

Edward J Wollack

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6016747/publications.pdf>

Version: 2024-02-01

452
papers

61,751
citations

7551

77
h-index

830

245
g-index

454
all docs

454
docs citations

454
times ranked

19088
citing authors

#	ARTICLE	IF	CITATIONS
1	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Determination of Cosmological Parameters. Astrophysical Journal, Supplement Series, 2003, 148, 175-194.	3.0	8,793
2	SEVEN-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: COSMOLOGICAL INTERPRETATION. Astrophysical Journal, Supplement Series, 2011, 192, 18.	3.0	6,656
3	Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Implications for Cosmology. Astrophysical Journal, Supplement Series, 2007, 170, 377-408.	3.0	5,244
4	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE OBSERVATIONS: COSMOLOGICAL INTERPRETATION. Astrophysical Journal, Supplement Series, 2009, 180, 330-376.	3.0	4,114
5	NINE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: COSMOLOGICAL PARAMETER RESULTS. Astrophysical Journal, Supplement Series, 2013, 208, 19.	3.0	3,998
6	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Preliminary Maps and Basic Results. Astrophysical Journal, Supplement Series, 2003, 148, 1-27.	3.0	3,843
7	NINE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: FINAL MAPS AND RESULTS. Astrophysical Journal, Supplement Series, 2013, 208, 20.	3.0	1,810
8	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE OBSERVATIONS: LIKELIHOODS AND PARAMETERS FROM THE WMAP DATA. Astrophysical Journal, Supplement Series, 2009, 180, 306-329.	3.0	1,337
9	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE OBSERVATIONS: DATA PROCESSING, SKY MAPS, AND BASIC RESULTS. Astrophysical Journal, Supplement Series, 2009, 180, 225-245.	3.0	1,316
10	SEVEN-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: POWER SPECTRA AND WMAP -DERIVED PARAMETERS. Astrophysical Journal, Supplement Series, 2011, 192, 16.	3.0	1,207
11	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Implications For Inflation. Astrophysical Journal, Supplement Series, 2003, 148, 213-231.	3.0	962
12	SEVEN-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: SKY MAPS, SYSTEMATIC ERRORS, AND BASIC RESULTS. Astrophysical Journal, Supplement Series, 2011, 192, 14.	3.0	922
13	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Foreground Emission. Astrophysical Journal, Supplement Series, 2003, 148, 97-117.	3.0	800
14	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Temperature Polarization Correlation. Astrophysical Journal, Supplement Series, 2003, 148, 161-173.	3.0	791
15	Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Temperature Analysis. Astrophysical Journal, Supplement Series, 2007, 170, 288-334.	3.0	778
16	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	1.9	741
17	Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Polarization Analysis. Astrophysical Journal, Supplement Series, 2007, 170, 335-376.	3.0	737
18	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: The Angular Power Spectrum. Astrophysical Journal, Supplement Series, 2003, 148, 135-159.	3.0	727

#	ARTICLE	IF	CITATIONS
19	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Tests of Gaussianity. <i>Astrophysical Journal, Supplement Series</i> , 2003, 148, 119-134.	3.0	534
20	The Primordial Inflation Explorer (PIXIE): a nulling polarimeter for cosmic microwave background observations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 025-025.	1.9	493
21	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Parameter Estimation Methodology. <i>Astrophysical Journal, Supplement Series</i> , 2003, 148, 195-211.	3.0	466
22	SEVEN-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: ARE THERE COSMIC MICROWAVE BACKGROUND ANOMALIES?. <i>Astrophysical Journal, Supplement Series</i> , 2011, 192, 17.	3.0	448
23	The Microwave Anisotropy Probe Mission. <i>Astrophysical Journal</i> , 2003, 583, 1-23.	1.6	413
24	The Atacama Cosmology Telescope: Sunyaev-Zel'dovich selected galaxy clusters at 148 GHz from three seasons of data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 008-008.	1.9	378
25	The Atacama Cosmology Telescope: DR4 maps and cosmological parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 047-047.	1.9	343
26	THE ATACAMA COSMOLOGY TELESCOPE: COSMOLOGICAL PARAMETERS FROM THE 2008 POWER SPECTRUM. <i>Astrophysical Journal</i> , 2011, 739, 52.	1.6	329
27	SEVEN-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: GALACTIC FOREGROUND EMISSION. <i>Astrophysical Journal, Supplement Series</i> , 2011, 192, 15.	3.0	320
28	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE OBSERVATIONS: ANGULAR POWER SPECTRA. <i>Astrophysical Journal, Supplement Series</i> , 2009, 180, 296-305.	3.0	291
29	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Interpretation of the TT and TE Angular Power Spectrum Peaks. <i>Astrophysical Journal, Supplement Series</i> , 2003, 148, 233-241.	3.0	248
30	Advanced ACTPol Cryogenic Detector Arrays and Readout. <i>Journal of Low Temperature Physics</i> , 2016, 184, 772-779.	0.6	240
31	THE ATACAMA COSMOLOGY TELESCOPE: SUNYAEV-ZEL'DOVICH-SELECTED GALAXY CLUSTERS AT 148 GHz IN THE 2008 SURVEY. <i>Astrophysical Journal</i> , 2011, 737, 61.	1.6	234
32	Detection of the Power Spectrum of Cosmic Microwave Background Lensing by the Atacama Cosmology Telescope. <i>Physical Review Letters</i> , 2011, 107, 021301.	2.9	225
33	ARCADE 2 MEASUREMENT OF THE ABSOLUTE SKY BRIGHTNESS AT 3-90 GHz. <i>Astrophysical Journal</i> , 2011, 734, 5.	1.6	219
34	Neutrino physics from the cosmic microwave background and large scale structure. <i>Astroparticle Physics</i> , 2015, 63, 66-80.	1.9	218
35	The Atacama Cosmology Telescope: cosmological parameters from three seasons of data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 060-060.	1.9	215
36	The Atacama Cosmology Telescope: temperature and gravitational lensing power spectrum measurements from three seasons of data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 014-014.	1.9	194

#	ARTICLE	IF	CITATIONS
37	Evidence of Galaxy Cluster Motions with the Kinematic Sunyaev-Zel'dovich Effect. <i>Physical Review Letters</i> , 2012, 109, 041101.	2.9	185
38	OVERVIEW OF THE ATACAMA COSMOLOGY TELESCOPE: RECEIVER, INSTRUMENTATION, AND TELESCOPE SYSTEMS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 194, 41.	3.0	180
39	First Year Wilkinson Microwave Anisotropy Probe Observations: Dark Energy Induced Correlation with Radio Sources. <i>Astrophysical Journal</i> , 2004, 608, 10-15.	1.6	177
40	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE OBSERVATIONS: GALACTIC FOREGROUND EMISSION. <i>Astrophysical Journal, Supplement Series</i> , 2009, 180, 265-282.	3.0	175
41	A Measurement of the Angular Power Spectrum of the Anisotropy in the Cosmic Microwave Background. <i>Astrophysical Journal</i> , 1997, 474, 47-66.	1.6	174
42	THE ATACAMA COSMOLOGY TELESCOPE: THE POLARIZATION-SENSITIVE ACTPol INSTRUMENT. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 21.	3.0	164
43	THE ATACAMA COSMOLOGY TELESCOPE: ACT-CL J0102+4915 – EL GORDO, A MASSIVE MERGING CLUSTER AT REDSHIFT 0.87. <i>Astrophysical Journal</i> , 2012, 748, 7.	1.6	158
44	Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Beam Profiles, Data Processing, Radiometer Characterization, and Systematic Error Limits. <i>Astrophysical Journal, Supplement Series</i> , 2007, 170, 263-287.	3.0	154
45	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.	1.9	148
46	SEVEN-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: PLANETS AND CELESTIAL CALIBRATION SOURCES. <i>Astrophysical Journal, Supplement Series</i> , 2011, 192, 19.	3.0	147
47	ACTPol: a polarization-sensitive receiver for the Atacama Cosmology Telescope. <i>Proceedings of SPIE</i> , 2010, , .	0.8	144
48	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM AT 148 AND 218 GHz FROM THE 2008 SOUTHERN SURVEY. <i>Astrophysical Journal</i> , 2011, 729, 62.	1.6	144
49	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Data Processing Methods and Systematic Error Limits. <i>Astrophysical Journal, Supplement Series</i> , 2003, 148, 63-95.	3.0	142
50	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Beam Profiles and Window Functions. <i>Astrophysical Journal, Supplement Series</i> , 2003, 148, 39-50.	3.0	140
51	THE ATACAMA COSMOLOGY TELESCOPE: COSMOLOGY FROM GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT. <i>Astrophysical Journal</i> , 2011, 732, 44.	1.6	140
52	The Atacama Cosmology Telescope: likelihood for small-scale CMB data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 025-025.	1.9	137
53	Galactic Microwave Emission at Degree Angular Scales. <i>Astrophysical Journal</i> , 1997, 482, L17-L20.	1.6	127
54	The Atacama Cosmology Telescope: CMB polarization at 200 <math>\mu\text{m}</math> and 9000. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 007-007.	1.9	121

