

Gabriele Coppi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,073
citations

933447

10
h-index

752698

20
g-index

39
all docs

39
docs citations

39
times ranked

1148
citing authors

#	ARTICLE	IF	CITATIONS
1	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	5.4	741
2	The Simons Observatory: instrument overview. , 2018, , .		56
3	The large scale polarization explorer (LSPE) for CMB measurements: performance forecast. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 008.	5.4	27
4	Small Aperture Telescopes for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020, 200, 461-471.	1.4	21
5	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. <i>Journal of Low Temperature Physics</i> , 2018, 193, 758-770.	1.4	16
6	Progress Report on the Large-Scale Polarization Explorer. <i>Journal of Low Temperature Physics</i> , 2020, 200, 374-383.	1.4	16
7	QUBIC: Exploring the Primordial Universe with the Q&U Bolometric Interferometer. <i>Universe</i> , 2019, 5, 42.	2.5	15
8	The Simons Observatory: gain, bandpass and polarization-angle calibration requirements for B-mode searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 032.	5.4	14
9	The Simons Observatory: modeling optical systematics in the Large Aperture Telescope. <i>Applied Optics</i> , 2021, 60, 823.	1.8	13
10	The Simons Observatory: metamaterial microwave absorber and its cryogenic applications. <i>Applied Optics</i> , 2021, 60, 864.	1.8	13
11	Prime-Cam: a first-light instrument for the CCAT-prime telescope. , 2018, , .		13
12	BoloCalc: a sensitivity calculator for the design of Simons Observatory. , 2018, , .		13
13	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	7.7	11
14	The Simons Observatory: Galactic Science Goals and Forecasts. <i>Astrophysical Journal</i> , 2022, 929, 166.	4.5	10
15	Simons Observatory large aperture telescope receiver design overview. , 2018, , .		9
16	The Simons Observatory: The Large Aperture Telescope (LAT). <i>Research Notes of the AAS</i> , 2021, 5, 100.	0.7	8
17	Cold optical design for the large aperture Simons' Observatory telescope. , 2018, , .		7
18	The Simons Observatory Small Aperture Telescope overview. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
19	Development of the multi-mode horn-lens configuration for the LSPE-SWIPE B-mode experiment. Proceedings of SPIE, 2016, , .	0.8	6
20	QUBIC: the Q and U bolometric interferometer for cosmology. , 2018, , .		6
21	Thermal architecture for the QUBIC cryogenic receiver. , 2018, , .		5
22	Sorption-cooled continuous miniature dilution refrigeration for astrophysical applications. , 2016, , .		4
23	A highly effective superfluid film breaker for high heat-lift 1â€K sorption coolers. Cryogenics, 2019, 102, 45-49.	1.7	4
24	QUBIC: Using NbSi TESs with a Bolometric Interferometer to Characterize the Polarization of the CMB. Journal of Low Temperature Physics, 2020, 200, 363-373.	1.4	4
25	Performance of NbSi transition-edge sensors readout with a 128 MUX factor for the QUBIC experiment. , 2018, , .		4
26	Cooldown strategies and transient thermal simulations for the Simons Observatory. , 2018, , .		4
27	Simons Observatory large aperture receiver simulation overview. , 2018, , .		4
28	Systematic uncertainties in the Simons Observatory: optical effects and sensitivity considerations. , 2018, , .		4
29	Design and characterization of the POLARBEAR-2b and POLARBEAR-2c cosmic microwave background cryogenic receivers. , 2018, , .		3
30	Simulations and performance of the QUBIC optical beam combiner. , 2018, , .		3
31	The Balloon-borne Large Aperture Submillimeter Telescope Observatory. , 2020, , .		3
32	Development of a sorption-cooled continuous miniature dilution refrigerator for 100 mK detector testing. IOP Conference Series: Materials Science and Engineering, 2019, 502, 012135.	0.6	2
33	Preflight Detector Characterization of BLAST-TNG. Journal of Low Temperature Physics, 2020, 200, 400-406.	1.4	2
34	A Closed-Cycle Miniature Dilution Refrigerator for a Fast-Cooldown 100 mK Detector Wafer Test Cryostat. Journal of Low Temperature Physics, 2020, 199, 771-779.	1.4	2
35	The effects of inclination on a two stage pulse tube cryocooler for use with a ground based observatory. Cryogenics, 2021, 117, 103323.	1.7	2
36	Measurements of the Polarization Properties of Foam Materials Useful for mm-wave Polarimeters Windows. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 815-824.	2.2	1

#	ARTICLE	IF	CITATIONS
37	Developing a long duration ^3He fridge for the LSPE-SWIPE instrument. , 2016, , .		0
38	Optical modelling and analysis of the Q and U bolometric interferometer for cosmology. , 2018, , .		0