

# William Dawson

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7299627/william-dawson-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , <b>2019</b> , 873, 111  | 4.7  | 814       |
| 42 | The case for electron re-acceleration at galaxy cluster shocks. <i>Nature Astronomy</i> , <b>2017</b> , 1,   | 12.1 | 114       |
| 41 | GREAT3 results II. Systematic errors in shear estimation and the impact of real galaxy morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 2963-3007             | 4.3  | 97        |
| 40 | DISCOVERY OF A DISSOCIATIVE GALAXY CLUSTER MERGER WITH LARGE PHYSICAL SEPARATION. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 747, L42  | 7.9  | 97        |
| 39 | RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , <b>2019</b> , 884, 85  | 4.7  | 52        |
| 38 | The rise and fall of star formation in $z \sim 0.2$ merging galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 646-665                                     | 4.3  | 51        |
| 37 | 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> , <b>2015</b> , 450, 630-645 | 4.3  | 49        |
| 36 | THE DYNAMICS OF MERGING CLUSTERS: A MONTE CARLO SOLUTION APPLIED TO THE BULLET AND MUSKET BALL CLUSTERS. <i>Astrophysical Journal</i> , <b>2013</b> , 772, 131   | 4.7  | 45        |
| 35 | Deep VLA Observations of the Cluster 1RXS J0603.3+4214 in the Frequency Range of $1\sigma$ GHz. <i>Astrophysical Journal</i> , <b>2018</b> , 852, 65   | 4.7  | 42        |
| 34 | RELICS: A Candidate $z \sim 10$ Galaxy Strongly Lensed into a Spatially Resolved Arc. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 864, L22  | 7.9  | 42        |
| 33 | RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 159  | 4.7  | 39        |
| 32 | The Mismeasure of Mergers: Revised Limits on Self-interacting Dark Matter in Merging Galaxy Clusters. <i>Astrophysical Journal</i> , <b>2018</b> , 869, 104  | 4.7  | 39        |
| 31 | 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> , <b>2015</b> , 802, 46         | 4.7  | 38        |
| 30 | MC2: GALAXY IMAGING AND REDSHIFT ANALYSIS OF THE MERGING CLUSTER CIZA J2242.8+5301. <i>Astrophysical Journal</i> , <b>2015</b> , 805, 143  | 4.7  | 33        |
| 29 | Deep Very Large Array Observations of the Merging Cluster CIZA J2242.8+5301: Continuum and Spectral Imaging. <i>Astrophysical Journal</i> , <b>2018</b> , 865, 24                                      | 4.7  | 31        |
| 28 | HIERARCHICAL PROBABILISTIC INFERENCE OF COSMIC SHEAR. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 87   | 4.7  | 25        |
| 27 | MC2: DYNAMICAL ANALYSIS OF THE MERGING GALAXY CLUSTER MACS J1149.5+2223. <i>Astrophysical Journal</i> , <b>2016</b> , 831, 110   | 4.7  | 25        |

|    |  |     |    |
|----|--|-----|----|
| 26 | RELICS: The Reionization Lensing Cluster Survey and the Brightest High-z Galaxies. <i>Astrophysical Journal</i> , <b>2020</b> , 889, 189   | 4.7 | 25 |
| 25 | 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> , <b>2016</b> , 817, 179             | 4.7 | 23 |
| 24 | The return of the merging galaxy subclusters of El Gordo?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 1531-1549   | 4.3 | 23 |
| 23 | 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> , <b>2018</b> , 863, 145                                | 4.7 | 20 |
| 22 | 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> , <b>2017</b> , 838, 110                  | 4.7 | 19 |
| 21 | Merging Cluster Collaboration: A Panchromatic Atlas of Radio Relic Mergers. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 69   | 4.7 | 19 |
| 20 | RELICS: Strong-lensing Analysis of the Massive Clusters MACS J0308.9+2645 and PLCK G171.9-0.7. <i>Astrophysical Journal</i> , <b>2018</b> , 858, 42  | 4.7 | 18 |
| 19 | RELICS: A Strong Lens Model for SPT-CLJ0615-0746, a $z = 0.972$ Cluster. <i>Astrophysical Journal</i> , <b>2018</b> , 863, 154   | 4.7 | 18 |
| 18 | Merging Cluster Collaboration: Optical and Spectroscopic Survey of a Radio-selected Sample of 29 Merging Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 240, 39            | 8   | 17 |
| 17 | RELICS: Strong Lensing Analysis of MACS J0417.5-1154 and Predictions for Observing the Magnified High-redshift Universe with JWST. <i>Astrophysical Journal</i> , <b>2019</b> , 873, 96                      | 4.7 | 16 |
| 16 | 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> , <b>2015</b> , 452, 2731-2744 | 4.3 | 16 |
| 15 | 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> , <b>2015</b> , 803, 108    | 4.7 | 14 |
| 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> , <b>2017</b> , 851, 46                                 | 4.7 | 14 |
| 13 | 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> , <b>2019</b> , 874, 132               | 4.7 | 13 |
| 12 | PopSyCLE: A New Population Synthesis Code for Compact Object Microlensing Events. <i>Astrophysical Journal</i> , <b>2020</b> , 889, 31   | 4.7 | 11 |
| 11 | Multiwavelength Analysis of the Merging Galaxy Cluster A115. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 143   | 4.7 | 7  |
| 10 | Evidence for a Merger-induced Shock Wave in ZwCl 0008.8+5215 with Chandra and Suzaku. <i>Astrophysical Journal</i> , <b>2019</b> , 873, 64   | 4.7 | 7  |
| 9  | RELICS: A Very Large ( $\Omega \sim 40?$ ) Cluster Lens BXC J0032.1+1808. <i>Astrophysical Journal</i> , <b>2020</b> , 898, 6  | 4.7 | 7  |

|   |   |     |   |
|---|---|-----|---|
| 8 | MC2: A Deeper Look at ZwCl 2341.1+0000 with Bayesian Galaxy Clustering and Weak Lensing Analyses. <i>Astrophysical Journal</i> , <b>2017</b> , 841, 7   | 4.7 | 5 |
| 7 | STAR FORMATION IN THE CLUSTER MERGER DLSCl J0916.2+2953. <i>Astrophysical Journal</i> , <b>2017</b> , 834, 205  | 4.7 | 5 |
| 6 | Chandra Observations of the Spectacular A341102 Merger Event. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 31  | 4.7 | 5 |
| 5 | Primordial Black Hole Microlensing: The Einstein Crossing Time Distribution. <i>Research Notes of the AAS</i> , <b>2019</b> , 3, 58   | 0.8 | 5 |
| 4 | 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> , <b>2021</b> , 910, 135      | 4.7 | 4 |
| 3 | 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> , <b>2021</b> , 918, 72 | 4.7 | 3 |
| 2 | Gravitational Microlensing Event Statistics for the Zwicky Transient Facility. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 144  | 4.7 | 2 |
| 1 | A Reanalysis of Public Galactic Bulge Gravitational Microlensing Events from OGLE-III and -IV. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 260, 2                                       | 8   | 0 |