

# Peter A R Ade

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,848  
citations

623734

14  
h-index

434195

31  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2107  
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	A review of metal mesh filters. , 2006, , .		170
3	The Atacama Cosmology Telescope: a measurement of the Cosmic Microwave Background power spectra at 98 and 150 GHz. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 045-045.	5.4	148
4	BLAST: RESOLVING THE COSMIC SUBMILLIMETER BACKGROUND. <i>Astrophysical Journal</i> , 2009, 707, 1729-1739.	4.5	140
5	The Atacama Cosmology Telescope: CMB polarization at 200 &lt;math>\mu\text{m}</math> and 9000. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 007-007.	5.4	121
6	EBEX: a balloon-borne CMB polarization experiment. <i>Proceedings of SPIE</i> , 2010, , .	0.8	68
7	Relative Alignment between the Magnetic Field and Molecular Gas Structure in the Vela C Giant Molecular Cloud Using Low- and High-density Tracers. <i>Astrophysical Journal</i> , 2019, 878, 110.	4.5	49
8	A dual-polarized broadband planar antenna and channelizing filter bank for millimeter wavelengths. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	40
9	A passive terahertz video camera based on lumped element kinetic inductance detectors. <i>Review of Scientific Instruments</i> , 2016, 87, 033105.	1.3	37
10	The Next Generation BLAST Experiment. <i>Journal of Astronomical Instrumentation</i> , 2014, 03, .	1.5	34
11	Thermal filtering for large aperture cryogenic detector arrays. , 2006, 6275, 239.		33
12	First Observation of the Submillimeter Polarization Spectrum in a Translucent Molecular Cloud. <i>Astrophysical Journal</i> , 2018, 857, 10.	4.5	29
13	The EBEX Balloon-borne Experimentâ€™s Gondola, Attitude Control, and Control Software. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 9.	7.7	26
14	The EBEX Balloon-borne Experimentâ€™s Optics, Receiver, and Polarimetry. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 7.	7.7	23
15	A cryogenic half-wave plate polarimeter using a superconducting magnetic bearing. <i>Proceedings of SPIE</i> , 2011, , .	0.8	19
16	A cryogenic rotation stage with a large clear aperture for the half-wave plates in the Spider instrument. <i>Review of Scientific Instruments</i> , 2016, 87, 014501.	1.3	16
17	POLARBEAR: Ultra-high Energy Physics with Measurements of CMB Polarization. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	13
18	The EBEX Balloon-borne Experimentâ€™s Detectors and Readout. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 8.	7.7	13

#	ARTICLE	IF	CITATIONS
19	EBEX: the E and B Experiment. Proceedings of SPIE, 2008, , .	0.8	12
20	Submillimeter Polarization Spectrum of the Carina Nebula. Astrophysical Journal, 2019, 872, 197.	4.5	12
21	The Simons Observatory Large Aperture Telescope Receiver. Astrophysical Journal, Supplement Series, 2021, 256, 23.	7.7	11
22	A Log-Periodic Channelizer for Multichroic Antenna-Coupled TES-Bolometers. IEEE Transactions on Applied Superconductivity, 2011, 21, 180-183.	1.7	10
23	The performance of the bolometer array and readout system during the 2012/2013 flight of the E and B experiment (EBEX). Proceedings of SPIE, 2014, , .	0.8	9
24	Broadband anti-reflective coatings for cosmic microwave background experiments. , 2018, , .		8
25	An Optical System for Body Imaging from a Distance Using Near-TeraHertz Frequencies. Journal of Low Temperature Physics, 2008, 151, 777-783.	1.4	7
26	Software systems for operation, control, and monitoring of the EBEX instrument. Proceedings of SPIE, 2010, , .	0.8	7
27	An angle-scanned cryogenic Fabry-Pérot interferometer for far-infrared astronomy. Review of Scientific Instruments, 2020, 91, 083108.	1.3	7
28	A dual-port THz Time Domain Spectroscopy System optimized for recovery of a sample's Jones matrix. Scientific Reports, 2019, 9, 2099.	3.3	6
29	First implementation of TES bolometer arrays with SQUID-based multiplexed readout on a balloon-borne platform. Proceedings of SPIE, 2010, , .	0.8	5
30	BFORE: The B-mode Foreground Experiment. Journal of Low Temperature Physics, 2016, 184, 746-753.	1.4	5
31	THE EBEX CRYOSTAT AND SUPPORTING ELECTRONICS. , 2012, , .		5
32	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
33	Performance and characterization of the SPT-3G digital frequency-domain multiplexed readout system using an improved noise and crosstalk model. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	4
34	Clover polarimetric detector - a novel design of an ortho-mode transducer at 150 and 225 GHz. , 2008, , .		3
35	Measuring Reionization, Neutrino Mass, and Cosmic Inflation with BFORE. Journal of Low Temperature Physics, 2018, 193, 1033-1040.	1.4	3
36	Intensity-coupled Polarization in Instruments with a Continuously Rotating Half-wave Plate. Astrophysical Journal, 2019, 876, 54.	4.5	2

#	ARTICLE	IF	CITATIONS
37	Detailed Characterization of a Lensterâ€™ A mm-Wave Flat Lens. IEEE Transactions on Antennas and Propagation, 2019, 67, 3178-3184.	5.1	2
38	Temperature calibration of the E and B Experiment. , 2017, , .		2
39	Dual focus polarisation lens: Theory. , 2014, , .		1
40	A focusing metamaterial based Wollaston Prism. , 2014, , .		1
41	MetaTel: Ongoing work on a meta-material sub-THz telescope for Earth observing. , 2021, , .		1
42	Development of a Cryogenic Far-infrared Grating Spectrometer for a Post-dispersed Fourier Transform Spectrometer. , 2020, , .		1
43	First Tests of Prototype SCUBA-2 Superconducting Bolometer Array. AIP Conference Proceedings, 2006, , .	0.4	0
44	Characterising and calibrating the SCUBA-2 superconducting bolometer arrays for science observing. , 2010, , .		0
45	Lenster - A mm-wave flat lens: Further analysis. , 2013, , .		0
46	Spatial/spectral interferometry development for far-infrared space applications. , 2014, , .		0
47	ICEMuSIC â€™ A new instrument concept for mm-wave observations of ice clouds, and temperature and humidity sounding from space. , 2015, , .		0
48	Novel metal mesh polarisation sensitive optical elements for THz de-multiplexing. , 2016, , .		0
49	Development of a Far-infrared Grating Spectrometer for a Post-dispersed Fourier Transform Spectrometer. , 2021, , .		0
50	Application of non-PEC walled mode-matching techniques to a prototype SAFARI M-band multimode receiver.. , 2020, , .		0