#	ARTICLE	IF	CITATIONS
55	The Atacama Cosmology Telescope: The Two-season ACTPol Sunyaev-Zel'dovich Effect Selected Cluster Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 20.	3.0	121
56	The Atacama Cosmology Telescope: two-season ACTPol spectra and parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 031-031.	1.9	120
57	Evidence for Dark Energy from the Cosmic Microwave Background Alone Using the Atacama Cosmology Telescope Lensing Measurements. <i>Physical Review Letters</i> , 2011, 107, 021302.	2.9	118
58	The Atacama Cosmology Telescope: A Catalog of ~ 4000 Sunyaev-Zel'dovich Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 3.	3.0	118
59	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE OBSERVATIONS: SOURCE CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2009, 180, 283-295.	3.0	112
60	Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Foreground Polarization. <i>Astrophysical Journal</i> , 2007, 665, 355-362.	1.6	108
61	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE (WMAP) OBSERVATIONS: BAYESIAN ESTIMATION OF COSMIC MICROWAVE BACKGROUND POLARIZATION MAPS. <i>Astrophysical Journal</i> , 2009, 701, 1804-1813.	1.6	107
62	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE 600 μm AND 8000 COSMIC MICROWAVE BACKGROUND POWER SPECTRUM AT 148 GHz. <i>Astrophysical Journal</i> , 2010, 722, 1148-1161.	1.6	107
63	Two-season Atacama Cosmology Telescope polarimeter lensing power spectrum. <i>Physical Review D</i> , 2017, 95, .	1.6	104
64	INTERPRETATION OF THE ARCADE 2 ABSOLUTE SKY BRIGHTNESS MEASUREMENT. <i>Astrophysical Journal</i> , 2011, 734, 6.	1.6	100
65	Design, Implementation, and Testing of the Microwave Anisotropy Probe Radiometers. <i>Astrophysical Journal, Supplement Series</i> , 2003, 145, 413-436.	3.0	98
66	THE ATACAMA COSMOLOGY TELESCOPE: PHYSICAL PROPERTIES AND PURITY OF A GALAXY CLUSTER SAMPLE SELECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT. <i>Astrophysical Journal</i> , 2010, 723, 1523-1541.	1.6	98
67	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE PRIMORDIAL POWER SPECTRUM. <i>Astrophysical Journal</i> , 2012, 749, 90.	1.6	97
68	THE ATACAMA COSMOLOGY TELESCOPE: DYNAMICAL MASSES AND SCALING RELATIONS FOR A SAMPLE OF MASSIVE SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTERS \hat{M}_c . <i>Astrophysical Journal</i> , 2013, 772, 25.	1.6	97
69	The Atacama Cosmology Telescope: Cross-correlation of cosmic microwave background lensing and quasars. <i>Physical Review D</i> , 2012, 86, .	1.6	91
70	CLASS: the cosmology large angular scale surveyor. <i>Proceedings of SPIE</i> , 2014, , .	0.8	90
71	Inflation physics from the cosmic microwave background and large scale structure. <i>Astroparticle Physics</i> , 2015, 63, 55-65.	1.9	90
72	Evidence for the kinematic Sunyaev-Zel'dovich effect with the Atacama Cosmology Telescope and velocity reconstruction from the Baryon Oscillation Spectroscopic Survey. <i>Physical Review D</i> , 2016, 93, .	1.6	90

#	ARTICLE	IF	CITATIONS
73	HAWC+, the Far-Infrared Camera and Polarimeter for SOFIA. Journal of Astronomical Instrumentation, 2018, 07, .	0.8	87
74	Precision epoch of reionization studies with next-generation CMB experiments. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 010-010.	1.9	83
75	The anisotropy in the cosmic microwave background at degree angular scales. Astrophysical Journal, 1995, 445, L69.	1.6	82
76	Large-aperture wide-bandwidth antireflection-coated silicon lenses for millimeter wavelengths. Applied Optics, 2013, 52, 8747.	0.9	81
77	THE ATACAMA COSMOLOGY TELESCOPE (ACT): BEAM PROFILES AND FIRST SZ CLUSTER MAPS. Astrophysical Journal, Supplement Series, 2010, 191, 423-438.	3.0	79
78	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
79	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. Astrophysical Journal, 2022, 926, 54.	1.6	79
80	Infrared dielectric properties of low-stress silicon nitride. Optics Letters, 2012, 37, 4200.	1.7	77
81	The Optical Design and Characterization of the Microwave Anisotropy Probe. Astrophysical Journal, 2003, 585, 566-586.	1.6	76
82	Atacama Cosmology Telescope: Combined kinematic and thermal Sunyaev-Zel'dovich measurements from BOSS CMASS and LOWZ halos. Physical Review D, 2021, 103, .	1.6	76
83	First Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: On Orbit Radiometer Characterization. Astrophysical Journal, Supplement Series, 2003, 148, 29-37.	3.0	75
84	THE ATACAMA COSMOLOGY TELESCOPE: EXTRAGALACTIC SOURCES AT 148 GHz IN THE 2008 SURVEY. Astrophysical Journal, 2011, 731, 100.	1.6	75
85	A Broadband Planar Magic-T Using Microstrip Slotline Transitions. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 172-177.	2.9	72
86	Weak-lensing Mass Calibration of ACTPol Sunyaev-Zel'dovich Clusters with the Hyper Suprime-Cam Survey. Astrophysical Journal, 2019, 875, 63.	1.6	72
87	THE ATACAMA COSMOLOGY TELESCOPE: DATA CHARACTERIZATION AND MAPMAKING. Astrophysical Journal, 2013, 762, 10.	1.6	70
88	Evidence of Lensing of the Cosmic Microwave Background by Dark Matter Halos. Physical Review Letters, 2015, 114, 151302.	2.9	70
89	Detection of the pairwise kinematic Sunyaev-Zel'dovich effect with BOSS DR11 and the Atacama Cosmology Telescope. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 008-008.	1.9	70
90	A Measurement of the Anisotropy in the Cosmic Microwave Background Radiation at Degree Angular Scales. Astrophysical Journal, 1993, 419, L49.	1.6	69

#	ARTICLE	IF	CITATIONS
91	FIVE-YEAR WILKINSON MICROWAVE ANISOTROPY PROBE OBSERVATIONS: BEAM MAPS AND WINDOW FUNCTIONS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 180, 246-264.	3.0	68
92	The Atacama Cosmology Telescope: a CMB lensing mass map over 2100 square degrees of sky and its cross-correlation with BOSS-CMASS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2250-2263.	1.6	68
93	THE ATACAMA COSMOLOGY TELESCOPE: LENSING OF CMB TEMPERATURE AND POLARIZATION DERIVED FROM COSMIC INFRARED BACKGROUND CROSS-CORRELATION. <i>Astrophysical Journal</i> , 2015, 808, 7.	1.6	66
94	Cosmological parameters from pre-planck cosmic microwave background measurements. <i>Physical Review D</i> , 2013, 87, .	1.6	65
95	ARCADE 2 OBSERVATIONS OF GALACTIC RADIO EMISSION. <i>Astrophysical Journal</i> , 2011, 734, 4.	1.6	64
96	HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1. <i>Astrophysical Journal</i> , 2019, 872, 187.	1.6	64
97	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1107-1117.	0.6	64
98	First measurement of the cross-correlation of CMB lensing and galaxy lensing. <i>Physical Review D</i> , 2015, 91, .	1.6	60
99	Atacama Cosmology Telescope: Modeling the gas thermodynamics in BOSS CMASS galaxies from kinematic and thermal Sunyaev-Zeldovich measurements. <i>Physical Review D</i> , 2021, 103, .	1.6	60
100	Atacama Cosmology Telescope: Constraints on prerecombination early dark energy. <i>Physical Review D</i> , 2022, 105, .	1.6	59
101	Atacama Cosmology Telescope: Component-separated maps of CMB temperature and the thermal Sunyaev-Zeldovich effect. <i>Physical Review D</i> , 2020, 102, .	1.6	56
102	The Simons Observatory: instrument overview. , 2018, , .		56
103	Millimeter-wave antireflection coating for cryogenic silicon lenses. <i>Applied Optics</i> , 2006, 45, 3746.	2.1	54
104	THE ATACAMA COSMOLOGY TELESCOPE: DETECTION OF SUNYAEV-ZEL'DOVICH DECREMENT IN GROUPS AND CLUSTERS ASSOCIATED WITH LUMINOUS RED GALAXIES. <i>Astrophysical Journal</i> , 2011, 736, 39.	1.6	52
105	Measurement of the splashback feature around SZ-selected Galaxy clusters with DES, SPT, and ACT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2900-2918.	1.6	52
106	The Atacama Cosmology Telescope: arcminute-resolution maps of 18 000 square degrees of the microwave sky from ACT 2008–2018 data combined with Planck. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 046-046.	1.9	50
107	Atacama Cosmology Telescope: Constraints on cosmic birefringence. <i>Physical Review D</i> , 2020, 101, .	1.6	50
108	First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Galactic Signal Contamination from Sidelobe Pickup. <i>Astrophysical Journal, Supplement Series</i> , 2003, 148, 51-62.	3.0	49

