Luca Lamagna

List of Publications by Year
in descending order

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Version: 2024-02-01

32	476	759233 12	713466 21
papers	citations	h-index	g-index

32	32	32	613
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A high-resolution view of the filament of gas between AbellÂ399 and AbellÂ401 from the Atacama Cosmology Telescope and MUSTANG-2. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3335-3355.	4.4	14
2	QUBIC V: Cryogenic system design and performance. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 038.	5.4	8
3	QUBIC VI: Cryogenic half wave plate rotator, design and performance. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 039.	5.4	8
4	Total power horn-coupled 150 GHz LEKID array for space applications. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 009.	5.4	2
5	Selective Laser Melting Process of Alâ€“Based Pyramidal Horns for the W-Band: Fabrication and Testing. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 154-172.	2.2	3
6	A chemically etched corrugated feedhorn array for D-band CMB observations. Experimental Astronomy, 2021, 51, 249-272.	3.7	5
7	The large scale polarization explorer (LSPE) for CMB measurements: performance forecast. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 008.	5.4	27
8	W-band Lumped Element Kinetic Inductance Detector Array for Large Ground-Based Telescopes. Journal of Low Temperature Physics, 2020, 199, 130-137.	1.4	6
9	SWIPE Multi-mode Pixel Assembly Design and Beam Pattern Measurements at Cryogenic Temperature. Journal of Low Temperature Physics, 2020, 199, 312-319.	1.4	11
10	Progress Report on the Large-Scale Polarization Explorer. Journal of Low Temperature Physics, 2020, 200, 374-383.	1.4	16
11	Balloon-borne Cosmic Microwave Background experiments. EPJ Web of Conferences, 2019, 209, 01046.	0.3	7
12	The short wavelength instrument for the polarization explorer balloon-borne experiment: Polarization modulation issues. Astronomische Nachrichten, 2019, 340, 83-88.	1.2	14
13	Kinetic inductance detectors for the OLIMPO experiment: design and pre-flight characterization. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 039-039.	5.4	24
14	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19
15	Development of the multi-mode horn-lens configuration for the LSPE-SWIPE B-mode experiment. Proceedings of SPIE, 2016, , .	0.8	6
16	Multi-mode TES Bolometer Optimization for the LSPE-SWIPE Instrument. Journal of Low Temperature Physics, 2016, 184, 527-533.	1.4	17
17	Atmospheric monitoring in the millimetre and submillimetre bands for cosmological observations: CASPER2. Monthly Notices of the Royal Astronomical Society, 2013, 429, 849-858.	4.4	2
18	SWIPE: a bolometric polarimeter for the Large-Scale Polarization Explorer. Proceedings of SPIE, 2012, , .	0.8	32

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19	Millimetre and submillimetre atmospheric performance at Dome C combining radiosoundings andatmsynthetic spectra. Monthly Notices of the Royal Astronomical Society, 2012, 425, 222-230.	4.4	7
20	X-ray calibration of Sunyaev-Zelâ€™dovich scaling relations with the ACCEPT catalogue of galaxy clusters observed by Chandra. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1089-1101.	4.4	22
21	REDSHIFT DEPENDENCE OF THE COSMIC MICROWAVE BACKGROUND TEMPERATURE FROM SUNYAEV-ZELDOVICH MEASUREMENTS. Astrophysical Journal, 2009, 705, 1122-1128.	4.5	71
22	Spectroscopic Active Galaxies and Clusters Explorer. , 2009, , .		0
23	SZ effect from Corona Borealis supercluster. New Astronomy Reviews, 2007, 51, 374-380.	12.8	1
24	Sâ€“Z constraints on the dependence of the CMB temperature on redshift. New Astronomy Reviews, 2007, 51, 381-384.	12.8	3
25	MITO: A â€œcreative approachâ€•for Sunyaevâ€“Zelâ€™dovich effect observations from ground. New Astronomy Reviews, 2007, 51, 368-373.	12.8	3
26	Millimeter Observation of the SZ Effect in the Corona Borealis Supercluster. Astrophysical Journal, 2006, 645, 826-834.	4.5	12
27	Multifrequency Observations of the S-Z Effect towards A1656. Symposium - International Astronomical Union, 2005, 201, 447-448.	0.1	0
28	Absolute calibration and beam reconstruction of MITO(a ground-based instrument in the millimetric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	6
29	Triple Experiment Spectrum of the Sunyaev-Zel'dovich Effect in the Coma Cluster: H 0. Astrophysical Journal, 2003, 598, L75-L78.	4.5	30
30	MITO Measurements of the Sunyaev-Zeldovich Effect in the Coma Cluster of Galaxies. Astrophysical Journal, 2002, 574, L119-L122.	4.5	46
31	Cosmic Microwave Background Temperature at Galaxy Clusters. Astrophysical Journal, 2002, 580, L101-L104.	4.5	54
32	Search for the Sunyaev-Zeldovich effect in the coma cluster with the MITO experiment. AIP Conference Proceedings, 2001, , .	0.4	0