

Benjamin Westbrook

List of Publications by Year in descending order

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26
papers

650
citations

932766

10
h-index

713013

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all docs

26
docs citations

26
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Electrical Properties of the Frequency Multiplexed Cryogenic Readout System for Polarbear/Simons Array. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	1
2	The Simons Observatory Large Aperture Telescope Receiver. Astrophysical Journal, Supplement Series, 2021, 256, 23.	3.0	11
3	Deployment of Polarbear-2A. Journal of Low Temperature Physics, 2020, 199, 1137-1147.	0.6	8
4	Results of gravitational lensing and primordial gravitational waves from the POLARBEAR experiment. Journal of Physics: Conference Series, 2020, 1468, 012007.	0.3	0
5	Effect of Stray Impedance in Frequency-Division Multiplexed Readout of TES Sensors in POLARBEAR-2b. Journal of Low Temperature Physics, 2020, 199, 840-848.	0.6	2
6	Irradiation Tests of Superconducting Detectors and Comparison with Simulations. Journal of Low Temperature Physics, 2020, 199, 118-129.	0.6	1
7	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. Astrophysical Journal, 2020, 897, 55.	1.6	41
8	A Measurement of the CMB E-mode Angular Power Spectrum at Subdegree Scales from 670 Square Degrees of POLARBEAR Data. Astrophysical Journal, 2020, 904, 65.	1.6	27
9	Evidence for the Cross-correlation between Cosmic Microwave Background Polarization Lensing from Polarbear and Cosmic Shear from Subaru Hyper Suprime-Cam. Astrophysical Journal, 2019, 882, 62.	1.6	20
10	LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection. Journal of Low Temperature Physics, 2019, 194, 443-452.	0.6	193
11	The POLARBEAR Fourier transform spectrometer calibrator and spectroscopic characterization of the POLARBEAR instrument. Review of Scientific Instruments, 2019, 90, 115115.	0.6	7
12	Weak-lensing mass calibration of the Sunyaev-Zel'dovich effect using APEX-SZ galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1728-1759.	1.6	18
13	Hierarchical sinuous-antenna phased array for millimeter wavelengths. Applied Physics Letters, 2018, 112, .	1.5	8
14	Lithographed Superconducting Resonator Development for Next-Generation Frequency Multiplexing Readout of Transition-Edge Sensors. Journal of Low Temperature Physics, 2018, 193, 498-504.	0.6	1
15	Detector and Readout Assembly and Characterization for the Simons Array. Journal of Low Temperature Physics, 2018, 193, 1094-1102.	0.6	4
16	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. Journal of Low Temperature Physics, 2018, 193, 758-770.	0.6	16
17	Magnetic Sensitivity of AlMn TESes and Shielding Considerations for Next-Generation CMB Surveys. Journal of Low Temperature Physics, 2018, 193, 288-297.	0.6	9
18	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. Journal of Low Temperature Physics, 2018, 193, 1048-1056.	0.6	96

#	ARTICLE	IF	CITATIONS
19	Developments of Highly Multiplexed, Multi-chroic Pixels for Balloon-Borne Platforms. Journal of Low Temperature Physics, 2018, 193, 298-304.	0.6	0
20	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. Journal of Low Temperature Physics, 2018, 193, 841-850.	0.6	6
21	Studies of systematic uncertainties for Simons Observatory: detector array effects. , 2018, , .		8
22	Development of the Next Generation of Multi-chroic Antenna-Coupled Transition Edge Sensor Detectors for CMB Polarimetry. Journal of Low Temperature Physics, 2016, 184, 74-81.	0.6	18
23	The Polarbear-2 and the Simons Array Experiments. Journal of Low Temperature Physics, 2016, 184, 805-810.	0.6	139
24	Design Evolution of the Spiderweb TES Bolometer for Cosmology Applications. Journal of Low Temperature Physics, 2012, 167, 885-891.	0.6	13
25	Further Optimization of the APEX-SZ TES Bolometer Array. , 2009, , .		3
26	Recent Developments of Commercially Fabricated Horn Antenna-Coupled Transition-Edge Sensor Bolometer Detectors for Next-Generation Cosmic Microwave Background Polarimetry Experiments. Journal of Low Temperature Physics, 0, , 1.	0.6	0