

Lorenzo Lovisari

List of Publications by Year in descending order

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58
papers

2,299
citations

218677

26
h-index

214800

47
g-index

58
all docs

58
docs citations

58
times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	On the dynamical and morphological state of the CHEX-MATE clusters. EPJ Web of Conferences, 2022, 257, 00007.	0.3	1
2	The Unusually Weak and Exceptionally Steep Radio Relic in A2108. Astrophysical Journal, 2022, 925, 91.	4.5	9
3	The galaxy group NGC 507: Newly detected AGN remnant plasma transported by sloshing. Astronomy and Astrophysics, 2022, 661, A92.	5.1	20
4	Detection of a Superluminous Spiral Galaxy in the Heart of a Massive Galaxy Cluster. Astrophysical Journal, 2022, 930, 138.	4.5	1
5	The intracluster magnetic field in the double relic galaxy cluster Abell 2345. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2518-2535.	4.4	18
6	Scaling Properties of Galaxy Groups. Universe, 2021, 7, 139.	2.5	41
7	Cosmological implications of the anisotropy of ten galaxy cluster scaling relations. Astronomy and Astrophysics, 2021, 649, A151.	5.1	60
8	Chandra Observations of the Planck Early Sunyaev-Zeldovich Sample: A Reexamination of Masses and Mass Proxies. Astrophysical Journal, 2021, 914, 58.	4.5	11
9	The Cluster HERitage project with XMM-Newton: Mass Assembly and Thermodynamics at the Endpoint of structure formation. Astronomy and Astrophysics, 2021, 650, A104.	5.1	36
10	The Physical Properties of the Groups of Galaxies. Universe, 2021, 7, 254.	2.5	3
11	The thermalization of massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5214-5223.	4.4	9
12	X-Ray Scaling Relations for a Representative Sample of Planck-selected Clusters Observed with XMM-Newton. Astrophysical Journal, 2020, 892, 102.	4.5	41
13	Probing cosmic isotropy with a new X-ray galaxy cluster sample through the X_T scaling relation. Astronomy and Astrophysics, 2020, 636, A15.	5.1	107
14	The discovery of radio halos in the frontier fields clusters Abell S1063 and Abell 370. Astronomy and Astrophysics, 2020, 636, A3.	5.1	22
15	From universal profiles to universal scaling laws in X-ray galaxy clusters. Astronomy and Astrophysics, 2020, 644, A111.	5.1	3
16	Comparing different mass estimators for a large subsample of the Planck-ESZ clusters. Astronomy and Astrophysics, 2020, 644, A78.	5.1	15
17	RELICS: The Reionization Lensing Cluster Survey and the Brightest High-z Galaxies. Astrophysical Journal, 2020, 889, 189.	4.5	58
18	RELICS: A Very Large ($\hat{L}_{E} \sim 4 \times 10^3$) Cluster Lens RXC J0032.1+1808. Astrophysical Journal, 2020, 898, 6.	4.5	10

#	ARTICLE	IF	CITATIONS
19	Projection effects in galaxy cluster samples: insights from X-ray redshifts. <i>Astronomy and Astrophysics</i> , 2019, 626, A48.	5.1	11
20	Extended X-Ray Study of M49: The Frontier of the Virgo Cluster. <i>Astronomical Journal</i> , 2019, 158, 6.	4.7	17
21	Using X-Ray Morphological Parameters to Strengthen Galaxy Cluster Mass Estimates via Machine Learning. <i>Astrophysical Journal</i> , 2019, 884, 33.	4.5	24
22	Expanding the Sample: The Relationship between the Black Hole Mass of BCGs and the Total Mass of Galaxy Clusters. <i>Astrophysical Journal</i> , 2019, 875, 141.	4.5	17
23	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.	4.5	27
24	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.	4.5	18
25	The Most Massive galaxy Clusters (M2C) across cosmic time: link between radial total mass distribution and dynamical state. <i>Astronomy and Astrophysics</i> , 2019, 628, A86.	5.1	20
26	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019, 884, 85.	4.5	141
27	The non-uniformity of galaxy cluster metallicity profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 540-557.	4.4	40
28	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.	4.5	26
29	Correlation between the Total Gravitating Mass of Groups and Clusters and the Supermassive Black Hole Mass of Brightest Galaxies. <i>Astrophysical Journal</i> , 2018, 852, 131.	4.5	44
30	Stormy Weather in 3C 196.1: Nuclear Outbursts and Merger Events Shape the Environment of the Hybrid Radio Galaxy 3C 196.1. <i>Astrophysical Journal</i> , 2018, 867, 35.	4.5	10
31	Detection of a Star-forming Galaxy in the Center of a Low-mass Galaxy Cluster. <i>Astrophysical Journal</i> , 2018, 869, 105.	4.5	3
32	XMM-Newton X-ray and HST weak gravitational lensing study of the extremely X-ray luminous galaxy cluster Cl J120958.9+495352 ($z = 0.902$). <i>Astronomy and Astrophysics</i> , 2018, 610, A71.	5.1	3
33	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.	4.5	24
34	RELICS: Strong Lens Models for Five Galaxy Clusters from the Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2018, 859, 159.	4.5	55
35	RELICS: A Strong Lens Model for SPT-CLJ0615+5746, a $z=0.972$ Cluster. <i>Astrophysical Journal</i> , 2018, 863, 154.	4.5	23
36	iPTF15eqv: Multiwavelength Exposure of a Peculiar Calcium-rich Transient. <i>Astrophysical Journal</i> , 2017, 846, 50.	4.5	30

