

William Dawson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,949
citations

20
h-index

43
g-index

43
ext. papers

2,634
ext. citations

5
avg, IF

4.22
L-index

#	Paper	IF	Citations
43	A Reanalysis of Public Galactic Bulge Gravitational Microlensing Events from OGLE-III and -IV. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 260, 2	8	0
42	RELICS: Properties of $z \sim 5.5$ Galaxies Inferred from Spitzer and Hubble Imaging, Including A Candidate $z \sim 6.8$ Strong [O iii] emitter. <i>Astrophysical Journal</i> , 2021 , 910, 135	4.7	4
41	Exemplary Merging Clusters: Weak-lensing and X-Ray Analysis of the Double Radio Relic, Merging Galaxy Clusters MACS J1752.0+4440 and ZWCL 1856.8+6616. <i>Astrophysical Journal</i> , 2021 , 918, 72	4.7	3
40	Gravitational Microlensing Event Statistics for the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020 , 897, 144	4.7	2
39	RELICS: The Reionization Lensing Cluster Survey and the Brightest High- z Galaxies. <i>Astrophysical Journal</i> , 2020 , 889, 189	4.7	25
38	PopSyCLE: A New Population Synthesis Code for Compact Object Microlensing Events. <i>Astrophysical Journal</i> , 2020 , 889, 31	4.7	11
37	RELICS: A Very Large ($\mathbb{E} \sim 40?$) Cluster Lens BXC J0032.1+1808. <i>Astrophysical Journal</i> , 2020 , 898, 6	4.7	7
36	Multiwavelength Analysis of the Merging Galaxy Cluster A115. <i>Astrophysical Journal</i> , 2019 , 874, 143	4.7	7
35	Merging Cluster Collaboration: Optical and Spectroscopic Survey of a Radio-selected Sample of 29 Merging Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 240, 39	8	17
34	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019 , 873, 111	4.7	814
33	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	4.7	16
32	Evidence for a Merger-induced Shock Wave in ZwCl 0008.8+5215 with Chandra and Suzaku. <i>Astrophysical Journal</i> , 2019 , 873, 64	4.7	7
31	RELICS: High-resolution Constraints on the Inner Mass Distribution of the $z = 0.83$ Merging Cluster RXJ0152.7-1357 from Strong Lensing. <i>Astrophysical Journal</i> , 2019 , 874, 132	4.7	13
30	Merging Cluster Collaboration: A Panchromatic Atlas of Radio Relic Mergers. <i>Astrophysical Journal</i> , 2019 , 882, 69	4.7	19
29	Chandra Observations of the Spectacular A3411+2 Merger Event. <i>Astrophysical Journal</i> , 2019 , 887, 31	4.7	5
28	Primordial Black Hole Microlensing: The Einstein Crossing Time Distribution. <i>Research Notes of the AAS</i> , 2019 , 3, 58	0.8	5
27	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019 , 884, 85	4.7	52

