

Daniel Lam

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

936
citations

430874

18
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019, 884, 85.	4.5	141
2	A GEOMETRICALLY SUPPORTED $z \sim 10$ CANDIDATE MULTIPLY IMAGED BY THE HUBBLE FRONTIER FIELDS CLUSTER A2744. <i>Astrophysical Journal Letters</i> , 2014, 793, L12.	8.3	114
3	Extremely Small Sizes for Faint $z \sim 8$ Galaxies in the Hubble Frontier Fields: A Key Input for Establishing Their Volume Density and UV Emissivity. <i>Astrophysical Journal</i> , 2017, 843, 41.	4.5	71
4	ILLUMINATING A DARK LENS: A TYPE Ia SUPERNOVA MAGNIFIED BY THE FRONTIER FIELDS GALAXY CLUSTER ABELL 2744. <i>Astrophysical Journal</i> , 2015, 811, 70.	4.5	67
5	RELICS: The Reionization Lensing Cluster Survey and the Brightest High- z Galaxies. <i>Astrophysical Journal</i> , 2020, 889, 189.	4.5	58
6	RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2018, 859, 159.	4.5	55
7	A free-form prediction for the reappearance of supernova Refsdal in the Hubble Frontier Fields cluster MACSJ1149.5+2223. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 356-365.	4.4	53
8	Free-form lensing implications for the collision of dark matter and gas in the frontier fields cluster MACSJ0416.1+2403. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3130-3149.	4.4	50
9	A RIGOROUS FREE-FORM LENS MODEL OF A2744 TO MEET THE HUBBLE FRONTIER FIELDS CHALLENGE. <i>Astrophysical Journal</i> , 2014, 797, 98.	4.5	46
10	The mean $H\alpha$ EW and Lyman-continuum photon production efficiency for faint $z \sim 4-5$ galaxies. <i>Astronomy and Astrophysics</i> , 2019, 627, A164.	5.1	41
11	Hubble Frontier Field free-form mass mapping of the massive multiple-merging cluster MACSJ0717.5+3745. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3920-3932.	4.4	39
12	A free-form mass model of the Hubble Frontier Fields cluster AS1063 (RXC J2248.7+4431) with over one hundred constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3447-3459.	4.4	38
13	A free-form lensing model of A370 revealing stellar mass dominated BCGs, in Hubble Frontier Fields images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4279-4296.	4.4	33
14	RELICS: Strong Lensing Analysis of MACS J0417.5+1154 and Predictions for Observing the Magnified High-redshift Universe with JWST. <i>Astrophysical Journal</i> , 2019, 873, 96.	4.5	27
15	RELICS: Strong-lensing Analysis of the Massive Clusters MACS J0308.9+2645 and PLCK G171.9+40.7. <i>Astrophysical Journal</i> , 2018, 858, 42.	4.5	26
16	RELICS: Strong Lensing Analysis of the Galaxy Clusters Abell S295, Abell 697, MACS J0025.4-1222, and MACS J0159.8-0849. <i>Astrophysical Journal</i> , 2018, 863, 145.	4.5	24
17	RELICS: A Strong Lens Model for SPT-CLJ0615+5746, a $z \sim 0.972$ Cluster. <i>Astrophysical Journal</i> , 2018, 863, 154.	4.5	23
18	RELICS: High-resolution Constraints on the Inner Mass Distribution of the $z \sim 0.83$ Merging Cluster RXJ0152.7-1357 from Strong Lensing. <i>Astrophysical Journal</i> , 2019, 874, 132.	4.5	18

#	ARTICLE	IF	CITATIONS
19	RELICS: A Very Large ($\sim 1/4^{\circ}$) Cluster Lens RXC J0032.1+1808. <i>Astrophysical Journal</i> , 2020, 898, 6.	4.5	10
20	A New Approach to Free-form Cluster Lens Modeling Inspired by the JPEG Image Compression Method. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 114505.	3.1	2