#	ARTICLE	IF	CITATIONS
109	Weak-lensing mass calibration of the Atacama Cosmology Telescope equatorial Sunyaev-Zeldovich cluster sample with the Canada-France-Hawaii telescope stripe 82 survey. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 013-013.	1.9	48
110	The Atacama Cosmology Telescope: dusty star-forming galaxies and active galactic nuclei in the Southern survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1556-1574.	1.6	47
111	An Instrument for Investigation of the Cosmic Microwave Background Radiation at Intermediate Angular Scales. <i>Astrophysical Journal</i> , 1997, 476, 440-457.	1.6	46
112	THE ARCADE 2 INSTRUMENT. <i>Astrophysical Journal</i> , 2011, 730, 138.	1.6	46
113	THE Q/U IMAGING EXPERIMENT INSTRUMENT. <i>Astrophysical Journal</i> , 2013, 768, 9.	1.6	45
114	A Low Cross-Polarization Smooth-Walled Horn With Improved Bandwidth. <i>IEEE Transactions on Antennas and Propagation</i> , 2010, 58, 1383-1387.	3.1	44
115	THE ATACAMA COSMOLOGY TELESCOPE: PHYSICAL PROPERTIES OF SUNYAEV-ZEL'DOVICH EFFECT CLUSTERS ON THE CELESTIAL EQUATOR. <i>Astrophysical Journal</i> , 2013, 765, 67.	1.6	43
116	SpIES: THE SPITZER IRAC EQUATORIAL SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2016, 225, 1.	3.0	43
117	The Cosmology Large Angular Scale Surveyor. <i>Proceedings of SPIE</i> , 2016, , .	0.8	43
118	Properties of a variable-delay polarization modulator. <i>Applied Optics</i> , 2012, 51, 197.	0.9	42
119	Electromagnetic and Thermal Properties of a Conductively Loaded Epoxy. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2008, 29, 51-61.	0.6	41
120	The Atacama Cosmology Telescope: measuring radio galaxy bias through cross-correlation with lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 849-858.	1.6	41
121	THE ATACAMA COSMOLOGY TELESCOPE: RELATION BETWEEN GALAXY CLUSTER OPTICAL RICHNESS AND SUNYAEV-ZEL'DOVICH EFFECT. <i>Astrophysical Journal</i> , 2013, 767, 38.	1.6	40
122	The cosmology large angular scale surveyor (CLASS): 40 GHz optical design. <i>Proceedings of SPIE</i> , 2012, , .	0.8	38
123	THE GISMO TWO-MILLIMETER DEEP FIELD IN GOODS-N. <i>Astrophysical Journal</i> , 2014, 790, 77.	1.6	38
124	The Atacama Cosmology Telescope: dynamical masses for 44 SZ-selected galaxy clusters over 755 square degrees. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 248-270.	1.6	38
125	A planar bandpass filter design with wide stopband using double split-end stepped-impedance resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006, 54, 1237-1244.	2.9	36
126	A High-Resolution Map of the Cosmic Microwave Background around the North Celestial Pole. <i>Astrophysical Journal</i> , 1997, 474, L77-L80.	1.6	36

#	ARTICLE	IF	CITATIONS
127	A measurement of the millimetre emission and the Sunyaev-Zel'dovich effect associated with low-frequency radio sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 460-478.	1.6	35
128	Results from the Wilkinson Microwave Anisotropy Probe. <i>Progress of Theoretical and Experimental Physics</i> , 2014, 2014, 6B102-0.	1.8	35
129	AlMn Transition Edge Sensors for Advanced ACTPol. <i>Journal of Low Temperature Physics</i> , 2016, 184, 66-73.	0.6	35
130	The Temperature of the Cosmic Microwave Background at 10 GHz. <i>Astrophysical Journal</i> , 2004, 612, 86-95.	1.6	34
131	THE ATACAMA COSMOLOGY TELESCOPE: CALIBRATION WITH THE WILKINSON MICROWAVE ANISOTROPY PROBE USING CROSS-CORRELATIONS. <i>Astrophysical Journal</i> , 2011, 740, 86.	1.6	34
132	Atacama Cosmology Telescope: A measurement of the thermal Sunyaev-Zel'dovich effect using the skewness of the CMB temperature distribution. <i>Physical Review D</i> , 2012, 86, .	1.6	34
133	POWER-LAW TEMPLATE FOR INFRARED POINT-SOURCE CLUSTERING. <i>Astrophysical Journal</i> , 2012, 752, 120.	1.6	34
134	A Kilopixel Array of TES Bolometers for ACT: Development, Testing, and First Light. <i>Journal of Low Temperature Physics</i> , 2008, 151, 690-696.	0.6	33
135	A Space-based Observational Strategy for Characterizing the First Stars and Galaxies Using the Redshifted 21 cm Global Spectrum. <i>Astrophysical Journal</i> , 2017, 844, 33.	1.6	33
136	Cosmological parameters from pre-Planck CMB measurements: A 2017 update. <i>Physical Review D</i> , 2017, 95, .	1.6	33
137	THE ATACAMA COSMOLOGY TELESCOPE: BEAM MEASUREMENTS AND THE MICROWAVE BRIGHTNESS TEMPERATURES OF URANUS AND SATURN. <i>Astrophysical Journal, Supplement Series</i> , 2013, 209, 17.	3.0	32
138	Advanced ACTPol Multichroic Polarimeter Array Fabrication Process for 150 mm Wafers. <i>Journal of Low Temperature Physics</i> , 2016, 184, 634-641.	0.6	32
139	The Clustering of High-redshift ($2.9 < z < 5.1$) Quasars in SDSS Stripe 82. <i>Astrophysical Journal</i> , 2018, 859, 20.	1.6	32
140	The Far-infrared Polarization Spectrum of Ophiuchi A from HAWC+/SOFIA Observations. <i>Astrophysical Journal</i> , 2019, 882, 113.	1.6	32
141	Characterization of the Mid-Frequency Arrays for Advanced ACTPol. <i>Journal of Low Temperature Physics</i> , 2018, 193, 267-275.	0.6	29
142	A 3D-printed broadband millimeter wave absorber. <i>Review of Scientific Instruments</i> , 2019, 90, 024701.	0.6	29
143	An Absolute Measurement of the Cosmic Microwave Background Radiation Temperature at 20 Centimeters. <i>Astrophysical Journal</i> , 1996, 458, 407.	1.6	29
144	A deep/wide 1.2 GHz snapshot survey of SDSS Stripe 82 using the Karl G. Jansky Very Large Array in a compact hybrid configuration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4433-4452.	1.6	28

