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List of Publications by Year
in descending order

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49 papers	3,902 citations	136950 32 h-index	206112 48 g-index
49 all docs	49 docs citations	49 times ranked	3367 citing authors

#	Article	IF	Citations
1	A Census of the Bright z = 8.5â€“11 Universe with the Hubble and Spitzer Space Telescopes in the CANDELS Fields. Astrophysical Journal, 2022, 928, 52.	4.5	57
2	3D-DASH: The Widest Near-infrared Hubble Space Telescope Survey. Astrophysical Journal, 2022, 933, 129.	4.5	6
3	Merging Things Together: Merger Pair Analysis from the IllustrisTNG Simulation Suite. Research Notes of the AAS, 2021, 5, 45.	0.7	1
4	DeepMerge â€“ II. Building robust deep learning algorithms for merging galaxy identification across domains. Monthly Notices of the Royal Astronomical Society, 2021, 506, 677-691.	4.4	23
5	powderday: Dust Radiative Transfer for Galaxy Simulations. Astrophysical Journal, Supplement Series, 2021, 252, 12.	7.7	35
6	Are All Post-starbursts Mergers? HST Reveals Hidden Disturbances in the Majority of PSBs. Astrophysical Journal, 2021, 919, 134.	4.5	28
7	The Massâ€“Metallicity Relation at z âˆ¼ 1â€“2 and Its Dependence on the Star Formation Rate. Astrophysical Journal, 2021, 919, 143.	4.5	17
8	Stellar masses of giant clumps in CANDELS and simulated galaxies using machine learning. Monthly Notices of the Royal Astronomical Society, 2020, 499, 814-835.	4.4	27
9	DeepMerge: Classifying high-redshift merging galaxies with deep neural networks. Astronomy and Computing, 2020, 32, 100390.	1.7	27
10	The nature of giant clumps in high-z discs: a deep-learning comparison of simulations and observations. Monthly Notices of the Royal Astronomical Society, 2020, 501, 730-746.	4.4	11
11	The Morphologyâ€“Density Relationship in 1Â<ÂzÂ<Â2 Clusters. Astrophysical Journal, 2020, 899, 85.	4.5	20
12	Investigating the Effect of Galaxy Interactions on the Enhancement of Active Galactic Nuclei at 0.5Â<ÂzÂ<Â3.0. Astrophysical Journal, 2020, 904, 107.	4.5	30
13	Figuring Out Gas & Galaxies in Enzo (FOGGIE). IV. The Stochasticity of Ram Pressure Stripping in Galactic Halos. Astrophysical Journal, 2020, 905, 167.	4.5	24
14	Indirectly Measuring Stellar Velocity Dispersions in High-redshift Disk Galaxies. Research Notes of the AAS, 2020, 4, 203.	0.7	0
15	The Hubble Sequence at z âˆ¼ 0 in the IllustrisTNG simulation with deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1859-1879.	4.4	51
16	Automated distant galaxy merger classifications from Space Telescope images using the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3702-3720.	4.4	38
17	Studying the physical properties of tidal features â€“ I. Extracting morphological substructure in CANDELS observations and VELA simulations. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2643-2659.	4.4	12
18	Observational Constraints on the Merger History of Galaxies since zÂâ‰ˆÂ6: Probabilistic Galaxy Pair Counts in the CANDELS Fields. Astrophysical Journal, 2019, 876, 110.	4.5	114

