

Douglas Clowe

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,574
citations

331670

21
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

7405
citing authors

#	ARTICLE	IF	CITATIONS
1	A Direct Empirical Proof of the Existence of Dark Matter. <i>Astrophysical Journal</i> , 2006, 648, L109-L113.	4.5	1,440
2	Constraints on the Self-Interaction Cross Section of Dark Matter from Numerical Simulations of the Merging Galaxy Cluster 1E 0657 \hat{a} '56. <i>Astrophysical Journal</i> , 2008, 679, 1173-1180.	4.5	552
3	Weak-Lensing Mass Reconstruction of the Interacting Cluster 1E 0657 \hat{a} '558: Direct Evidence for the Existence of Dark Matter. <i>Astrophysical Journal</i> , 2004, 604, 596-603.	4.5	463
4	The Shear Testing Programme " I. Weak lensing analysis of simulated ground-based observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 1323-1339.	4.4	389
5	The Shear Testing Programme 2: Factors affecting high-precision weak-lensing analyses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 13-38.	4.4	321
6	Strong and Weak Lensing United. III. Measuring the Mass Distribution of the Merging Galaxy Cluster 1E 0657 \hat{a} '558. <i>Astrophysical Journal</i> , 2006, 652, 937-947.	4.5	254
7	The behaviour of dark matter associated with four bright cluster galaxies in the 10 \hat{A} kpc core of Abell 3827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3393-3406.	4.4	147
8	THE ENVIRONMENTS OF STARBURST AND POST-STARBURST GALAXIES AT $z = 0.4-0.8$. <i>Astrophysical Journal</i> , 2009, 693, 112-131.	4.5	129
9	The Relation between Star Formation, Morphology, and Local Density in High-Redshift Clusters and Groups. <i>Astrophysical Journal</i> , 2008, 684, 888-904.	4.5	128
10	FOCUSING COSMIC TELESCOPES: EXPLORING REDSHIFT $z \sim 5-6$ GALAXIES WITH THE BULLET CLUSTER 1E0657 \hat{a} ' 56. <i>Astrophysical Journal</i> , 2009, 706, 1201-1212.	4.5	104
11	A filament of dark matter between two clusters of galaxies. <i>Nature</i> , 2012, 487, 202-204.	27.8	103
12	THE REST-FRAME OPTICAL LUMINOSITY FUNCTION OF CLUSTER GALAXIES AT $z < 0.8$ AND THE ASSEMBLY OF THE CLUSTER RED SEQUENCE. <i>Astrophysical Journal</i> , 2009, 700, 1559-1588.	4.5	90
13	A new look at massive clusters: weak lensing constraints on the triaxial dark matter haloes of A1689, A1835 and A2204. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1235-1254.	4.4	86
14	ON DARK PEAKS AND MISSING MASS: A WEAK-LENSING MASS RECONSTRUCTION OF THE MERGING CLUSTER SYSTEM A520,. <i>Astrophysical Journal</i> , 2012, 758, 128.	4.5	63
15	The BUFFALO HST Survey. <i>Astrophysical Journal</i> , Supplement Series, 2020, 247, 64.	7.7	57
16	STAR FORMATION IN THE BULLET CLUSTER. I. THE INFRARED LUMINOSITY FUNCTION AND STAR FORMATION RATE,. <i>Astrophysical Journal</i> , 2010, 725, 1536-1549.	4.5	36
17	SPECTROSCOPIC CONFIRMATION OF A $z = 6.740$ GALAXY BEHIND THE BULLET CLUSTER. <i>Astrophysical Journal Letters</i> , 2012, 755, L7.	8.3	31
18	USING THE BULLET CLUSTER AS A GRAVITATIONAL TELESCOPE TO STUDY $z \sim 7$ LYMAN BREAK GALAXIES. <i>Astrophysical Journal</i> , 2012, 745, 155.	4.5	29

#	ARTICLE	IF	CITATIONS
19	IMPACTS OF A SUPERSONIC SHOCK FRONT ON STAR FORMATION IN THE BULLET CLUSTER. <i>Astrophysical Journal</i> , 2009, 691, 963-970.	4.5	23
20	Dark matter dynamics in Abell 3827: new data consistent with standard cold dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 669-677.	4.4	22
21	A MULTIPLY IMAGED LUMINOUS INFRARED GALAXY BEHIND THE BULLET CLUSTER (1E0657-56). <i>Astrophysical Journal</i> , 2009, 691, 525-530.	4.5	21
22	The evolution of the cluster optical galaxy luminosity function between $z = 0.4$ and 0.9 in the DAFT/FADA survey. <i>Astronomy and Astrophysics</i> , 2015, 575, A116.	5.1	21
23	Weak lensing study of 16 DAFT/FADA clusters: Substructures and filaments. <i>Astronomy and Astrophysics</i> , 2016, 590, A69.	5.1	21
24	Preprocessing among the Infalling Galaxy Population of EDisCS Clusters. <i>Astrophysical Journal</i> , 2019, 885, 6.	4.5	18
25	Resource Letter GL-1: Gravitational Lensing. <i>American Journal of Physics</i> , 2012, 80, 753-763.	0.7	16
26	Impact of point spread function higher moments error on weak gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1978-1993.	4.4	6
27	LoVoCCS. I. Survey Introduction, Data Processing Pipeline, and Early Science Results. <i>Astrophysical Journal</i> , 2022, 933, 84.	4.5	2
28	The Dark Matter filament between Abell 222/223. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, 193-198.	0.0	1
29	Detecting baryon acoustic oscillations in dark matter from kinematic weak lensing surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 253-267.	4.4	1
30	The Dark Matter filament between Abell 222/223 – ERRATUM. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, .	0.0	0