

# Amata Mercurio

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,194  
citations

430874

18  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1473  
citing authors

#	ARTICLE	IF	CITATIONS
1	CLASH: WEAK-LENSING SHEAR-AND-MAGNIFICATION ANALYSIS OF 20 GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 795, 163.	4.5	233
2	<i>HUBBLE SPACE TELESCOPE</i> COMBINED STRONG AND WEAK LENSING ANALYSIS OF THE CLASH SAMPLE: MASS AND MAGNIFICATION MODELS AND SYSTEMATIC UNCERTAINTIES. <i>Astrophysical Journal</i> , 2015, 801, 44.	4.5	207
3	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. <i>Astrophysical Journal</i> , 2012, 755, 56.	4.5	101
4	An excess of small-scale gravitational lenses observed in galaxy clusters. <i>Science</i> , 2020, 369, 1347-1351.	12.6	98
5	Enhanced cluster lensing models with measured galaxy kinematics. <i>Astronomy and Astrophysics</i> , 2019, 631, A130.	5.1	49
6	The Grism Lens-Amplified Survey from Space (GLASS). X. Sub-kiloparsec Resolution Gas-phase Metallicity Maps at Cosmic Noon behind the Hubble Frontier Fields Cluster MACS1149.6+2223. <i>Astrophysical Journal</i> , 2017, 837, 89.	4.5	45
7	The Projected Dark and Baryonic Ellipsoidal Structure of 20 CLASH Galaxy Clusters*. <i>Astrophysical Journal</i> , 2018, 860, 104.	4.5	44
8	The KLEVER Survey: spatially resolved metallicity maps and gradients in a sample of 1.2 &lt;math>z</math> &lt;math>\leq 2.5</math> lensed galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 821-842.	4.4	44
9	Unveiling the Dynamical State of Massive Clusters through the ICL Fraction. <i>Astrophysical Journal</i> , 2018, 857, 79.	4.5	41
10	THE CONTRIBUTION OF HALOS WITH DIFFERENT MASS RATIOS TO THE OVERALL GROWTH OF CLUSTER-SIZED HALOS. <i>Astrophysical Journal</i> , 2013, 776, 91.	4.5	33
11	Dissection of the Collisional and Collisionless Mass Components in a Mini Sample of CLASH and HFF Massive Galaxy Clusters at $z \sim 0.4$ . <i>Astrophysical Journal</i> , 2018, 864, 98.	4.5	31
12	A new high-precision strong lensing model of the galaxy cluster MACS J0416.1 <sup>2</sup> 2403. <i>Astronomy and Astrophysics</i> , 2021, 645, A140.	5.1	29
13	Mass Profile Decomposition of the Frontier Fields Cluster MACS J0416-2403: Insights on the Dark-matter Inner Profile. <i>Astrophysical Journal</i> , 2017, 851, 81.	4.5	27
14	The KLEVER survey: nitrogen abundances at $z \sim 2$ and probing the existence of a fundamental nitrogen relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2867-2889.	4.4	26
15	GALAXY HALO TRUNCATION AND GIANT ARC SURFACE BRIGHTNESS RECONSTRUCTION IN THE CLUSTER MACSJ1206.2-0847. <i>Astrophysical Journal</i> , 2013, 774, 124.	4.5	24
16	CLASH-VLT: CONSTRAINTS ON THE DARK MATTER EQUATION OF STATE FROM ACCURATE MEASUREMENTS OF GALAXY CLUSTER MASS PROFILES. <i>Astrophysical Journal Letters</i> , 2014, 783, L11.	8.3	23
17	Being KLEVER at cosmic noon: Ionized gas outflows are inconspicuous in low-mass star-forming galaxies but prominent in massive AGN hosts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2535-2562.	4.4	20
18	<i>C</i> <sup>3</sup> , A Command-line Catalog Cross-match Tool for Large Astrophysical Catalogs. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 024005.	3.1	18

#	ARTICLE	IF	CITATIONS
19	A few StePS forward in unveiling the complexity of galaxy evolution: light-weighted stellar ages of intermediate-redshift galaxies with WEAVE. <i>Astronomy and Astrophysics</i> , 2019, 632, A9.	5.1	18
20	The Kormendy relation of galaxies in the Frontier Fields clusters: Abell S1063 and MACSJ1149.5+2223. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 648-668.	4.4	16
21	VLT/MUSE Observations of SDSS J1029+2623: Toward a High-precision Strong Lensing Model*. <i>Astrophysical Journal</i> , 2022, 926, 86.	4.5	15
22	MEASUREMENTS OF THE SUNYAEV-ZELDOVICH EFFECT IN MACS J0647.7+7015 AND MACS J1206.2+0847 AT HIGH ANGULAR RESOLUTION WITH MUSTANG. <i>Astrophysical Journal</i> , 2015, 809, 185.	4.5	12
23	A Very Large ( $\bar{l}_{E} \approx 3.4 \times 10^3$ ) Strong Gravitational Lens Selected with the Sunyaev-Zeldovich Effect: PLCK G287.0+32.9 ( $z = 0.38$ ). <i>Astrophysical Journal Letters</i> , 2017, 839, L11.	8.5	12
24	The projected gravitational potential of the galaxy cluster MACS J1206 derived from galaxy kinematics. <i>Astronomy and Astrophysics</i> , 2015, 584, A63.	5.1	9
25	Data reduction and astrometry strategies for wide-field images: an application to the Capodimonte Deep Field. , 2002, 4836, 406.		8
26	An Interacting Galaxy Pair at the Origin of a Light Echo. <i>Astrophysical Journal</i> , 2018, 852, 113.	4.5	4
27	Shapley supercluster survey: mapping the dark matter distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 52-66.	4.4	3
28	C3: A Command-line Catalogue Cross-matching tool for modern astrophysical survey data. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 327-332.	0.0	1
29	Systematic search for lensed X-ray sources in the CLASH fields. <i>Astronomy and Astrophysics</i> , 2021, 648, A47.	5.1	1