Traci L Johnson

List of Publications by Year
in descending order

31 papers	1,210 citations	361413 20 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	1236 citing authors

#	Article	IF	Citations
1	LENS MODELS AND MAGNIFICATION MAPS OF THE SIX HUBBLE FRONTIER FIELDS CLUSTERS. Astrophysical Journal, 2014, 797, 48.	4.5	163
2	RELICS: Reionization Lensing Cluster Survey. Astrophysical Journal, 2019, 884, 85.	4.5	141
3	THE PHYSICAL CONDITIONS, METALLICITY AND METAL ABUNDANCE RATIOS IN A HIGHLY MAGNIFIED GALAXY AT z = 3.6252. Astrophysical Journal, 2014, 790, 144.	4.5	85
4	ILLUMINATING A DARK LENS: A TYPE Ia SUPERNOVA MAGNIFIED BY THE FRONTIER FIELDS GALAXY CLUSTER ABELL 2744. Astrophysical Journal, 2015, 811, 70.	4.5	67
5	THE SYSTEMATICS OF STRONG LENS MODELING QUANTIFIED: THE EFFECTS OF CONSTRAINT SELECTION AND REDSHIFT INFORMATION ON MAGNIFICATION, MASS, AND MULTIPLE IMAGE PREDICTABILITY. Astrophysical Journal, 2016, 832, 82.	4.5	66
6	Star Formation at z = 2.481 in the Lensed Galaxy SDSS J1110+6459: Star Formation Down to 30 pc Scales[∗]. Astrophysical Journal Letters, 2017, 843, L21.	8.3	66
7	C III] EMISSION IN STAR-FORMING GALAXIES NEAR AND FAR. Astrophysical Journal Letters, 2015, 814, L6.	8.3	64
8	RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. Astrophysical Journal, 2018, 859, 159.	4.5	55
9	REVISED LENS MODEL FOR THE MULTIPLY IMAGED LENSED SUPERNOVA, â€œSN REFSDALâ€•IN MACS J1149+2223. Astrophysical Journal Letters, 2015, 800, L26.	8.3	52
10	Strong Lens Models for 37 Clusters of Galaxies from the SDSS Giant Arcs Survey*. Astrophysical Journal, Supplement Series, 2020, 247, 12.	7.7	45
11	The Magellan Evolution of Galaxies Spectroscopic and Ultraviolet Reference Atlas (MegaSaura). I. The Sample and the Spectra. Astronomical Journal, 2018, 155, 104.	4.7	43
12	LINE-OF-SIGHT STRUCTURE TOWARD STRONG LENSING GALAXY CLUSTERS. Astrophysical Journal, 2014, 783, 41.	4.5	40
13	The Magellan Evolution of Galaxies Spectroscopic and Ultraviolet Reference Atlas (MegaSaura). II. Stacked Spectra. Astrophysical Journal, 2018, 853, 87.	4.5	33
14	Star Formation at zÂ=Â2.481 in the Lensed Galaxy SDSS J1110+6459. II. What is Missed at the Normal Resolution of the Hubble Space Telescope?. Astrophysical Journal, 2017, 843, 79.	4.5	30
15	Star Formation at zÂ=Â2.481 in the Lensed Galaxy SDSS J1110Â=Â6459. I. Lens Modeling and Source Reconstruction[∗]. Astrophysical Journal, 2017, 843, 78.	4.5	28
16	RELICS: Strong Lensing Analysis of MACS J0417.5â€"1154 and Predictions for Observing the Magnified High-redshift Universe with JWST. Astrophysical Journal, 2019, 873, 96.	4.5	27
17	LENS MODEL AND TIME DELAY PREDICTIONS FOR THE SEXTUPLY LENSED QUASAR SDSS J2222+2745*. Astrophysical Journal, 2017, 835, 5.	4.5	26
18	RELICS: Strong-lensing Analysis of the Massive Clusters MACS J0308.9+2645 and PLCK G171.9â^'40.7. Astrophysical Journal, 2018, 858, 42.	4.5	26

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19	RELICS: Strong Lensing Analysis of the Galaxy Clusters Abell S295, Abell 697, MACS J0025.4-1222, and MACS J0159.8-0849. Astrophysical Journal, 2018, 863, 145.	4.5	24
20	RELICS: A Strong Lens Model for SPT-CLJ0615â€"5746, a zÂ=Â0.972 Cluster. Astrophysical Journal, 2018, 863, 154.	4.5	23
21	THE MASS DISTRIBUTION OF THE STRONG LENSING CLUSTER SDSS J1531+3414. Astrophysical Journal, 2014, 795, 50.	4.5	20
22	RELICS: High-resolution Constraints on the Inner Mass Distribution of the zÂ=Â0.83 Merging Cluster RXJ0152.7-1357 from Strong Lensing. Astrophysical Journal, 2019, 874, 132.	4.5	18
23	RELICS: spectroscopy of gravitationally lensed <i>z</i> â‰ƒ 2 reionization-era analogues and implications for Câ‰<scp>iii</scp>] detections at <i>z</i> &gt; 6. Monthly Notices of the Royal Astronomical Society, 2020, 494, 719-735.	4.4	18
24	A Comparison of Rest-frame Ultraviolet and Optical Emission-line Diagnostics in the Lensed Galaxy SDSSÂJ1723+3411 at Redshift zÂ=Â1.3293. Astrophysical Journal, 2021, 908, 154.	4.5	12
25	Spatially Resolved Patchy LyÎ± Emission within the Central Kiloparsec of a Strongly Lensed Quasar Host Galaxy at zÂ=Â2.8. Astrophysical Journal Letters, 2017, 845, L14.	8.3	10
26	RELICS: A Very Large (θ_EÂâˆ¼Â40â€³) Cluster Lensâ€"RXC J0032.1+1808. Astrophysical Journal, 2020, 898, 6.	4.5	10
27	Spatial Variation in Strong Line Ratios and Physical Conditions in Two Strongly Lensed Galaxies at zÂâˆ¼Â1.4. Astrophysical Journal, 2021, 916, 50.	4.5	8
28	QUANTIFYING THE IMPACT OF COSMOLOGICAL PARAMETER UNCERTAINTIES ON STRONG-LENSING MODELS WITH AN EYE TOWARD THE FRONTIER FIELDS. Astrophysical Journal Letters, 2015, 802, L9.	8.3	7
29	Lens Model and Source Reconstruction Reveal the Morphology and Star Formation Distribution in the Cool Spiral LIRG SGAS J143845.1+145407. Astrophysical Journal, 2019, 875, 18.	4.5	3
30	Systematics errors in strong lens modeling. Proceedings of the International Astronomical Union, 2015, 11, 791-792.	0.0	0
31	Strong Lensing Mass Reconstruction: from Frontier Fields to the Typical Lensing Clusters of Future Surveys. Proceedings of the International Astronomical Union, 2015, 11, 793-794.	0.0	0