

Chrystian M Posada

List of Publications by Year in descending order

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papers

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585
citing authors

#	ARTICLE	IF	CITATIONS
1	The Design and Integrated Performance of SPT-3G. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 42.	7.7	29
2	Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. <i>Astrophysical Journal</i> , 2021, 916, 98.	4.5	16
3	On-Sky Performance of the SPT-3G Frequency-Domain Multiplexed Readout. <i>Journal of Low Temperature Physics</i> , 2020, 199, 182-191.	1.4	11
4	Performance of Al ¹⁰⁰ Mn Transition-Edge Sensor Bolometers in SPT-3G. <i>Journal of Low Temperature Physics</i> , 2020, 199, 320-329.	1.4	7
5	Tuning SPT-3G Transition-Edge-Sensor Electrical Properties with a Four-Layer Ti ¹⁰⁰ Au ¹⁰⁰ Ti ¹⁰⁰ Au Thin-Film Stack. <i>Journal of Low Temperature Physics</i> , 2018, 193, 695-702.	1.4	13
6	Design and Assembly of SPT-3G Cold Readout Hardware. <i>Journal of Low Temperature Physics</i> , 2018, 193, 547-555.	1.4	13
7	Optical Characterization of the SPT-3G Camera. <i>Journal of Low Temperature Physics</i> , 2018, 193, 305-313.	1.4	16
8	Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1085-1093.	1.4	6
9	Impact of Electrical Contacts Design and Materials on the Stability of Ti Superconducting Transition Shape. <i>Journal of Low Temperature Physics</i> , 2018, 193, 732-738.	1.4	4
10	SPT-3G: A Multichroic Receiver for the South Pole Telescope. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1057-1065.	1.4	27
11	Thermal Links and Microstrip Transmission Lines in SPT-3G Bolometers. <i>Journal of Low Temperature Physics</i> , 2018, 193, 712-719.	1.4	5
12	Fabrication of Detector Arrays for the SPT-3G Receiver. <i>Journal of Low Temperature Physics</i> , 2018, 193, 703-711.	1.4	16
13	Year two instrument status of the SPT-3G cosmic microwave background receiver. , 2018, , .		29
14	Characterization and performance of the second-year SPT-3G focal plane. , 2018, , .		5
15	Design and characterization of the SPT-3G receiver. , 2018, , .		9
16	Broadband anti-reflective coatings for cosmic microwave background experiments. , 2018, , .		8
17	Optimization of Transition Edge Sensor Arrays for Cosmic Microwave Background Observations With the South Pole Telescope. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.7	16
18	Gyrotropic frequency control in ferromagnetic dots using a nanoscale vortex barrier. <i>AIP Advances</i> , 2016, 6, .	1.3	3

#	ARTICLE	IF	CITATIONS
19	Large arrays of dual-polarized multichroic TES detectors for CMB measurements with the SPT-3G receiver. , 2016, , .		9
20	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. Proceedings of SPIE, 2016, , .	0.8	15
21	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
22	Nitrogen incorporated ultrananocrystalline diamond based field emitter array for a flat-panel x-ray source. Journal of Applied Physics, 2014, 115, .	2.5	19
23	Construction of a ultrananocrystalline diamond-based cold cathode arrays for a flat-panel x-ray source. Proceedings of SPIE, 2013, , .	0.8	4
24	A Monte Carlo simulation study of a flat-panel X-ray source. Applied Radiation and Isotopes, 2012, 70, 1658-1666.	1.5	18
25	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
26	Electron field emission Particle-In-Cell (PIC) coupled with MCNPX simulation of a CNT-based flat-panel x-ray source. , 2011, , .		13