

Peter A R Ade

List of Publications by Year in descending order

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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	Performance and characterization of the SPT-3G digital frequency-domain multiplexed readout system using an improved noise and crosstalk model. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.8	4
2	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	7.7	11
3	MetaTel: Ongoing work on a meta-material sub-THz telescope for Earth observing. , 2021, , .		1
4	Development of a Far-infrared Grating Spectrometer for a Post-dispersed Fourier Transform Spectrometer. , 2021, , .		0
5	An angle-scanned cryogenic Fabry-Pérot interferometer for far-infrared astronomy. <i>Review of Scientific Instruments</i> , 2020, 91, 083108.	1.3	7
6	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
7	Application of non-PEC walled mode-matching techniques to a prototype SAFARI M-band multimode receiver.. , 2020, , .		0
8	Development of a Cryogenic Far-infrared Grating Spectrometer for a Post-dispersed Fourier Transform Spectrometer. , 2020, , .		1
9	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
10	Intensity-coupled Polarization in Instruments with a Continuously Rotating Half-wave Plate. <i>Astrophysical Journal</i> , 2019, 876, 54.	4.5	2
11	Submillimeter Polarization Spectrum of the Carina Nebula. <i>Astrophysical Journal</i> , 2019, 872, 197.	4.5	12
12	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	5.4	741
13	Detailed Characterization of a Lenslet A mm-Wave Flat Lens. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 3178-3184.	5.1	2
14	A dual-port THz Time Domain Spectroscopy System optimized for recovery of a sample's Jones matrix. <i>Scientific Reports</i> , 2019, 9, 2099.	3.3	6
15	The EBEX Balloon-borne Experiment's Optics, Receiver, and Polarimetry. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 7.	7.7	23
16	The EBEX Balloon-borne Experiment's Detectors and Readout. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 8.	7.7	13
17	The EBEX Balloon-borne Experiment's Gondola, Attitude Control, and Control Software. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 9.	7.7	26
18	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

#	ARTICLE	IF	CITATIONS
19	Measuring Reionization, Neutrino Mass, and Cosmic Inflation with BFORE. Journal of Low Temperature Physics, 2018, 193, 1033-1040.	1.4	3
20	First Observation of the Submillimeter Polarization Spectrum in a Translucent Molecular Cloud. Astrophysical Journal, 2018, 857, 10.	4.5	29
21	Broadband anti-reflective coatings for cosmic microwave background experiments. , 2018, , .		8
22	Temperature calibration of the E and B Experiment. , 2017, , .		2
23	A cryogenic rotation stage with a large clear aperture for the half-wave plates in the Spider instrument. Review of Scientific Instruments, 2016, 87, 014501.	1.3	16
24	A passive terahertz video camera based on lumped element kinetic inductance detectors. Review of Scientific Instruments, 2016, 87, 033105.	1.3	37
25	Novel metal mesh polarisation sensitive optical elements for THz de-multiplexing. , 2016, , .		0
26	BFORE: The B-mode Foreground Experiment. Journal of Low Temperature Physics, 2016, 184, 746-753.	1.4	5
27	ICEMuSIC – A new instrument concept for mm-wave observations of ice clouds, and temperature and humidity sounding from space. , 2015, , .		0
28	The Next Generation BLAST Experiment. Journal of Astronomical Instrumentation, 2014, 03, .	1.5	34
29	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
30	Spatial/spectral interferometry development for far-infrared space applications. , 2014, , .		0
31	Dual focus polarisation lens: Theory. , 2014, , .		1
32	A focusing metamaterial based Wollaston Prism. , 2014, , .		1
33	The Atacama Cosmology Telescope: CMB polarization at 200 <math>\mu\text{m}</math> and 9000. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 007-007.	5.4	121
34	A dual-polarized broadband planar antenna and channelizing filter bank for millimeter wavelengths. Applied Physics Letters, 2013, 102, .	3.3	40
35	Lenster - A mm-wave flat lens: Further analysis. , 2013, , .		0
36	THE EBEX CRYOSTAT AND SUPPORTING ELECTRONICS. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
37	A Log-Periodic Channelizer for Multichroic Antenna-Coupled TES-Bolometers. IEEE Transactions on Applied Superconductivity, 2011, 21, 180-183.	1.7	10
38	A cryogenic half-wave plate polarimeter using a superconducting magnetic bearing. Proceedings of SPIE, 2011, , .	0.8	19
39	Software systems for operation, control, and monitoring of the EBEX instrument. Proceedings of SPIE, 2010, , .	0.8	7
40	First implementation of TES bolometer arrays with SQUID-based multiplexed readout on a balloon-borne platform. Proceedings of SPIE, 2010, , .	0.8	5
41	EBEX: a balloon-borne CMB polarization experiment. Proceedings of SPIE, 2010, , .	0.8	68
42	Characterising and calibrating the SCUBA-2 superconducting bolometer arrays for science observing. , 2010, , .		0
43	BLAST: RESOLVING THE COSMIC SUBMILLIMETER BACKGROUND. Astrophysical Journal, 2009, 707, 1729-1739.	4.5	140
44	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
45	Clover polarimetric detector - a novel design of an ortho-mode transducer at 150 and 225 GHz. , 2008, , .		3
46	POLARBEAR: Ultra-high Energy Physics with Measurements of CMB Polarization. AIP Conference Proceedings, 2008, , .	0.4	13
47	EBEX: the E and B Experiment. Proceedings of SPIE, 2008, , .	0.8	12
48	A review of metal mesh filters. , 2006, , .		170
49	Thermal filtering for large aperture cryogenic detector arrays. , 2006, 6275, 239.		33
50	First Tests of Prototype SCUBA-2 Superconducting Bolometer Array. AIP Conference Proceedings, 2006, , .	0.4	0