

Mauro Roncarelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2197193/publications.pdf>

Version: 2024-02-01

53
papers

1,832
citations

218677

26
h-index

265206

42
g-index

53
all docs

53
docs citations

53
times ranked

1572
citing authors

#	ARTICLE	IF	CITATIONS
19	Detecting shocked intergalactic gas with X-ray and radio observations. <i>Astronomy and Astrophysics</i> , 2019, 627, A5.	5.1	32
20	<i>Athena</i> X-IFU synthetic observations of galaxy clusters to probe the chemical enrichment of the Universe. <i>Astronomy and Astrophysics</i> , 2018, 620, A173.	5.1	28
21	The kinematic Sunyaevâ€Zelâ€™dovich effect of the large-scale structure (II): the effect of modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2497-2506.	4.4	9
22	Measuring turbulence and gas motions in galaxy clusters via synthetic <i>Athena</i> X-IFU observations. <i>Astronomy and Astrophysics</i> , 2018, 618, A39.	5.1	36
23	AMICO: optimized detection of galaxy clusters in photometric surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5221-5236.	4.4	42
24	Searching for galaxy clusters in the Kilo-Degree Survey. <i>Astronomy and Astrophysics</i> , 2017, 598, A107.	5.1	30
25	The XMM Cluster Outskirts Project (X-COP): Physical conditions of Abell 2142 up to the virial radius. <i>Astronomy and Astrophysics</i> , 2016, 595, A42.	5.1	51
26	Searching for Galaxy Clusters in the VST-KiDS Survey. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2016, , 189-195.	0.3	2
27	Constraints on $\hat{\rho}_m$ and \hat{f}_8 from the potential-based cluster temperature function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1687-1696.	4.4	11
28	Missing baryons traced by the galaxy luminosity density in large-scale WHIM filaments. <i>Astronomy and Astrophysics</i> , 2015, 583, A142.	5.1	29
29	Gas clumping in galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2198-2208.	4.4	70
30	The effect of massive neutrinos on the Sunyaevâ€Zel'dovich and X-ray observables of galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1761-1773.	4.4	27
31	Finding and characterising WHIM structures using the luminosity density method. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, 368-371.	0.0	0
32	Outskirts of Galaxy Clusters. <i>Space Science Reviews</i> , 2013, 177, 195-245.	8.1	114
33	Large-scale inhomogeneities of the intracluster medium: improving mass estimates using the observed azimuthal scatter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 3030-3046.	4.4	73
34	ORIGIN: metal creation and evolution from the cosmic dawn. <i>Experimental Astronomy</i> , 2012, 34, 519-549.	3.7	6
35	The nature of the unresolved extragalactic cosmic soft X-ray background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 651-663.	4.4	44
36	The effect of feedback on the emission properties of the warm-hot intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 1012-1025.	4.4	27

#	ARTICLE	IF	CITATIONS
37	The gas distribution in the outer regions of galaxy clusters. <i>Astronomy and Astrophysics</i> , 2012, 541, A57.	5.1	116
38	The scatter in the radial profiles of X-ray luminous galaxy clusters as diagnostic of the thermodynamical state of the ICM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2305-2313.	4.4	34
39	STUDYING THE WARM-HOT INTERGALACTIC MEDIUM IN EMISSION. <i>Astrophysical Journal</i> , 2011, 734, 91.	4.5	21
40	Expected properties of the two-point autocorrelation function of the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2970-2984.	4.4	12
41	EFFECT OF METALLICITY ON X-RAY EMISSION FROM THE WARM-HOT INTERGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2010, 721, 46-58.	4.5	15
42	Imprints of primordial non-Gaussianities in X-ray and SZ signals from galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 923-933.	4.4	23
43	Infrared properties of the SDSS-maxBCG galaxy clusters. <i>Astronomy and Astrophysics</i> , 2010, 512, A20.	5.1	12
44	STUDYING THE WARM HOT INTERGALACTIC MEDIUM WITH GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2009, 697, 328-344.	4.5	38
45	Simulating the impact of dust cooling on the statistical properties of the intra-cluster medium. <i>Advances in Space Research</i> , 2009, 44, 440-445.	2.6	4
46	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. <i>Experimental Astronomy</i> , 2009, 23, 67-89.	3.7	19
47	EDGE: explorer of diffuse emission and gamma-ray burst explosions. , 2007, , .		5
48	The Sunyaev-Zel'dovich effects from a cosmological hydrodynamical simulation: large-scale properties and correlation with the soft X-ray signal. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 1259-1269.	4.4	46
49	ESTREMO/WFXRT: Extreme physIcs in the TRansient and Evolving COsmos. , 2006, , .		5
50	Properties of the diffuse X-ray background in a high-resolution hydrodynamical simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 74-84.	4.4	38
51	Simulated X-ray galaxy clusters at the virial radius: Slopes of the gas density, temperature and surface brightness profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 373, 1339-1350.	4.4	87
52	The imprints of local superclusters on the Sunyaev-Zel'dovich signals and their detectability with Planck. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 29-39.	4.4	66
53	The kinematic Sunyaev-Zel'dovich effect of the large-scale structure $\hat{\Lambda}(l)$: dependence on neutrino mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx170.	4.4	12