#	ARTICLE	IF	CITATIONS
145	Evidence for the Thermal Sunyaev-Zel'dovich Effect Associated with Quasar Feedback. Monthly Notices of the Royal Astronomical Society, 0, , stw344.	1.6	28
146	CORRELATIONS IN THE (SUB)MILLIMETER BACKGROUND FROM ACT – BLAST. Astrophysical Journal, 2012, 744, 40.	1.6	27
147	The Atacama Cosmology Telescope: cross correlation with <i>Planck</i> maps. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 016-016.	1.9	27
148	The Atacama Cosmology Telescope: two-season ACTPol extragalactic point sources and their polarization properties. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5239-5262.	1.6	27
149	High-electron-mobility transistor gain stability and its design implications for wide band millimeter wave receivers. Review of Scientific Instruments, 1995, 66, 4305-4312.	0.6	26
150	On the redshift distribution and physical properties of ACT-selected DSFGs. Monthly Notices of the Royal Astronomical Society, 2017, 464, 968-984.	1.6	26
151	A Projected Estimate of the Reionization Optical Depth Using the CLASS Experiment's Sample Variance Limited E-mode Measurement. Astrophysical Journal, 2018, 863, 121.	1.6	26
152	Strong detection of the CMB lensing and galaxy weak lensing cross-correlation from ACT-DR4, <i>Planck</i> Legacy, and KiDS-1000. Astronomy and Astrophysics, 2021, 649, A146.	2.1	26
153	Horn Coupled Multichroic Polarimeters for the Atacama Cosmology Telescope Polarization Experiment. Journal of Low Temperature Physics, 2014, 176, 670.	0.6	25
154	Precision control of thermal transport in cryogenic single-crystal silicon devices. Journal of Applied Physics, 2014, 115, .	1.1	24
155	Infrared dielectric properties of low-stress silicon oxide. Optics Letters, 2016, 41, 1364.	1.7	24
156	SOFIA Far-infrared Imaging Polarimetry of M82 and NGC 253: Exploring the Supergalactic Wind. Astrophysical Journal Letters, 2019, 870, L9.	3.0	24
157	The Atacama Cosmology Telescope: Detection of the pairwise kinematic Sunyaev-Zel'dovich effect with SDSS DR15 galaxies. Physical Review D, 2021, 104, .	1.6	24
158	The MAP Satellite Feed Horns. Astrophysical Journal, Supplement Series, 2002, 143, 567-576.	3.0	23
159	GISMO, a 2mm Bolometer Camera Optimized for the Study of High Redshift Galaxies. Journal of Low Temperature Physics, 2008, 151, 709-714.	0.6	23
160	THE ATACAMA COSMOLOGY TELESCOPE: HIGH-RESOLUTION SUNYAEV-ZEL'DOVICH ARRAY OBSERVATIONS OF ACT SZE-SELECTED CLUSTERS FROM THE EQUATORIAL STRIP. Astrophysical Journal, 2012, 751, 12.	1.6	23
161	The CLASS 150/220GHz Polarimeter Array: Design, Assembly, and Characterization. Journal of Low Temperature Physics, 2020, 199, 289-297.	0.6	23
162	The Atacama Cosmology Telescope: delensed power spectra and parameters. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 031-031.	1.9	23

#	ARTICLE	IF	CITATIONS
163	An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 493-499.	3.0	22
164	ARCADE: Absolute radiometer for cosmology, astrophysics, and diffuse emission. <i>New Astronomy Reviews</i> , 2006, 50, 925-931.	5.2	22
165	Compact radiometric microwave calibrator. <i>Review of Scientific Instruments</i> , 2006, 77, 064905.	0.6	22
166	Micro-Spec: an ultracompact, high-sensitivity spectrometer for far-infrared and submillimeter astronomy. <i>Applied Optics</i> , 2014, 53, 1094.	0.9	22
167	MEASURING THE LARGEST ANGULAR SCALE CMB B-MODE POLARIZATION WITH GALACTIC FOREGROUNDS ON A CUT SKY. <i>Astrophysical Journal</i> , 2015, 814, 103.	1.6	22
168	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: 40 GHz Telescope Pointing, Beam Profile, Window Function, and Polarization Performance. <i>Astrophysical Journal</i> , 2020, 891, 134.	1.6	22
169	Interferometric polarization control. <i>Applied Optics</i> , 2006, 45, 5107.	2.1	21
170	The Primordial Inflation Polarization Explorer (PIPER). <i>Proceedings of SPIE</i> , 2014, , .	0.8	21
171	Small Aperture Telescopes for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020, 200, 461-471.	0.6	21
172	GISMO: a 2-millimeter bolometer camera for the IRAM 30 m telescope. , 2006, , .		20
173	The Atacama Cosmology Telescope: the stellar content of galaxy clusters selected using the Sunyaev-Zel'dovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 3469-3480.	1.6	20
174	The cosmology large angular scale surveyor (CLASS): 38-GHz detector array of bolometric polarimeters. <i>Proceedings of SPIE</i> , 2014, , .	0.8	20
175	Survey strategy optimization for the Atacama Cosmology Telescope. , 2016, , .		20
176	The mass and galaxy distribution around SZ-selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5758-5779.	1.6	20
177	Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock. <i>Astrophysical Journal</i> , 2021, 923, 37.	1.6	20
178	Millimeter-wave waveguide-bandwidth cryogenically-coolable InP HEMT amplifiers. , 0, , .		19
179	Subaru weak lensing measurement of a $z = 0.81$ cluster discovered by the Atacama Cosmology Telescope Surveyâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3627-3644.	1.6	19
180	RECOVERY OF LARGE ANGULAR SCALE CMB POLARIZATION FOR INSTRUMENTS EMPLOYING VARIABLE-DELAY POLARIZATION MODULATORS. <i>Astrophysical Journal</i> , 2016, 818, 151.	1.6	19

#	ARTICLE	IF	CITATIONS
181	Non-Gaussianity of secondary anisotropies from ACTPol and Planck. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 022-022.	1.9	19
182	The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 11.	3.0	19
183	Four-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: On-sky Receiver Performance at 40, 90, 150, and 220 GHz Frequency Bands. <i>Astrophysical Journal</i> , 2022, 926, 33.	1.6	19
184	An All Silicon Feedhorn-Coupled Focal Plane for Cosmic Microwave Background Polarimetry. <i>Journal of Low Temperature Physics</i> , 2012, 167, 904-910.	0.6	18
185	SOFIA/HAWC+ Traces the Magnetic Fields in NGC 1068. <i>Astrophysical Journal</i> , 2020, 888, 66.	1.6	18
186	Infrared properties of high-purity silicon. <i>Optics Letters</i> , 2020, 45, 4935.	1.7	18
187	Radiometric-Waveguide Calibrators. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2007, 56, 2073-2078.	2.4	17
188	Feedhorn-Coupled TES Polarimeters for Next-Generation CMB Instruments. <i>AIP Conference Proceedings</i> , 2009, , .	0.3	17
189	Planar Orthomode Transducers for Feedhorn-coupled TES Polarimeters. , 2009, , .		17
190	Fabrication of MKIDS for the MicroSpec Spectrometer. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 2400404-2400404.	1.1	17
191	Second-Generation Design of Micro-Spec: A Medium-Resolution, Submillimeter-Wavelength Spectrometer-on-a-Chip. <i>Journal of Low Temperature Physics</i> , 2018, 193, 923-930.	0.6	17
192	The Experiment for Cryogenic Large-Aperture Intensity Mapping (EXCLAIM). <i>Journal of Low Temperature Physics</i> , 2020, 199, 1027-1037.	0.6	17
193	The Simons Observatory Microwave SQUID Multiplexing Detector Module Design. <i>Astrophysical Journal</i> , 2021, 922, 38.	1.6	17
194	Slotline Stepped Circular Rings for Low-Loss Microstrip-to-Slotline Transitions. <i>IEEE Microwave and Wireless Components Letters</i> , 2007, 17, 100-102.	2.0	16
195	Fabrication of an Antenna-Coupled Bolometer for Cosmic Microwave Background Polarimetry. <i>AIP Conference Proceedings</i> , 2009, , .	0.3	16
196	A translational polarization rotator. <i>Applied Optics</i> , 2012, 51, 6824.	0.9	16
197	ACTPol: on-sky performance and characterization. <i>Proceedings of SPIE</i> , 2014, , .	0.8	16
198	The Primordial Inflation Polarization Explorer (PIPER). <i>Proceedings of SPIE</i> , 2016, , .	0.8	16