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19	Distinguishing Mergers and Disks in High-redshift Observations of Galaxy Kinematics. Astrophysical Journal, 2019, 874, 59.	4.5	47
20	The optical morphologies of galaxies in the IllustrisTNG simulation: a comparison to Pan-STARRS observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4140-4159.	4.4	236
21	Galaxy Inclination and the IRXâ€“Î² Relation: Effects on UV Star Formation Rate Measurements at Intermediate to High Redshifts. Astrophysical Journal, 2018, 869, 161.	4.5	18
22	The power of infrared AGN selection in mergers: a theoretical study. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3056-3071.	4.4	113
23	Major merging history in CANDELS. I. Evolution of the incidence of massive galaxyâ€“galaxy pairs from zÂ=Â3 to zÂâˆ¼Â0. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1549-1573.	4.4	65
24	Galaxy Zoo: Morphological Classification of Galaxy Images from the Illustris Simulation. Astrophysical Journal, 2018, 853, 194.	4.5	20
25	Deep Learning Identifies High-z Galaxies in a Central Blue Nugget Phase in a Characteristic Mass Range. Astrophysical Journal, 2018, 858, 114.	4.5	70
26	THE EVOLUTION OF STAR FORMATION ACTIVITY IN CLUSTER GALAXIES OVER 0.15Â<ÂzÂ<Â1.5. Astrophysical Journal, 2017, 834, 53.	4.5	18
27	The role of mergers and halo spin in shaping galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3083-3098.	4.4	134
28	zÂâˆ¼Â2: An Epoch of Disk Assembly. Astrophysical Journal, 2017, 843, 46.	4.5	89
29	Massive close pairs measure rapid galaxy assembly in mergers at high redshift. Monthly Notices of the Royal Astronomical Society, 2017, 468, 207-216.	4.4	68
30	Beyond spheroids and discs: classifications of CANDELS galaxy structure at 1.4 <<i>z</i>< 2 via principal component analysis. Monthly Notices of the Royal Astronomical Society, 2016, 458, 963-987.	4.4	38
31	Recoiling black holes: prospects for detection and implications of spin alignment. Monthly Notices of the Royal Astronomical Society, 2016, 456, 961-989.	4.4	90
32	STAR FORMATION AND AGN ACTIVITY IN GALAXY CLUSTERS FROM z = 1â€“2: A MULTI-WAVELENGTH ANALYSIS FEATURING HERSCHEL/PACS. Astrophysical Journal, 2016, 825, 72.	4.5	68
33	Galaxy morphology and star formation in the Illustris Simulation at<i>z</i>Â=Â0. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1886-1908.	4.4	155
34	GALACTIC ANGULAR MOMENTUM IN THE ILLUSTRIS SIMULATION: FEEDBACK AND THE HUBBLE SEQUENCE. Astrophysical Journal Letters, 2015, 804, L40.	8.3	174
35	The formation of massive, compact galaxies at zÂ=Â2 in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 361-372.	4.4	187
36	The Illustris simulation: the evolving population of black holes across cosmic time. Monthly Notices of the Royal Astronomical Society, 2015, 452, 575-596.	4.4	452

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37	STAR FORMATION IN HIGH-REDSHIFT CLUSTER ELLIPTICALS. Astrophysical Journal, 2015, 800, 107.	4.5	13
38	Diverse structural evolution atzÂ>Â1 in cosmologically simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4290-4310.	4.4	54
39	Synthetic galaxy images and spectra from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2753-2771.	4.4	106
40	The illustris simulation: Public data release. Astronomy and Computing, 2015, 13, 12-37.	1.7	412
41	The evolution of dust-obscured star formation activity in galaxy clusters relative to the field over the last 9 billion yearsâ˜¼. Monthly Notices of the Royal Astronomical Society, 2014, 437, 437-457.	4.4	83
42	MODELING MID-INFRARED DIAGNOSTICS OF OBSCURED QUASARS AND STARBURSTS. Astrophysical Journal, 2013, 768, 168.	4.5	41
43	THE ERA OF STAR FORMATION IN GALAXY CLUSTERS. Astrophysical Journal, 2013, 779, 138.	4.5	166
44	HÎ± STAR FORMATION RATES OFz> 1 GALAXY CLUSTERS IN THE IRAC SHALLOW CLUSTER SURVEY. Astrophysical Journal, 2013, 779, 137.	4.5	50
45	ASSEMBLY OF THE RED SEQUENCE IN INFRARED-SELECTED GALAXY CLUSTERS FROM THE IRAC SHALLOW CLUSTER SURVEY. Astrophysical Journal, 2012, 756, 114.	4.5	61
46	IDCS J1426.5+3508: DISCOVERY OF A MASSIVE, INFRARED-SELECTED GALAXY CLUSTER ATz= 1.75. Astrophysical Journal, 2012, 753, 164.	4.5	125
47	IDCS J1426.5+3508: SUNYAEV-ZELâ€™DOVICH MEASUREMENT OF A MASSIVE INFRARED-SELECTED CLUSTER ATz= 1.75. Astrophysical Journal, 2012, 753, 162.	4.5	55
48	IDCS J1433.2+3306: AN INFRARED-SELECTED GALAXY CLUSTER ATz= 1.89. Astrophysical Journal, 2012, 756, 115.	4.5	67
49	K+A GALAXIES AS THE AFTERMATH OF GAS-RICH MERGERS: SIMULATING THE EVOLUTION OF GALAXIES AS SEEN BY SPECTROSCOPIC SURVEYS. Astrophysical Journal, 2011, 741, 77.	4.5	106