

# Daniel Lam

## List of Publications by Year in descending order

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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: The Reionization Lensing Cluster Survey and the Brightest High-z Galaxies. <i>Astrophysical Journal</i> , 2020, 889, 189.	4.5	58
2	RELICS: A Very Large ( $\hat{r}_{E<sub>E</sub>}\hat{A}^{\wedge}1/4\hat{A}40\hat{A}^{\wedge}3$ ) Cluster Lensâ€”RXC J0032.1+1808. <i>Astrophysical Journal</i> , 2020, 898, 6.	4.5	10
3	The mean $H\pm</i>EW$ and Lyman-continuum photon production efficiency for faint $z</i>\hat{A}^{\wedge}4\hat{A}^{\wedge}5$ galaxies. <i>Astronomy and Astrophysics</i> , 2019, 627, A164.	5.1	41
4	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
5	RELICS: Strong Lensing Analysis of MACS J0417.5â€”1154 and Predictions for Observing the Magnified High-redshift Universe with JWST. <i>Astrophysical Journal</i> , 2019, 873, 96.	4.5	27
6	RELICS: High-resolution Constraints on the Inner Mass Distribution of the $z\hat{A}^{\wedge}0.83$ Merging Cluster RXJ0152.7-1357 from Strong Lensing. <i>Astrophysical Journal</i> , 2019, 874, 132.	4.5	18
7	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019, 884, 85.	4.5	141
8	RELICS: Strong-lensing Analysis of the Massive Clusters MACS J0308.9+2645 and PLCK G171.9â€”40.7. <i>Astrophysical Journal</i> , 2018, 858, 42.	4.5	26
9	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
10	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
11	RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2018, 859, 159.	4.5	55
12	RELICS: A Strong Lens Model for SPT-CLJ0615â€”5746, a $z\hat{A}^{\wedge}0.972$ Cluster. <i>Astrophysical Journal</i> , 2018, 863, 154.	4.5	23
13	Extremely Small Sizes for Faint $z\hat{A}^{\wedge}1/4\hat{A}2\hat{A}^{\wedge}8$ 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
14	A free-form mass model of the Hubble Frontier Fields cluster AS1063 (RXC J2248.7â€”4431) with over one hundred constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3447-3459.	4.4	38
15	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
16	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
17	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
18	Free-form lensing implications for the collision of dark matter and gas in the frontier fields cluster MACSJ0416.1â€”2403. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3130-3149.	4.4	50

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19	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
20	A GEOMETRICALLY SUPPORTED $z \approx 1/4$ 10 CANDIDATE MULTIPLY IMAGED BY THE HUBBLE FRONTIER FIELDS CLUSTER A2744. <i>Astrophysical Journal Letters</i> , 2014, 793, L12.	8.3	114