

# Benjamin Westbrook

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/52646/publications.pdf>

Version: 2024-02-01

26  
papers

650  
citations

932766

10  
h-index

713013

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1124  
citing authors

#	ARTICLE	IF	CITATIONS
1	LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection. <i>Journal of Low Temperature Physics</i> , 2019, 194, 443-452.	0.6	193
2	The Polarbear-2 and the Simons Array Experiments. <i>Journal of Low Temperature Physics</i> , 2016, 184, 805-810.	0.6	139
3	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1048-1056.	0.6	96
4	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. <i>Astrophysical Journal</i> , 2020, 897, 55.	1.6	41
5	A Measurement of the CMB E-mode Angular Power Spectrum at Subdegree Scales from 670 Square Degrees of POLARBEAR Data. <i>Astrophysical Journal</i> , 2020, 904, 65.	1.6	27
6	Evidence for the Cross-correlation between Cosmic Microwave Background Polarization Lensing from Polarbear and Cosmic Shear from Subaru Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2019, 882, 62.	1.6	20
7	Development of the Next Generation of Multi-chroic Antenna-Coupled Transition Edge Sensor Detectors for CMB Polarimetry. <i>Journal of Low Temperature Physics</i> , 2016, 184, 74-81.	0.6	18
8	Weak-lensing mass calibration of the Sunyaev-Zel'dovich effect using APEX-SZ galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1728-1759.	1.6	18
9	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. <i>Journal of Low Temperature Physics</i> , 2018, 193, 758-770.	0.6	16
10	Design Evolution of the Spiderweb TES Bolometer for Cosmology Applications. <i>Journal of Low Temperature Physics</i> , 2012, 167, 885-891.	0.6	13
11	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	3.0	11
12	Magnetic Sensitivity of AlMn TESes and Shielding Considerations for Next-Generation CMB Surveys. <i>Journal of Low Temperature Physics</i> , 2018, 193, 288-297.	0.6	9
13	Hierarchical sinuous-antenna phased array for millimeter wavelengths. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	8
14	Deployment of Polarbear-2A. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1137-1147.	0.6	8
15	Studies of systematic uncertainties for Simons Observatory: detector array effects. , 2018, , .		8
16	The POLARBEAR Fourier transform spectrometer calibrator and spectroscopic characterization of the POLARBEAR instrument. <i>Review of Scientific Instruments</i> , 2019, 90, 115115.	0.6	7
17	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2018, 193, 841-850.	0.6	6
18	Detector and Readout Assembly and Characterization for the Simons Array. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1094-1102.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Further Optimization of the APEX-SZ TES Bolometer Array. , 2009, , .		3
20	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
21	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
22	Irradiation Tests of Superconducting Detectors and Comparison with Simulations. Journal of Low Temperature Physics, 2020, 199, 118-129.	0.6	1
23	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
24	Developments of Highly Multiplexed, Multi-chroic Pixels for Balloon-Borne Platforms. Journal of Low Temperature Physics, 2018, 193, 298-304.	0.6	0
25	Results of gravitational lensing and primordial gravitational waves from the POLARBEAR experiment. Journal of Physics: Conference Series, 2020, 1468, 012007.	0.3	0
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