

William Dawson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7299627/publications.pdf>

Version: 2024-02-01

43
papers

3,374
citations

218381

26
h-index

253896

43
g-index

43
all docs

43
docs citations

43
times ranked

4092
citing authors

#	ARTICLE	IF	CITATIONS
1	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019, 873, 111.	1.6	1,744
2	The case for electron re-acceleration at galaxy cluster shocks. <i>Nature Astronomy</i> , 2017, 1, .	4.2	142
3	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019, 884, 85.	1.6	141
4	GREAT3 results â€“ I. 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.	1.6	119
5	DISCOVERY OF A DISSOCIATIVE GALAXY CLUSTER MERGER WITH LARGE PHYSICAL SEPARATION. <i>Astrophysical Journal Letters</i> , 2012, 747, L42.	3.0	111
6	Deep VLA Observations of the Cluster 1RXS J0603.3+4214 in the Frequency Range of 1â€“2 GHz. <i>Astrophysical Journal</i> , 2018, 852, 65.	1.6	63
7	RELICS: The Reionization Lensing Cluster Survey and the Brightest High-z Galaxies. <i>Astrophysical Journal</i> , 2020, 889, 189.	1.6	58
8	RELICS: A Candidate $z \sim 10$ Galaxy Strongly Lensed into a Spatially Resolved Arc. <i>Astrophysical Journal Letters</i> , 2018, 864, L22.	3.0	57
9	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.	1.6	56
10	The Mismeasure of Mergers: Revised Limits on Self-interacting Dark Matter in Merging Galaxy Clusters. <i>Astrophysical Journal</i> , 2018, 869, 104.	1.6	56
11	Deep Very Large Array Observations of the Merging Cluster CIZA J2242.8+5301: Continuum and Spectral Imaging. <i>Astrophysical Journal</i> , 2018, 865, 24.	1.6	56
12	RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2018, 859, 159.	1.6	55
13	MC2: boosted AGN and star formation activity in CIZA J2242.8+5301, a massive post-merger cluster at $z \sim 0.19$ <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 630-645.	1.6	54
14	THE DYNAMICS OF MERGING CLUSTERS: A MONTE CARLO SOLUTION APPLIED TO THE BULLET AND MUSKET BALL CLUSTERS. <i>Astrophysical Journal</i> , 2013, 772, 131.	1.6	52
15	<i>MC²</i> : 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.	1.6	49
16	Merging Cluster Collaboration: A Panchromatic Atlas of Radio Relic Mergers. <i>Astrophysical Journal</i> , 2019, 882, 69.	1.6	37
17	<i>MC²</i> : GALAXY IMAGING AND REDSHIFT ANALYSIS OF THE MERGING CLUSTER CIZA J2242.8+5301. <i>Astrophysical Journal</i> , 2015, 805, 143.	1.6	35
18	The return of the merging galaxy subclusters of El Gordo?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1531-1549.	1.6	31

#	ARTICLE	IF	CITATIONS
19	MC ² : 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.	1.6	30
20	Merging Cluster Collaboration: Optical and Spectroscopic Survey of a Radio-selected Sample of 29 Merging Galaxy Clusters. <i>Astrophysical Journal</i> , Supplement Series, 2019, 240, 39.	3.0	30
21	HIERARCHICAL PROBABILISTIC INFERENCE OF COSMIC SHEAR. <i>Astrophysical Journal</i> , 2015, 807, 87.	1.6	29
22	MC ² : DYNAMICAL ANALYSIS OF THE MERGING GALAXY CLUSTER MACS J1149.5+2223. <i>Astrophysical Journal</i> , 2016, 831, 110.	1.6	29
23	MC ² : 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.	1.6	28
24	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.	1.6	27
25	PopSyCLE: A New Population Synthesis Code for Compact Object Microlensing Events. <i>Astrophysical Journal</i> , 2020, 889, 31.	1.6	27
26	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.	1.6	26
27	MC ² : 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.	1.6	24
28	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.	1.6	24
29	RELICS: A Strong Lens Model for SPT-CLJ0615+5746, a $z=0.972$ Cluster. <i>Astrophysical Journal</i> , 2018, 863, 154.	1.6	23
30	RELICS: Properties of $z \approx 5.5$ Galaxies Inferred from Spitzer and Hubble Imaging, Including A Candidate $z \approx 6.8$ Strong [O iii] emitter. <i>Astrophysical Journal</i> , 2021, 910, 135.	1.6	20
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.	1.6	18
32	Neutral hydrogen gas, past and future star formation in galaxies in and around the “Sausage” merging galaxy cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2731-2744.	1.6	17
33	CHANDRA AND XMM-NEWTON OBSERVATIONS OF THE BIMODAL PLANCK SZ-DETECTED CLUSTER PLCKG345.40-39.34 (A3716) WITH HIGH AND LOW ENTROPY SUBCLUSTER CORES. <i>Astrophysical Journal</i> , 2015, 803, 108.	1.6	15
34	Evidence for a Merger-induced Shock Wave in ZwCl 0008.8+5215 with Chandra and Suzaku. <i>Astrophysical Journal</i> , 2019, 873, 64.	1.6	13
35	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.	1.6	13
36	MC ² : A Deeper Look at ZwCl 2341.1+0000 with Bayesian Galaxy Clustering and Weak Lensing Analyses. <i>Astrophysical Journal</i> , 2017, 841, 7.	1.6	10

#	ARTICLE	IF	CITATIONS
37	RELICS: A Very Large ($\sim 1/4 \text{ Mpc}^3$) Cluster Lens RXC J0032.1+1808. <i>Astrophysical Journal</i> , 2020, 898, 6.	1.6	10
38	STAR FORMATION IN THE CLUSTER MERGER DLSCL J0916.2+2953. <i>Astrophysical Journal</i> , 2017, 834, 205.	1.6	9
39	Multiwavelength Analysis of the Merging Galaxy Cluster A115. <i>Astrophysical Journal</i> , 2019, 874, 143.	1.6	9
40	Chandra Observations of the Spectacular A3411 $\hat{=}$ 12 Merger Event. <i>Astrophysical Journal</i> , 2019, 887, 31.	1.6	9
41	Primordial Black Hole Microlensing: The Einstein Crossing Time Distribution. <i>Research Notes of the AAS</i> , 2019, 3, 58.	0.3	7
42	A Reanalysis of Public Galactic Bulge Gravitational Microlensing Events from OGLE-III and -IV. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 2.	3.0	7
43	Gravitational Microlensing Event Statistics for the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020, 897, 144.	1.6	4