

Julian Merten

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,080
citations

279798

23
h-index

434195

31
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32
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docs citations

32
times ranked

2686
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint cluster reconstructions. <i>Astronomy and Astrophysics</i> , 2019, 627, A143.	5.1	3
2	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
3	KiDS-450: cosmological constraints from weak lensing peak statistics â€“ I. Inference from analytical prediction of high signal-to-noise ratio convergence peaks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1116-1134.	4.4	79
4	CLUMP-3D: Three-dimensional Shape and Structure of 20 CLASH Galaxy Clusters from Combined Weak and Strong Lensing. <i>Astrophysical Journal</i> , 2018, 860, 126.	4.5	22
5	Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. <i>Astrophysical Journal</i> , 2018, 861, 71.	4.5	19
6	KiDS+GAMA: cosmology constraints from a joint analysis of cosmic shear, galaxyâ€“galaxy lensing, and angular clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4662-4689.	4.4	163
7	KiDS-450: cosmological constraints from weak-lensing peak statistics â€“ II: Inference from shear peaks using N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 712-730.	4.4	86
8	The Projected Dark and Baryonic Ellipsoidal Structure of 20 CLASH Galaxy Clusters*. <i>Astrophysical Journal</i> , 2018, 860, 104.	4.5	44
9	Unveiling the Dynamical State of Massive Clusters through the ICL Fraction. <i>Astrophysical Journal</i> , 2018, 857, 79.	4.5	41
10	CLUMP-3D: three-dimensional lensing and multi-probe analysis of MACS J1206.2âˆ“0847, a remarkably regular cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3801-3826.	4.4	21
11	KiDS-450: tomographic cross-correlation of galaxy shear with Planck lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1619-1633.	4.4	27
12	The third data release of the Kilo-Degree Survey and associated data products. <i>Astronomy and Astrophysics</i> , 2017, 604, A134.	5.1	155
13	CLASH: JOINT ANALYSIS OF STRONG-LENSING, WEAK-LENSING SHEAR, AND MAGNIFICATION DATA FOR 20 GALAXY CLUSTERS*. <i>Astrophysical Journal</i> , 2016, 821, 116.	4.5	160
14	FRONTIER FIELDS: SUBARU WEAK-LENSING ANALYSIS OF THE MERGING GALAXY CLUSTER A2744*. <i>Astrophysical Journal</i> , 2016, 817, 24.	4.5	54
15	Mesh-free free-form lensing â€“ I. Methodology and application to mass reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2328-2345.	4.4	15
16	THE DETECTION AND STATISTICS OF GIANT ARCS BEHIND CLASH CLUSTERS. <i>Astrophysical Journal</i> , 2016, 817, 85.	4.5	23
17	ILLUMINATING A DARK LENS: A TYPE Ia SUPERNOVA MAGNIFIED BY THE FRONTIER FIELDS GALAXY CLUSTER ABELL 2744. <i>Astrophysical Journal</i> , 2015, 811, 70.	4.5	67
18	The behaviour of dark matter associated with four bright cluster galaxies in the 10Âkpc core of Abell 3827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3393-3406.	4.4	147

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19	Galaxy cluster lensing masses in modified lensing potentials. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4085-4102.	4.4	32
20	<i>HUBBLE SPACE TELESCOPE</i> COMBINED STRONG AND WEAK LENSING ANALYSIS OF THE CLASH SAMPLE: MASS AND MAGNIFICATION MODELS AND SYSTEMATIC UNCERTAINTIES. Astrophysical Journal, 2015, 801, 44.	4.5	207
21	CLASH-X: A COMPARISON OF LENSING AND X-RAY TECHNIQUES FOR MEASURING THE MASS PROFILES OF GALAXY CLUSTERS. Astrophysical Journal, 2014, 794, 136.	4.5	105
22	CLASH: WEAK-LENSING SHEAR-AND-MAGNIFICATION ANALYSIS OF 20 GALAXY CLUSTERS. Astrophysical Journal, 2014, 795, 163.	4.5	233
23	CLASH-VLT: CONSTRAINTS ON THE DARK MATTER EQUATION OF STATE FROM ACCURATE MEASUREMENTS OF GALAXY CLUSTER MASS PROFILES. Astrophysical Journal Letters, 2014, 783, L11.	8.3	23
24	THREE GRAVITATIONALLY LENSED SUPERNOVAE BEHIND CLASH GALAXY CLUSTERS. Astrophysical Journal, 2014, 786, 9.	4.5	45
25	CLASH: COMPLETE LENSING ANALYSIS OF THE LARGEST COSMIC LENS MACS J0717.5+3745 AND SURROUNDING STRUCTURES. Astrophysical Journal, 2013, 777, 43.	4.5	79
26	GALAXY HALO TRUNCATION AND GIANT ARC SURFACE BRIGHTNESS RECONSTRUCTION IN THE CLUSTER MACSJ1206.2-0847. Astrophysical Journal, 2013, 774, 124.	4.5	24
27	THE CONTRIBUTION OF HALOS WITH DIFFERENT MASS RATIOS TO THE OVERALL GROWTH OF CLUSTER-SIZED HALOS. Astrophysical Journal, 2013, 776, 91.	4.5	33
28	THE CLUSTER LENSING AND SUPERNOVA SURVEY WITH HUBBLE: AN OVERVIEW. Astrophysical Journal, Supplement Series, 2012, 199, 25.	7.7	659
29	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. Astrophysical Journal, 2012, 755, 56.	4.5	101
30	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. Astrophysical Journal, 2012, 757, 22.	4.5	112
31	A magnified young galaxy from about 500 million years after the Big Bang. Nature, 2012, 489, 406-408.	27.8	273
32	Weak lensing shear estimation beyond the shape-noise limit: a machine learning approach. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	6