#	ARTICLE	IF	CITATIONS
199	Design and Deployment of a Multichroic Polarimeter Array on the Atacama Cosmology Telescope. <i>Journal of Low Temperature Physics</i> , 2016, 184, 568-575.	0.6	16
200	Toward Large Field-of-View High-Resolution X-ray Imaging Spectrometers: Microwave Multiplexed Readout of 28 TES Microcalorimeters. <i>Journal of Low Temperature Physics</i> , 2018, 193, 258-266.	0.6	16
201	Quantifying the thermal Sunyaev-Zel'dovich effect and excess millimetre emission in quasar environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2315-2335.	1.6	16
202	On-sky Performance of the CLASS Q-band Telescope. <i>Astrophysical Journal</i> , 2019, 876, 126.	1.6	16
203	Atacama Cosmology Telescope: Dusty Star-forming Galaxies and Active Galactic Nuclei in the Equatorial Survey. <i>Astrophysical Journal</i> , 2020, 893, 104.	1.6	16
204	Maps of Magnetic Field Strength in the OMC-1 Using HAWC+ FIR Polarimetric Data. <i>Astrophysical Journal</i> , 2021, 908, 98.	1.6	16
205	The Atacama Cosmology Telescope: Probing the baryon content of SDSS DR15 galaxies with the thermal and kinematic Sunyaev-Zel'dovich effects. <i>Physical Review D</i> , 2021, 104, .	1.6	16
206	THE RADIO-2 mm SPECTRAL INDEX OF THE CRAB NEBULA MEASURED WITH GISMO. <i>Astrophysical Journal</i> , 2011, 734, 54.	1.6	15
207	Cryogenic applications of commercial electronic components. <i>Cryogenics</i> , 2012, 52, 550-556.	0.9	15
208	Analysis and calibration techniques for superconducting resonators. <i>Review of Scientific Instruments</i> , 2015, 86, 013103.	0.6	15
209	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A Measurement of Circular Polarization at 40 GHz. <i>Astrophysical Journal</i> , 2020, 889, 105.	1.6	15
210	The Atacama Cosmology Telescope: Detection of Millimeter-wave Transient Sources. <i>Astrophysical Journal</i> , 2021, 915, 14.	1.6	15
211	The Atacama Cosmology Telescope: Weighing Distant Clusters with the Most Ancient Light. <i>Astrophysical Journal Letters</i> , 2020, 903, L13.	3.0	15
212	Diffraction Considerations for Planar Detectors in the Few-Mode Limit. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 430-438.	1.0	14
213	Hemispherical reflectance and emittance properties of carbon nanotubes coatings at infrared wavelengths. <i>Proceedings of SPIE</i> , 2011, , .	0.8	14
214	SCIENTIFIC VERIFICATION OF FARADAY ROTATION MODULATORS: DETECTION OF DIFFUSE POLARIZED GALACTIC EMISSION. <i>Astrophysical Journal</i> , 2013, 765, 64.	1.6	14
215	The design and characterization of wideband spline-profiled feedhorns for Advanced ACTPol. <i>Proceedings of SPIE</i> , 2016, , .	0.8	14
216	Advanced ACTPol Low-Frequency Array: Readout and Characterization of Prototype 27 and 39 GHz Transition Edge Sensors. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1103-1111.	0.6	14

#	ARTICLE	IF	CITATIONS
217	The Simons Observatory: gain, bandpass and polarization-angle calibration requirements for B-mode searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 032.	1.9	14
218	Deep reactive ion etched anti-reflection coatings for sub-millimeter silicon optics. <i>Applied Optics</i> , 2017, 56, 2796.	2.1	14
219	A high-resolution view of the filament of gas between Abell 399 and Abell 401 from the Atacama Cosmology Telescope and MUSTANG-2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3335-3355.	1.6	14
220	Design and calibration of a cryogenic blackbody calibrator at centimeter wavelengths. <i>Review of Scientific Instruments</i> , 2004, 75, 5079-5083.	0.6	13
221	Backshort-Under-Grid arrays for infrared astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 559, 522-524.	0.7	13
222	Characterization of transition edge sensors for the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. , 2008, , .		13
223	Fabrication of a Silicon Backshort Assembly for Waveguide-Coupled Superconducting Detectors. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 2500505-2500505.	1.1	13
224	The Simons Observatory: modeling optical systematics in the Large Aperture Telescope. <i>Applied Optics</i> , 2021, 60, 823.	0.9	13
225	The Simons Observatory: metamaterial microwave absorber and its cryogenic applications. <i>Applied Optics</i> , 2021, 60, 864.	0.9	13
226	Variable-delay polarization modulators for the CLASS telescopes. , 2018, , .		13
227	Prime-Cam: a first-light instrument for the CCAT-prime telescope. , 2018, , .		13
228	Simons Observatory: Constraining inflationary gravitational waves with multitracer $\langle \delta_{\ell}^2 \rangle$ -mode delensing. <i>Physical Review D</i> , 2022, 105, .	1.6	13
229	Ultra-low-noise, InP field effect transistor radio astronomy receivers: state-of-the-art. , 0, , .		12
230	A planar two-dimensional superconducting bolometer array for the Green Bank Telescope. , 2004, 5498, 208.		12
231	Instrument design and characterization of the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. <i>Proceedings of SPIE</i> , 2008, , .	0.8	12
232	Polarization modulators for CMBPol. <i>Journal of Physics: Conference Series</i> , 2009, 155, 012006.	0.3	12
233	Kilopixel backshort-under-grid arrays for the Primordial Inflation Polarization Explorer. <i>Proceedings of SPIE</i> , 2014, , .	0.8	12
234	Optical modeling and polarization calibration for CMB measurements with ACTPol and Advanced ACTPol. <i>Proceedings of SPIE</i> , 2016, , .	0.8	12

#	ARTICLE	IF	CITATIONS
235	A giant radio halo in a low-mass SZ-selected galaxy cluster: ACT-CL J0256.5+0006. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4240-4258.	1.6	12
236	GMRT 610MHz observations of galaxy clusters in the ACT equatorial sample. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1332-1349.	1.6	12
237	Design and characterization of the Cosmology Large Angular Scale Surveyor (CLASS) 93 GHz focal plane. , 2018, , .		12
238	Designs for next generation CMB survey strategies from Chile. , 2018, , .		12
239	Experiment for cryogenic large-aperture intensity mapping: instrument design. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.0	12
240	The design of a compact, wide spurious-free bandwidth bandpass filter using stepped impedance resonators. , 2005, , .		11
241	PAPPA: Primordial anisotropy polarization pathfinder array. New Astronomy Reviews, 2006, 50, 1009-1014.	5.2	11
242	The effects of the mechanical performance and alignment of the Atacama Cosmology Telescope on the sensitivity of microwave observations. Proceedings of SPIE, 2008, , .	0.8	11
243	Via-less microwave crossover using microstrip-CPW transitions in slotline propagation mode. , 2009, , .		11
244	Detector architecture of the cosmology large angular scale surveyor. Proceedings of SPIE, 2012, , .	0.8	11
245	Electromagnetic Design of Feedhorn-Coupled Transition-Edge Sensors for Cosmic Microwave Background Polarimetry. Journal of Low Temperature Physics, 2012, 167, 923-928.	0.6	11
246	A cryogenic infrared calibration target. Review of Scientific Instruments, 2014, 85, 044707.	0.6	11
247	The Primordial Inflation Explorer (PIXIE). Proceedings of SPIE, 2014, , .	0.8	11
248	Impedance matched absorptive thermal blocking filters. Review of Scientific Instruments, 2014, 85, 034702.	0.6	11
249	A robust waveguide millimeter-wave noise source. , 2015, , .		11
250	Broadband Planar 5:1 Impedance Transformer. IEEE Microwave and Wireless Components Letters, 2015, 25, 636-638.	2.0	11
251	A cryogenic thermal source for detector array characterization. Review of Scientific Instruments, 2017, 88, 104501.	0.6	11
252	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A First Detection of Atmospheric Circular Polarization at Q band. Astrophysical Journal, 2020, 889, 120.	1.6	11

#	ARTICLE	IF	CITATIONS
253	The Design of the CCAT-prime Epoch of Reionization Spectrometer Instrument. <i>Journal of Low Temperature Physics</i> , 2020, 199, 898-907.	0.6	11
254	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	3.0	11
255	Highly uniform 150 mm diameter multichroic polarimeter array deployed for CMB detection. <i>Proceedings of SPIE</i> , 2016, , .	0.8	11
256	HAWC+ Far-infrared Observations of the Magnetic Field Geometry in M51 and NGC 891. <i>Astronomical Journal</i> , 2020, 160, 167.	1.9	11
257	Cosmic Microwave Background Polarization Detector with High Efficiency, Broad Bandwidth, and Highly Symmetric Coupling to Transition Edge Sensor Bolometers. <i>Journal of Low Temperature Physics</i> , 2008, 151, 471-476.	0.6	10
258	Systems and control software for the Atacama Cosmology Telescope. <i>Proceedings of SPIE</i> , 2008, , .	0.8	10
259	Opto-mechanical design and performance of a compact three-frequency camera for the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. <i>Proceedings of SPIE</i> , 2008, , .	0.8	10
260	5,120 superconducting bolometers for the PIPER balloon-borne CMB polarization experiment. <i>Proceedings of SPIE</i> , 2010, , .	0.8	10
261	Modeling the intensity and polarization response of planar bolometric detectors. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010, 27, 1219.	0.8	10
262	Variable-delay polarization modulators for cryogenic millimeter-wave applications. <i>Review of Scientific Instruments</i> , 2014, 85, 064501.	0.6	10
263	SALT spectroscopic observations of galaxy clusters detected by ACT and a type II quasar hosted by a brightest cluster galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 4010-4026.	1.6	10
264	THE ATACAMA COSMOLOGY TELESCOPE: THE LABOCA/ACT SURVEY OF CLUSTERS AT ALL REDSHIFTS. <i>Astrophysical Journal</i> , 2015, 803, 79.	1.6	10
265	Fabrication of Feedhorn-Coupled Transition Edge Sensor Arrays for Measurement of the Cosmic Microwave Background Polarization. <i>Journal of Low Temperature Physics</i> , 2016, 184, 668-673.	0.6	10
266	The Advanced ACTPol 27/39 GHz Array. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1041-1047.	0.6	10
267	Feedhorn development and scalability for Simons Observatory and beyond. , 2018, , .		10
268	The Atacama Cosmology Telescope: Microwave Intensity and Polarization Maps of the Galactic Center. <i>Astrophysical Journal</i> , 2021, 920, 6.	1.6	10
269	The Atacama Cosmology Telescope: A Search for Planet 9. <i>Astrophysical Journal</i> , 2021, 923, 224.	1.6	10
270	Characterization of TES bolometers used in 2-dimensional Backshort-Under-Grid (BUG) arrays for far-infrared astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 559, 545-547.	0.7	9

