

# 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	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
2	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
3	CMB polarization systematics, cosmological birefringence, and the gravitational waves background. Physical Review D, 2009, 80, .	4.7	56
4	B-Pol: detecting primordial gravitational waves generated during inflation. Experimental Astronomy, 2009, 23, 5-16.	3.7	40
5	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
6	Cosmic Microwave Background Anisotropy at Degree Angular Scales and the Thermal History of the Universe. Astrophysical Journal, 1997, 480, 1-5.	4.5	26
7	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
8	Foregrounds Removal and CMB Fluctuations in a Multiband Anisotropy Experiment: ARGO 1993. Astrophysical Journal, 1996, 463, L47-L50.	4.5	26
9	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19
10	Efficient differential Fourier-transform spectrometer for precision Sunyaev-Zelâ€™dovich effect measurements. Astronomy and Astrophysics, 2014, 565, A125.	5.1	17
11	Strong Evidence of Anomalous Microwave Emission from the Flux Density Spectrum of M31. Astrophysical Journal Letters, 2019, 877, L31.	8.3	17
12	QUBIC: Exploring the Primordial Universe with the Q&U Bolometric Interferometer. Universe, 2019, 5, 42.	2.5	15
13	Development of large radii half-wave plates for CMB satellite missions. Proceedings of SPIE, 2014, , .	0.8	14
14	Development of Kinetic Inductance Detectors for Cosmic Microwave Background experiments. Experimental Astronomy, 2010, 28, 185-194.	3.7	12
15	Common-mode rejection in Martinâ€™Puplett spectrometers for astronomical observations at millimeter wavelengths. Applied Optics, 2015, 54, 9269.	2.1	12
16	Future of Space Astronomy: A global Road Map for the next decades. Advances in Space Research, 2012, 50, 1-55.	2.6	10
17	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
18	A clamp and release system for superconducting magnetic bearings. Review of Scientific Instruments, 2018, 89, 125004.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Far-infrared emission from an intergalactic dust cloud?. <i>Astrophysics and Space Science</i> , 1989, 152, 29-34.	1.4	6
20	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. <i>International Journal of Modern Physics D</i> , 2013, 22, 1330011.	2.1	6
21	Development of the multi-mode horn-lens configuration for the LSPE-SWIPE B-mode experiment. <i>Proceedings of SPIE</i> , 2016, , .	0.8	6
22	Cosmic microwave background and cosmic polarization rotation: An experimentalist view. <i>International Journal of Modern Physics D</i> , 2016, 25, 1640012.	2.1	6
23	On the effect of tilted roof reflectors in Martin-Puplett spectrometers. <i>Infrared Physics and Technology</i> , 2012, 55, 40-44.	2.9	5
24	A fast star sensor for balloon payloads. <i>Review of Scientific Instruments</i> , 2003, 74, 4169-4175.	1.3	3
25	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
26	The Crab Nebula as a Calibrator for Wide-beam Cosmic Microwave Background Polarization Surveys. <i>Astrophysical Journal</i> , 2021, 921, 34.	4.5	3
27	The cosmic microwave background: observing directly the early universe. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
28	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
29	Cold-electron bolometers for future mm and sub-mm sky surveys. , 2014, , .		1
30	JDry-100-ASTRA, a cryogen-free $3\text{He}/^4\text{He}$ dilution refrigerator for ground-based Cosmic Microwave Background astronomy. <i>Journal of Physics: Conference Series</i> , 2012, 400, 052033.	0.4	0