

Chrystian M Posada

List of Publications by Year in descending order

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26
papers

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citations

759233

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26
docs citations

26
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of large dual-polarized multichroic TES bolometer arrays for CMB measurements with the SPT-3G camera. Superconductor Science and Technology, 2015, 28, 094002.	3.5	29
2	Year two instrument status of the SPT-3G cosmic microwave background receiver. , 2018, , .		29
3	The Design and Integrated Performance of SPT-3G. Astrophysical Journal, Supplement Series, 2022, 258, 42.	7.7	29
4	SPT-3G: A Multichroic Receiver for the South Pole Telescope. Journal of Low Temperature Physics, 2018, 193, 1057-1065.	1.4	27
5	Nitrogen incorporated ultrananocrystalline diamond based field emitter array for a flat-panel x-ray source. Journal of Applied Physics, 2014, 115, .	2.5	19
6	A Monte Carlo simulation study of a flat-panel X-ray source. Applied Radiation and Isotopes, 2012, 70, 1658-1666.	1.5	18
7	Optimization of Transition Edge Sensor Arrays for Cosmic Microwave Background Observations With the South Pole Telescope. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	16
8	Optical Characterization of the SPT-3G Camera. Journal of Low Temperature Physics, 2018, 193, 305-313.	1.4	16
9	Fabrication of Detector Arrays for the SPT-3G Receiver. Journal of Low Temperature Physics, 2018, 193, 703-711.	1.4	16
10	Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. Astrophysical Journal, 2021, 916, 98.	4.5	16
11	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. Proceedings of SPIE, 2016, , .	0.8	15
12	Electron field emission Particle-In-Cell (PIC) coupled with MCNPX simulation of a CNT-based flat-panel x-ray source. , 2011, , .		13
13	Tuning SPT-3G Transition-Edge-Sensor Electrical Properties with a Four-Layer TiAuAu Thin-Film Stack. Journal of Low Temperature Physics, 2018, 193, 695-702.	1.4	13
14	Design and Assembly of SPT-3G Cold Readout Hardware. Journal of Low Temperature Physics, 2018, 193, 547-555.	1.4	13
15	Simulation of the electron field emission characteristics of a flat panel x-ray source. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, .	1.2	11
16	On-Sky Performance of the SPT-3G Frequency-Domain Multiplexed Readout. Journal of Low Temperature Physics, 2020, 199, 182-191.	1.4	11
17	Large arrays of dual-polarized multichroic TES detectors for CMB measurements with the SPT-3G receiver. , 2016, , .		9
18	Design and characterization of the SPT-3G receiver. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
19	Broadband anti-reflective coatings for cosmic microwave background experiments. , 2018, , .		8
20	Performance of Al ⁺ Mn Transition-Edge Sensor Bolometers in SPT-3G. Journal of Low Temperature Physics, 2020, 199, 320-329.	1.4	7
21	Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane. Journal of Low Temperature Physics, 2018, 193, 1085-1093.	1.4	6
22	Thermal Links and Microstrip Transmission Lines in SPT-3G Bolometers. Journal of Low Temperature Physics, 2018, 193, 712-719.	1.4	5
23	Characterization and performance of the second-year SPT-3G focal plane. , 2018, , .		5
24	Construction of a ultrananocrystalline diamond-based cold cathode arrays for a flat-panel x-ray source. Proceedings of SPIE, 2013, , .	0.8	4
25	Impact of Electrical Contacts Design and Materials on the Stability of Ti Superconducting Transition Shape. Journal of Low Temperature Physics, 2018, 193, 732-738.	1.4	4
26	Gyrotropic frequency control in ferromagnetic dots using a nanoscale vortex barrier. AIP Advances, 2016, 6, .	1.3	3