#	ARTICLE	IF	CITATIONS
271	Silicon-based antenna-coupled polarization-sensitive millimeter-wave bolometer arrays for cosmic microwave background instruments. Proceedings of SPIE, 2016, , .	0.8	9
272	A broadband micro-machined far-infrared absorber. Review of Scientific Instruments, 2016, 87, 054701.	0.6	9
273	The First Multichroic Polarimeter Array on the Atacama Cosmology Telescope: Characterization and Performance. Journal of Low Temperature Physics, 2016, 184, 559-567.	0.6	9
274	Design and performance of a high resolution $\frac{1}{4}$ -spec: an integrated sub-millimeter spectrometer. Proceedings of SPIE, 2016, , .	0.8	9
275	SOFIA-HIRMES: Looking Forward to the High-Resolution Mid-infrared Spectrometer. Journal of Astronomical Instrumentation, 2018, 07, .	0.8	9
276	Enhanced quasiparticle lifetime in a superconductor by selective blocking of recombination phonons with a phononic crystal. Physical Review B, 2018, 98, .	1.1	9
277	Pushing the Limits of Broadband and High-Frequency Metamaterial Silicon Antireflection Coatings. Journal of Low Temperature Physics, 2018, 193, 876-885.	0.6	9
278	Advanced ACTPol TES Device Parameters and Noise Performance in Fielded Arrays. Journal of Low Temperature Physics, 2018, 193, 328-336.	0.6	9
279	The Atacama Cosmology Telescope: CO($J = 3 \rightarrow 2$) Mapping and Lens Modeling of an ACT-selected Dusty Star-forming Galaxy. Astrophysical Journal, 2019, 879, 95.	1.6	9
280	Far-infrared Polarization Spectrum of the OMC-1 Star-forming Region. Astrophysical Journal, 2021, 907, 46.	1.6	9
281	MERGHERS pilot: MeerKAT discovery of diffuse emission in nine massive Sunyaev-Zeldovich-selected galaxy clusters from ACT. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1749-1758.	1.6	9
282	Simons Observatory large aperture telescope receiver design overview. , 2018, , .		9
283	The Cosmology Large Angular Scale Surveyor receiver design. , 2018, , .		9
284	The ACADIA ASIC - detector control and digitization for the Wide-Field Infrared Survey Telescope (WFIRST). , 2018, , .		9
285	The primordial inflation polarization explorer (PIPER): current status and performance of the first flight (Conference Presentation). , 2018, , .		9
286	The Atacama Cosmology Telescope: Modeling bulk atmospheric motion. Physical Review D, 2022, 105, .	1.6	9
287	A Bandpass Filter Design Using Half-Wavelength Stepped Impedance Resonators With Internal Couplings. IEEE Microwave and Wireless Components Letters, 2006, 16, 443-445.	2.0	8
288	The Cosmic Microwave Background Temperature and Galactic Emission at 8.0 and 8.3 GHz. Astrophysical Journal, 2006, 653, 835-842.	1.6	8

#	ARTICLE	IF	CITATIONS
289	Far infrared through millimeter backshort-under-grid arrays. , 2006, , .		8
290	Ultrasensitive Quantum-Limited Far-Infrared STJ Detectors. IEEE Transactions on Applied Superconductivity, 2007, 17, 241-245.	1.1	8
291	Design and Fabrication Highlights Enabling a 128-Element Bolometer Array for GISMO. Journal of Low Temperature Physics, 2008, 151, 266-270.	0.6	8
292	Compact Planar Microwave Blocking Filter. , 2008, , .		8
293	Note: Vector reflectometry in a beam waveguide. Review of Scientific Instruments, 2011, 82, 086101.	0.6	8
294	Wide-stopband aperiodic phononic filters. Journal Physics D: Applied Physics, 2016, 49, 255301.	1.3	8
295	Performance of Backshort-Under-Grid Kilopixel TES Arrays for HAWC+. Journal of Low Temperature Physics, 2016, 184, 811-815.	0.6	8
296	Composite reflective/absorptive IR-blocking filters embedded in metamaterial antireflection-coated silicon. Applied Optics, 2017, 56, 5349.	2.1	8
297	Quantum Efficiency Study and Reflectivity Enhancement of Au/Bi Absorbers. Journal of Low Temperature Physics, 2020, 199, 393-400.	0.6	8
298	The Simons Observatory: The Large Aperture Telescope (LAT). Research Notes of the AAS, 2021, 5, 100.	0.3	8
299	Atacama Cosmology Telescope measurements of a large sample of candidates from the Massive and Distant Clusters of WISE Survey. Astronomy and Astrophysics, 2021, 653, A135.	2.1	8
300	Studies of systematic uncertainties for Simons Observatory: detector array effects. , 2018, , .		8
301	Performance of the advanced ACTPol low frequency array. , 2018, , .		8
302	Assembly development for the Simons Observatory focal plane readout module. , 2020, , .		8
303	Two Year Cosmology Large Angular Scale Surveyor (CLASS) Observations: Long Timescale Stability Achieved with a Front-end Variable-delay Polarization Modulator at 40 GHz. Astrophysical Journal, 2021, 922, 212.	1.6	8
304	The Hertz/VPM polarimeter: design and first light observations. Applied Optics, 2008, 47, 4429.	2.1	7
305	The Primordial Inflation Polarization Explorer (PIPER). Proceedings of SPIE, 2010, , .	0.8	7
306	The Primordial Inflation Polarization Explorer (PIPER). Proceedings of SPIE, 2012, , .	0.8	7

#	ARTICLE	IF	CITATIONS
307	A waveguide-coupled thermally isolated radiometric source. Review of Scientific Instruments, 2013, 84, 044701.	0.6	7
308	High-Density Superconducting Cables for Advanced ACTPol. Journal of Low Temperature Physics, 2016, 184, 473-479.	0.6	7
309	Sub-Kelvin cooling for two kilopixel bolometer arrays in the PIPER receiver. Review of Scientific Instruments, 2019, 90, 095104.	0.6	7
310	Assembly and Integration Process of the High-Density Detector Array Readout Modules for the Simons Observatory. Journal of Low Temperature Physics, 2020, 199, 985-993.	0.6	7
311	Transition-edge sensor detectors for the Origins Space Telescope. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.0	7
312	Room temperature plasma-etching and surface passivation of far-ultraviolet Al mirrors using electron beam generated plasmas. Optical Materials Express, 2021, 11, 740.	1.6	7
313	Origins Space Telescope: the far infrared imager and polarimeter FIP. , 2018, , .		7
314	Cold optical design for the large aperture Simons' Observatory telescope. , 2018, , .		7
315	Far-infrared properties of cyclic olefin copolymer. Optics Letters, 2020, 45, 780.	1.7	7
316	The Simons Observatory Small Aperture Telescope overview. , 2020, , .		7
317	Design and performance of wideband, low-noise, millimeter-wave amplifiers for microwave anisotropy probe radiometers. , 0, , .		6
318	Design and performance of sliced-aperture corrugated feed horn antennas. Review of Scientific Instruments, 2005, 76, 124703.	0.6	6
319	Sensitivity Measurements of a Transition-Edge Hot-Electron Microbolometer for Millimeter-Wave Astrophysical Observations. Journal of Low Temperature Physics, 2008, 151, 173-179.	0.6	6
320	Instrument performance of GISMO, a 2 millimeter TES bolometer camera used at the IRAM 30 m Telescope. Proceedings of SPIE, 2008, , .	0.8	6
321	Superconducting Films for Absorber-Coupled MKID Detectors for Sub-Millimeter and Far-Infrared Astronomy. IEEE Transactions on Applied Superconductivity, 2009, 19, 561-564.	1.1	6
322	Optical coupling. Journal of Physics: Conference Series, 2009, 155, 012005.	0.3	6
323	The Primordial Inflation Explorer (PIXIE). Proceedings of SPIE, 2011, , .	0.8	6
324	Stray light suppression in the Goddard IRAM 2-Millimeter Observer (GISMO). Proceedings of SPIE, 2012, , .	0.8	6