26	RELICS: Strong-lensing Analysis of the Massive Clusters MACS J0308.9+2645 and PLCK G171.9-07. <i>Astrophysical Journal</i> , 2018 , 858, 42	4-7	18
25	RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2018 , 859, 159	4-7	39
24	RELICS: A Strong Lens Model for SPT-CLJ0615-0746, a $z = 0.972$ Cluster. <i>Astrophysical Journal</i> , 2018 , 863, 154	4-7	18
23	Deep VLA Observations of the Cluster 1RXS J0603.3+4214 in the Frequency Range of 1-7 GHz. <i>Astrophysical Journal</i> , 2018 , 852, 65	4-7	42
22	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	4-7	20
21	The Mismeasure of Mergers: Revised Limits on Self-interacting Dark Matter in Merging Galaxy Clusters. <i>Astrophysical Journal</i> , 2018 , 869, 104	4-7	39
20	Deep Very Large Array Observations of the Merging Cluster CIZA J2242.8+5301: Continuum and Spectral Imaging. <i>Astrophysical Journal</i> , 2018 , 865, 24	4-7	31
19	RELICS: A Candidate $z \sim 10$ Galaxy Strongly Lensed into a Spatially Resolved Arc. <i>Astrophysical Journal Letters</i> , 2018 , 864, L22	7-9	42
18	The case for electron re-acceleration at galaxy cluster shocks. <i>Nature Astronomy</i> , 2017 , 1,	12-1	114
17	MC2: A Deeper Look at ZwCl 2341.1+0000 with Bayesian Galaxy Clustering and Weak Lensing Analyses. <i>Astrophysical Journal</i> , 2017 , 841, 7	4-7	5
16	STAR FORMATION IN THE CLUSTER MERGER DLSCl J0916.2+2953. <i>Astrophysical Journal</i> , 2017 , 834, 205	4-7	5
15	MC2: Multiwavelength and Dynamical Analysis of the Merging Galaxy Cluster ZwCl 0008.8+5215: An Older and Less Massive Bullet Cluster. <i>Astrophysical Journal</i> , 2017 , 838, 110	4-7	19
14	MC2: Subaru and Hubble Space Telescope Weak-lensing Analysis of the Double Radio Relic Galaxy Cluster PLCK G287.0+32.9. <i>Astrophysical Journal</i> , 2017 , 851, 46	4-7	14
13	MC2: MAPPING THE DARK MATTER DISTRIBUTION OF THE TOOTHBRUSH CLUSTER RX J0603.3+4214 WITH HUBBLE SPACE TELESCOPE AND SUBARU WEAK LENSING. <i>Astrophysical Journal</i> , 2016 , 817, 179	4-7	23
12	MC2: DYNAMICAL ANALYSIS OF THE MERGING GALAXY CLUSTER MACS J1149.5+2223. <i>Astrophysical Journal</i> , 2016 , 831, 110	4-7	25
11	HIERARCHICAL PROBABILISTIC INFERENCE OF COSMIC SHEAR. <i>Astrophysical Journal</i> , 2015 , 807, 87	4-7	25
10	MC2: GALAXY IMAGING AND REDSHIFT ANALYSIS OF THE MERGING CLUSTER CIZA J2242.8+5301. <i>Astrophysical Journal</i> , 2015 , 805, 143	4-7	33
9	MC2: CONSTRAINING THE DARK MATTER DISTRIBUTION OF THE VIOLENT MERGING GALAXY CLUSTER CIZA J2242.8+5301 BY PIERCING THROUGH THE MILKY WAY. <i>Astrophysical Journal</i> , 2015 , 802, 46	4-7	38

8	CHANDRAANDXMM-NEWTONOBSERVATIONS OF THE BIMODALPLANCKSZ-DETECTED CLUSTER PLCKG345.40-39.34 (A3716) WITH HIGH AND LOW ENTROPY SUBCLUSTER CORES. <i>Astrophysical Journal</i> , 2015 , 803, 108	4.7	14
7	The return of the merging galaxy subclusters of El Gordo?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 453, 1531-1549	4.3	23
6	Neutral hydrogen gas, past and future star formation in galaxies in and around the Bausage merging galaxy cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 2731-2744	4.3	16
5	The rise and fall of star formation in $z \sim 0.2$ merging galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 646-665	4.3	51
4	MC2: boosted AGN and star formation activity in CIZA J2242.8+5301, a massive post-merger cluster at $z = 0.19$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 630-645	4.3	49
3	GREAT3 results II. Systematic errors in shear estimation and the impact of real galaxy morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 2963-3007	4.3	97
2	THE DYNAMICS OF MERGING CLUSTERS: A MONTE CARLO SOLUTION APPLIED TO THE BULLET AND MUSKET BALL CLUSTERS. <i>Astrophysical Journal</i> , 2013 , 772, 131	4.7	45
1	DISCOVERY OF A DISSOCIATIVE GALAXY CLUSTER MERGER WITH LARGE PHYSICAL SEPARATION. <i>Astrophysical Journal Letters</i> , 2012 , 747, L42	7.9	97