifts for weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4389-4399.	4.4	7
26	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
27	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
28	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift~0.25. Astrophysical Journal, 2019, 874, 165.	4.5	65
29	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
30	Modelling projection effects in optically selected cluster catalogues. Monthly Notices of the Royal Astronomical Society, 2019, 482, 490-505.	4.4	48
31	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. Astrophysical Journal Letters, 2019, 872, L30.	8.3	201
32	Dark Energy Survey Year 1 results: weak lensing mass calibration of redMaPPer galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1352-1378.	4.4	135
33	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. Astrophysical Journal, Supplement Series, 2018, 235, 33.	7.7	192
34	A measurement of CMB cluster lensing with SPT and DES year 1 data. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2674-2688.	4.4	41
35	The Dark Energy Survey: Data Release 1. Astrophysical Journal, Supplement Series, 2018, 239, 18.	7.7	455
36	Dark Energy Survey Year 1 results: weak lensing shape catalogues. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1149-1182.	4.4	144

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37	The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles. Astrophysical Journal, 2018, 864, 83.	4.5	69
38	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. Physical Review D, 2018, 98, .	4.7	751
39	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
40	Weak-lensing mass calibration of redMaPPer galaxy clusters in Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4899-4920.	4.4	87
41	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1431-1450.	4.4	156
42	MAPPING AND SIMULATING SYSTEMATICS DUE TO SPATIALLY VARYING OBSERVING CONDITIONS IN DES SCIENCE VERIFICATION DATA. Astrophysical Journal, Supplement Series, 2016, 226, 24.	7.7	47
43	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. Astrophysical Journal, Supplement Series, 2016, 224, 1.	7.7	233
44	OBSERVATION AND CONFIRMATION OF SIX STRONG-LENSING SYSTEMS IN THE DARK ENERGY SURVEY SCIENCE VERIFICATION DATA*. Astrophysical Journal, 2016, 827, 51.	4.5	21
45	The dark energy survey and operations: years 1 to 3. Proceedings of SPIE, 2016, , .	0.8	23
46	GALAXIES IN X-RAY SELECTED CLUSTERS AND GROUPS IN DARK ENERGY SURVEY DATA. I. STELLAR MASS GROWTH OF BRIGHT CENTRAL GALAXIES SINCE z â¼¼ 1.2. Astrophysical Journal, 2016, 816, 98.	4.5	43
47	No galaxy left behind: accurate measurements with the faintest objects in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2016, 457, 786-808.	4.4	71
48	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. Astrophysical Journal, 2015, 813, 109.	4.5	405
49	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1260-1265.	4.4	41
50	Orientation bias of optically selected galaxy clusters and its impact on stacked weak-lensing analyses. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1713-1722.	4.4	49
51	Incorporating Galaxy Cluster Triaxiality in Stacked Cluster Weak Lensing Analyses. , 1900, , .		0
52	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, 0, , stx175.	4.4	30