#	ARTICLE	IF	CITATIONS
325	Publisher's Note: Evidence of Lensing of the Cosmic Microwave Background by Dark Matter Halos [Phys. Rev. Lett. 114 , 151302 (2015)]. Physical Review Letters, 2015, 114, .	2.9	6
326	Cosmology Large Angular Scale Surveyor (CLASS) Focal Plane Development. Journal of Low Temperature Physics, 2016, 184, 759-764.	0.6	6
327	Modeling Strategies for Superconducting Microstrip Transmission Line Structures. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	6
328	Characterization of Transition Edge Sensors for the Simons Observatory. Journal of Low Temperature Physics, 2020, 199, 672-680.	0.6	6
329	Design and fabrication of metamaterial anti-reflection coatings for the Simons Observatory. , 2020, , .		6
330	Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. I. Evidence for Thermal Energy Anisotropy Using Oriented Stacking. Astrophysical Journal, 2022, 933, 134.	1.6	6
331	Antenna-coupled transition-edge hot-electron microbolometers. , 2004, , .		5
332	A Martin-Puplett architecture for polarization modulation and calibration. , 2004, 5492, 1487.		5
333	Electromagnetic considerations for pixellated planar bolometer arrays in the single-mode limit. , 2006, 6275, 263.		5
334	Technology developments toward large format long wavelength bolometer arrays. , 2007, , .		5
335	Design and performance of a high-throughput cryogenic detector system. Proceedings of SPIE, 2008, , .	0.8	5
336	Fabrication of an absorber-coupled MKID detector and readout for sub-millimeter and far-infrared astronomy. Proceedings of SPIE, 2010, , .	0.8	5
337	The Primordial Inflation Polarization Explorer (PIPER): optical design. Proceedings of SPIE, 2010, , .	0.8	5
338	Photonic choke-joints for dual-polarization waveguides. , 2010, , .		5
339	The Primordial Inflation Explorer (PIXIE) Mission. , 2010, , .		5
340	Measuring the optical properties of astrophysical dust analogues: instrumentation and methods. Applied Optics, 2011, 50, 4115.	2.1	5
341	Compact micromachined infrared bandpass filters for planetary spectroscopy. Applied Optics, 2012, 51, 3046.	0.9	5
342	The GISMO-2 bolometer camera. Proceedings of SPIE, 2012, , .	0.8	5

#	ARTICLE	IF	CITATIONS
343	A four-pole power-combiner design for far-infrared and submillimeter spectroscopy. <i>Acta Astronautica</i> , 2015, 114, 54-59.	1.7	5
344	Second-generation Micro-Spec: A compact spectrometer for far-infrared and submillimeter space missions. <i>Acta Astronautica</i> , 2019, 162, 155-159.	1.7	5
345	Venus Observations at 40 and 90 GHz with CLASS. <i>Planetary Science Journal</i> , 2021, 2, 71.	1.5	5
346	μ-spec spectrometers for the EXCLAIM instrument. , 2020, , .		5
347	Astrochemistry With the Orbiting Astronomical Satellite for Investigating Stellar Systems. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 8, .	1.1	5
348	A 350-μm array polarimeter using translational modulators. , 2004, 5492, 1450.		4
349	A two-dimensional semiconducting bolometer array for HAWC. , 2004, , .		4
350	The variable-delay polarization modulator. , 2006, , .		4
351	A large free-standing wire grid for microwave variable-delay polarization modulation. <i>Proceedings of SPIE</i> , 2008, , .	0.8	4
352	Optical efficiency of feedhorn-coupled TES polarimeters for next-generation CMB instruments. , 2010, , .		4
353	Photonic choke-joints for dual-polarization waveguides. , 2010, , .		4
354	Latest Results from GISMO: a 2-mm Bolometer Camera for the IRAM 30-m Telescope. <i>EAS Publications Series</i> , 2011, 52, 267-271.	0.3	4
355	Mirror illumination and spillover measurements of the Atacama Cosmology Telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
356	Angular and polarization response of multimode sensors with resistive-grid absorbers. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 1557.	0.8	4
357	Submillimeter and far-infrared dielectric properties of thin films. , 2016, , .		4
358	Superconducting Pathways Through Kilopixel Backshorted Grid Arrays. <i>Journal of Low Temperature Physics</i> , 2016, 184, 615-620.	0.6	4
359	Characterization of Si Membrane TES Bolometer Arrays for the HIRMES Instrument. <i>Journal of Low Temperature Physics</i> , 2018, 193, 241-248.	0.6	4
360	Far sidelobe effects from panel gaps of the Atacama Cosmology Telescope. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
361	SiAl alloy feedhorn arrays: material properties, feedhorn design, and astrophysical applications. , 2018, , .		4
362	Systematic uncertainties in the Simons Observatory: optical effects and sensitivity considerations. , 2018, , .		4
363	Overview and status of EXCLAIM, the experiment for cryogenic large-aperture intensity mapping. , 2020, , .		4
364	The Atacama Cosmology Telescope: measurement and analysis of 1D beams for DR4. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 044.	1.9	4
365	Anomalous Force on the Wilkinson Microwave Anisotropy Probe. Journal of Spacecraft and Rockets, 2004, 41, 1056-1062.	1.3	3
366	Polarization-Preserving Quadruple-Ridge Waveguide Filter and Four-fold Symmetric Transformer. , 2006, , .		3
367	The primordial anisotropy polarization pathfinder array (PAPPA): instrument overview and status. , 2006, , .		3
368	Building blocks for a polarimeter-on-a-chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 611-613.	0.7	3
369	A Compact Low-loss Magic-T using Microstrip-Slotline Transitions. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	3
370	Auxiliary components for kilopixel transition edge sensor arrays. Solid-State Electronics, 2008, 52, 1619-1624.	0.8	3
371	A wide-band smooth-walled feedhorn with low cross polarization for millimeter astronomy. Proceedings of SPIE, 2010, , .	0.8	3
372	Design and Performance of Kilo-Pixel TES Arrays for ACTPol. IEEE Transactions on Applied Superconductivity, 2013, 23, 2500704-2500704.	1.1	3
373	OPTICAL PROPERTIES OF IRON SILICATES IN THE INFRARED TO MILLIMETER AS A FUNCTION OF WAVELENGTH AND TEMPERATURE. Astrophysical Journal, 2013, 770, 46.	1.6	3
374	Scalable background-limited polarization-sensitive detectors for mm-wave applications. Proceedings of SPIE, 2014, , .	0.8	3
375	Micro-Spec: an integrated direct-detection spectrometer for far-infrared space telescopes. , 2014, , .		3
376	Characterization and Performance of a Kilo-TES Sub-Array for ACTPol. Journal of Low Temperature Physics, 2014, 176, 705.	0.6	3
377	Reduced Image Aliasing With Microwave Radiometers and Weather Radar Through Windowed Spatial Averaging. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6639-6649.	2.7	3
378	A Cryogenic Waveguide Mount for Microstrip Circuit and Material Characterization. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	3

