Silvia Masi

List of Publications by Year
in descending order

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36	490	1040056 9	752698 20
papers	citations	h-index	g-index

36	36	36	665
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	Microwave spectro-polarimetry of matter and radiation across space and time. Experimental Astronomy, 2021, 51, 1471-1514.	3.7	15
3	The Crab Nebula as a Calibrator for Wide-beam Cosmic Microwave Background Polarization Surveys. Astrophysical Journal, 2021, 921, 34.	4.5	3
4	A simple method to measure the temperature and levitation height of devices rotating at cryogenic temperatures. Review of Scientific Instruments, 2020, 91, 045118.	1.3	9
5	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
6	Balloon-borne Cosmic Microwave Background experiments. EPJ Web of Conferences, 2019, 209, 01046.	0.3	7
7	QUBIC: Exploring the Primordial Universe with the Q&U Bolometric Interferometer. Universe, 2019, 5, 42.	2.5	15
8	Optimal strategy for polarization modulation in the LSPE-SWIPE experiment. Astronomy and Astrophysics, 2018, 609, A52.	5.1	5
9	A clamp and release system for superconducting magnetic bearings. Review of Scientific Instruments, 2018, 89, 125004.	1.3	8
10	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19
11	Polarizing beam-splitter rotation in Martin-Puplett interferometers for spectroscopic measurements at millimeter wavelengths. Infrared Physics and Technology, 2017, 85, 92-98.	2.9	3
12	Modeling Transmission and Reflection Mueller Matrices of Dielectric Half-Wave Plates. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 215-228.	2.2	6
13	Development of the multi-mode horn-lens configuration for the LSPE-SWIPE B-mode experiment. Proceedings of SPIE, 2016, , .	0.8	6
14	Cosmic microwave background and cosmic polarization rotation: An experimentalist view. International Journal of Modern Physics D, 2016, 25, 1640012.	2.1	6
15	Galaxy clusters as probes for cosmology and dark matter. International Journal of Modern Physics D, 2016, 25, 1630023.	2.1	5
16	Precision measurements of the cosmic microwave background. AIP Conference Proceedings, 2015, , .	0.4	0
17	Common-mode rejection in Martinâ€“Puplett spectrometers for astronomical observations at millimeter wavelengths. Applied Optics, 2015, 54, 9269.	2.1	12
18	A Frequency Selective Surface Based Focal Plane Receiver for the OLIMPO Balloon-Borne Telescope. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 145-152.	3.1	26

#	Article	IF	Citations
19	Efficient differential Fourier-transform spectrometer for precision Sunyaev-Zelâ€™dovich effect measurements. Astronomy and Astrophysics, 2014, 565, A125.	5.1	17
20	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
21	Cold-electron bolometers for future mm and sub-mm sky surveys. , 2014, , .		1
22	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. International Journal of Modern Physics D, 2013, 22, 1330011.	2.1	6
23	The cosmic microwave background: observing directly the early universe. Proceedings of SPIE, 2012, , .	0.8	1
24	JDry-100-ASTRA, a cryogen-free 3Heâ€“4He dilution refrigerator for ground-based Cosmic Microwave Background astronomy. Journal of Physics: Conference Series, 2012, 400, 052033.	0.4	0
25	The SCAR Astronomy & Astrophysics from Antarctica Scientific Research Programme. Proceedings of the International Astronomical Union, 2012, 8, 275-295.	0.0	0
26	Development of Kinetic Inductance Detectors for Cosmic Microwave Background experiments. Experimental Astronomy, 2010, 28, 185-194.	3.7	12
27	CMB polarization systematics, cosmological birefringence, and the gravitational waves background. Physical Review D, 2009, 80, .	4.7	56
28	The millimeter sky as seen with BOOMERanG. New Astronomy Reviews, 2007, 51, 236-243.	12.8	1
29	Images of the mm/sub-mm sky with stratospheric balloon experiments. Advances in Space Research, 2004, 34, 483-490.	2.6	1
30	A fast star sensor for balloon payloads. Review of Scientific Instruments, 2003, 74, 4169-4175.	1.3	3
31	Radiation hardness of a composite bolometer cooled at 3He temperature. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 294, 328-334.	1.6	7
32	Far-infrared emission from an intergalactic dust cloud?. Astrophysics and Space Science, 1989, 152, 29-34.	1.4	6
33	Considerations on balloon-borne far infrared telescopes. Infrared Physics, 1987, 27, 215-225.	0.5	2
34	A calibrator for low background infrared bolometers. Infrared Physics, 1986, 26, 325-332.	0.5	1
35	THE INFRARED BACKGROUND RADIATION: NEW OBSERVATIONAL APPROACHES I-THE NOISE OF MICROWAVE BACKGROUND. Advanced Series in Astrophysics and Cosmology, 1985, , 95-101.	0.1	0
36	THE INFRARED BACKGROUND RADIATION: NEW OBSERVATIONAL APPROACHES. II-SEARCH FOR EXTRAGALACTIC BACKGROUNDS. Advanced Series in Astrophysics and Cosmology, 1985, , 103-116.	0.1	0