

Paolo de Bernardis

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

598
citations

759233

12
h-index

677142

22
g-index

30
all docs

30
docs citations

30
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	The Crab Nebula as a Calibrator for Wide-beam Cosmic Microwave Background Polarization Surveys. <i>Astrophysical Journal</i> , 2021, 921, 34.	4.5	3
2	A simple method to measure the temperature and levitation height of devices rotating at cryogenic temperatures. <i>Review of Scientific Instruments</i> , 2020, 91, 045118.	1.3	9
3	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
4	Strong Evidence of Anomalous Microwave Emission from the Flux Density Spectrum of M31. <i>Astrophysical Journal Letters</i> , 2019, 877, L31.	8.3	17
5	QUBIC: Exploring the Primordial Universe with the Q&U Bolometric Interferometer. <i>Universe</i> , 2019, 5, 42.	2.5	15
6	A clamp and release system for superconducting magnetic bearings. <i>Review of Scientific Instruments</i> , 2018, 89, 125004.	1.3	8
7	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19
8	Polarizing beam-splitter rotation in Martin-Puplett interferometers for spectroscopic measurements at millimeter wavelengths. <i>Infrared Physics and Technology</i> , 2017, 85, 92-98.	2.9	3
9	Development of the multi-mode horn-lens configuration for the LSPE-SWIPE B-mode experiment. <i>Proceedings of SPIE</i> , 2016, , .	0.8	6
10	Cosmic microwave background and cosmic polarization rotation: An experimentalist view. <i>International Journal of Modern Physics D</i> , 2016, 25, 1640012.	2.1	6
11	Common-mode rejection in Martin-Puplett spectrometers for astronomical observations at millimeter wavelengths. <i>Applied Optics</i> , 2015, 54, 9269.	2.1	12
12	A Frequency Selective Surface Based Focal Plane Receiver for the OLIMPO Balloon-Borne Telescope. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2015, 5, 145-152.	3.1	26
13	Efficient differential Fourier-transform spectrometer for precision Sunyaev-Zeldovich effect measurements. <i>Astronomy and Astrophysics</i> , 2014, 565, A125.	5.1	17
14	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 006-006.	5.4	138
15	Development of large radii half-wave plates for CMB satellite missions. <i>Proceedings of SPIE</i> , 2014, , .	0.8	14
16	Cold-electron bolometers for future mm and sub-mm sky surveys. , 2014, , .		1
17	The Cosmic Microwave Background: a window on the early universe. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2013, 243-244, 33-43.	0.4	1
18	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. <i>International Journal of Modern Physics D</i> , 2013, 22, 1330011.	2.1	6

#	ARTICLE	IF	CITATIONS
19	The cosmic microwave background: observing directly the early universe. Proceedings of SPIE, 2012, , .	0.8	1
20	JDry-100-ASTRA, a cryogen-free $3\text{He}/^4\text{He}$ dilution refrigerator for ground-based Cosmic Microwave Background astronomy. Journal of Physics: Conference Series, 2012, 400, 052033.	0.4	0
21	Future of Space Astronomy: A global Road Map for the next decades. Advances in Space Research, 2012, 50, 1-55.	2.6	10
22	On the effect of tilted roof reflectors in Martinâ€™Puplett spectrometers. Infrared Physics and Technology, 2012, 55, 40-44.	2.9	5
23	Optical Response of a Cold-Electron Bolometer Array Integrated in a 345-GHz Cross-Slot Antenna. IEEE Transactions on Applied Superconductivity, 2011, 21, 3635-3639.	1.7	33
24	Development of Kinetic Inductance Detectors for Cosmic Microwave Background experiments. Experimental Astronomy, 2010, 28, 185-194.	3.7	12
25	B-Pol: detecting primordial gravitational waves generated during inflation. Experimental Astronomy, 2009, 23, 5-16.	3.7	40
26	CMB polarization systematics, cosmological birefringence, and the gravitational waves background. Physical Review D, 2009, 80, .	4.7	56
27	A fast star sensor for balloon payloads. Review of Scientific Instruments, 2003, 74, 4169-4175.	1.3	3
28	Cosmic Microwave Background Anisotropy at Degree Angular Scales and the Thermal History of the Universe. Astrophysical Journal, 1997, 480, 1-5.	4.5	26
29	Foregrounds Removal and CMB Fluctuations in a Multiband Anisotropy Experiment: ARGON 1993. Astrophysical Journal, 1996, 463, L47-L50.	4.5	26
30	Far-infrared emission from an intergalactic dust cloud?. Astrophysics and Space Science, 1989, 152, 29-34.	1.4	6