#	ARTICLE	IF	CITATIONS
379	Multiwavelength Characterization of an ACT-selected, Lensed Dusty Star-forming Galaxy at $z = 2.64$. <i>Astrophysical Journal</i> , 2017, 844, 110.	1.6	3
380	The LABOCA/ACT Survey of Clusters at All Redshifts: Multiwavelength Analysis of Background Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2018, 855, 26.	1.6	3
381	A Path to High-Efficiency Optical Coupling for HIRMES. <i>Journal of Low Temperature Physics</i> , 2018, 193, 681-686.	0.6	3
382	Fabrication of Ultrasensitive TES Bolometric Detectors for HIRMES. <i>Journal of Low Temperature Physics</i> , 2018, 193, 675-680.	0.6	3
383	An Ultra-Stable Mid-Infrared Sensor for the Detection of Bio-Signatures by Means of Transit Spectroscopy. , 2019, , .		3
384	The Atacama Cosmology Telescope: SZ-based masses and dust emission from IR-selected cluster candidates in the SHELA survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4026-4038.	1.6	3
385	E-beam generated plasma etching for developing high-reflectance mirrors for far-ultraviolet astronomical instrument applications. , 2018, , .		3
386	Overview of the medium and high frequency telescopes of the LiteBIRD space mission. , 2020, , .		3
387	Comparing complex impedance and bias step measurements of Simons Observatory transition edge sensors. , 2020, , .		3
388	Optical Design of the Experiment for Cryogenic Large-Aperture Intensity Mapping (EXCLAIM). , 2020, , .		3
389	Characteristics of broadband InP HFET millimeter-wave amplifiers and their applications in radioastronomy receivers. , 0, , .		2
390	Superconducting Bolometer Array Architectures. , 2003, 4855, 148.		2
391	Two bolometer arrays for far-infrared and submillimeter astronomy. , 2004, 5498, 187.		2
392	Silicon hot-electron bolometers. , 2004, , .		2
393	A kinematic flexure-based mechanism for precise parallel motion for the Hertz Variable-delay Polarization Modulator (VPM). , 2006, , .		2
394	Silicon hot-electron bolometers with single-electron transistor readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 559, 591-593.	0.7	2
395	Broadband Transitions for Micro-machined Waveguides. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , 2007, , .	0.0	2
396	Coherent detectors. <i>Journal of Physics: Conference Series</i> , 2009, 155, 012002.	0.3	2

#	ARTICLE	IF	CITATIONS
397	Transition Measurements of a Micron-Sized Transition-Edge Hot-Electron Microbolometer. , 2009, , .		2
398	Optical properties of astronomical silicates with infrared techniques. Proceedings of SPIE, 2010, , .	0.8	2
399	Far sidelobes measurement of the Atacama Cosmology Telescope. Proceedings of SPIE, 2012, , .	0.8	2
400	Fabrication of Compact Superconducting Lowpass Filters for Ultrasensitive Detectors. IEEE Transactions on Applied Superconductivity, 2013, 23, 2300204-2300204.	1.1	2
401	Design, fabrication, and testing of lumped element kinetic inductance detectors for 3 mm CMB Observations. , 2014, , .		2
402	Optical Efficiency and R(T,I) Measurements of ACTPol TESes Using Time Domain Multiplexing Electronics. Journal of Low Temperature Physics, 2014, 176, 749.	0.6	2
403	A wideband profiled corrugated horn for multichroic applications. , 2015, , .		2
404	Mechanical designs and development of TES bolometer detector arrays for the Advanced ACTPol experiment. Proceedings of SPIE, 2016, , .	0.8	2
405	Characterization of AlMn TES impedance, noise, and optical efficiency in the first 150 mm multichroic array for Advanced ACTPol. , 2016, , .		2
406	Electromagnetic Design of a Magnetically Coupled Spatial Power Combiner. Journal of Low Temperature Physics, 2018, 193, 777-785.	0.6	2
407	The cross correlation of the ABS and ACT maps. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 010-010.	1.9	2
408	Far sidelobes from baffles and telescope support structures in the Atacama Cosmology Telescope. , 2018, , .		2
409	Spectrometer baseline control via spatial filtering. Applied Optics, 2016, 55, 8201.	2.1	2
410	The bidirectional reflectance of black silicon used in space and Earth remote sensing applications. , 2019, , .		2
411	A Multiwavelength Dynamical State Analysis of ACT-CL J0019.6+0336. Galaxies, 2021, 9, 97.	1.1	2
412	Constraining Cosmic Microwave Background Temperature Evolution With Sunyaev-Zel'dovich Galaxy Clusters from the Atacama Cosmology Telescope. Astrophysical Journal, 2021, 922, 136.	1.6	2
413	Recent progress on photon-counting superconducting detectors for submillimeter astronomy. , 2003, , .		1
414	WMAP - a portrait of the early universe. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
415	Optical properties of astronomical silicates. Proceedings of SPIE, 2008, , .	0.8	1
416	Design of a Transition-Edge Hot-Electron Microbolometer for Millimeter-Wave Astrophysical Observations. IEEE Transactions on Applied Superconductivity, 2009, 19, 528-531.	1.1	1
417	Materials Characterization and Integration for Background Limited Far-Infrared Bolometric Detector Arrays. , 2009, , .		1
418	Fabrication and test of an optical magnetic mirror. Proceedings of SPIE, 2011, , .	0.8	1
419	Phase-controlled polarization modulators. Proceedings of SPIE, 2012, , .	0.8	1
420	Design and Expected Performance of GISMO-2, a Two Color Millimeter Camera for the IRAM 30Åm Telescope. Journal of Low Temperature Physics, 2014, 176, 829-834.	0.6	1
421	Detector control and data acquisition for the wide field infrared survey telescope (WFIRST) with a custom ASIC. , 2016, , .		1
422	Assembly and integration process of the first high density detector array for the Atacama Cosmology Telescope. Proceedings of SPIE, 2016, , .	0.8	1
423	Fabrication and Characterization of Superconducting Resonators. Journal of Visualized Experiments, 2016, , .	0.2	1
424	Design, Fabrication, and Testing of a TiN/Ti/TiN Trilayer KID Array for 3Åmm CMB Observations. Journal of Low Temperature Physics, 2016, 184, 627-633.	0.6	1
425	Fabrication of Superconducting Vacuum-Gap Crossovers for High Performance Microwave Applications. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	1
426	Anti-reflection coated vacuum window for the Primordial Inflation Polarization Explorer (PIPER) balloon-borne instrument. Review of Scientific Instruments, 2021, 92, 035111.	0.6	1
427	Superfluid liquid helium control for the primordial inflation polarization explorer balloon payload. Review of Scientific Instruments, 2021, 92, 064501.	0.6	1
428	In Situ Performance of the Low Frequency Array for Advanced ACTPol. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	1
429	Specific heat of epoxies and mixtures containing silica, carbon lamp black, and graphite. Cryogenics, 2021, 118, 103329.	0.9	1
430	Dielectric properties of conductively loaded polyimides in the far infrared. Optics Letters, 2018, 43, 5303.	1.7	1
431	Fabrication of phononic filter structures for far-IR/sub-mm detector applications. , 2019, , .		1
432	Highly absorptive pupil mask fabricated with black silicon. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
433	Aerogel scattering filters for cosmic microwave background observations. Applied Optics, 2020, 59, 5439.	0.9	1
434	SiAl composite feedhorn arrays for astrophysical applications: Cryogenic material properties. Review of Scientific Instruments, 2022, 93, 024503.	0.6	1
435	The Simons Observatory: A large-diameter truss for a refracting telescope cooled to 1 K. Review of Scientific Instruments, 2022, 93, .	0.6	1
436	Auxiliary resistive components for millimeter to sub-mm astronomical observatories. , 2007, , .		0
437	The GISMO 2 Millimeter Camera. , 2009, , .		0
438	Compact radiative control structures for millimeter astronomy. , 2010, , .		0
439	Investigation of truncated waveguides. Microwave and Optical Technology Letters, 2013, 55, 1281-1285.	0.9	0
440	The cosmology large angular scale surveyor (CLASS) telescope architecture. , 2014, , .		0
441	Waveguide photonic choke joint with wide out-of-band rejection. , 2015, , .		0
442	The calibration of PIXIE. Proceedings of SPIE, 2016, , .	0.8	0
443	Machine Learning, Markov Chain Monte Carlo, and Optimal Algorithms to Characterize the AdvACT Kilopixel Transition-Edge Sensor Arrays. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	0
444	Robust modeling of acoustic phonon transmission in nanomechanical structures. Applied Physics Letters, 2019, 114, 113101.	1.5	0
445	Characterization of Aliased Noise in the Advanced ACTPol Receiver. Journal of Low Temperature Physics, 2020, 199, 762-770.	0.6	0
446	Far-infrared imager and polarimeter for the Origins Space Telescope. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.0	0
447	Excess Heat Capacity in Mo/Au Transition Edge Sensor Bolometric Detectors. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	0
448	Black-silicon as a wideband infrared absorber for the space instruments: fabrication, modeling, and characterization. , 2021, , .		0
449	Simons Observatory HoloSim-ML: machine learning applied to the efficient analysis of radio holography measurements of complex optical systems. Applied Optics, 2021, 60, 9029.	0.9	0
450	Development of a robust, efficient process to produce scalable, superconducting kilopixel far-IR detector arrays. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
451	Aerogel scattering filters for cosmic microwave background observations. , 2018, , .		0
452	Electrothermal characterization of AlMn transition-edge sensor bolometers for advanced ACTPol. , 2018, , .		0