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37	The Double Galaxy Cluster A2465. III. X-Ray and Weak-lensing Observations. <i>Astrophysical Journal</i> , 2017, 844, 67.	4.5	4
38	X-Ray Morphological Analysis of the Planck ESZ Clusters. <i>Astrophysical Journal</i> , 2017, 846, 51.	4.5	82
39	The Fraction of Cool-core Clusters in X-Ray versus SZ Samples Using Chandra Observations. <i>Astrophysical Journal</i> , 2017, 843, 76.	4.5	80
40	CHEERS: The chemical evolution RGS sample. <i>Astronomy and Astrophysics</i> , 2017, 607, A98.	5.1	39
41	X-ray analysis of the galaxy group UGC 03957 beyond $R < 200$ with <i>Suzaku</i> . <i>Astronomy and Astrophysics</i> , 2016, 592, A37.	5.1	22
42	Abundance and temperature distributions in the hot intra-cluster gas of Abell 4059. <i>Astronomy and Astrophysics</i> , 2015, 575, A37.	5.1	45
43	Scaling properties of a complete X-ray selected galaxy group sample. <i>Astronomy and Astrophysics</i> , 2015, 573, A118.	5.1	167
44	<i>XMM-Newton</i> and <i>Chandra</i> cross-calibration using HIFLUGCS galaxy clusters. <i>Astronomy and Astrophysics</i> , 2015, 575, A30.	5.1	128
45	The radio relic in Abell 2256: overall spectrum and implications for electron acceleration. <i>Astronomy and Astrophysics</i> , 2015, 575, A45.	5.1	50
46	A metal-rich elongated structure in the core of the group NGC 4325. <i>Astronomy and Astrophysics</i> , 2015, 573, A66.	5.1	7
47	Extending the $L_X - T$ relation from clusters to groups. <i>Astronomy and Astrophysics</i> , 2015, 573, A75.	5.1	26
48	Metal distribution in the intracluster medium: a comprehensive numerical study of twelve galaxy clusters. <i>Astronomy and Astrophysics</i> , 2014, 569, A31.	5.1	5
49	Constraining galaxy cluster temperatures and redshifts with eROSITA survey data. <i>Astronomy and Astrophysics</i> , 2014, 567, A65.	5.1	40
50	Mass Profiles of Galaxy Clusters from X-ray Analysis. <i>Space Science Reviews</i> , 2013, 177, 119-154.	8.1	132
51	Outskirts of Galaxy Clusters. <i>Space Science Reviews</i> , 2013, 177, 195-245.	8.1	114
52	Scaling Relations for Galaxy Clusters: Properties and Evolution. <i>Space Science Reviews</i> , 2013, 177, 247-282.	8.1	98
53	Scaling relations with a complete sample of galaxy groups. <i>Astronomische Nachrichten</i> , 2013, 334, 369-372.	1.2	2
54	METALS IN THE ICM: WITNESSES OF CLUSTER FORMATION AND EVOLUTION. <i>Acta Polytechnica</i> , 2013, 53, 579-582.	0.6	0

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55	Gas sloshing, cold fronts, Kelvin-Helmholtz instabilities and the merger history of the cluster of galaxies Abell 496. Monthly Notices of the Royal Astronomical Society, 2012, 420, 3632-3648.	4.4	66
56	Inhomogeneous metal distribution in the intracluster medium. Astronomy and Astrophysics, 2011, 528, A60.	5.1	29
57	The cluster gas mass fraction as a cosmological probe: a revised study. Astronomy and Astrophysics, 2009, 501, 61-73.	5.1	148
58	Metallicity map of the galaxy cluster A3667. Astronomy and Astrophysics, 2009, 508, 191-200.	5.1	17