

Edward J Wollack

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

416
papers

53,374
citations

71
h-index

229
g-index

453
ext. papers

57,027
ext. citations

4
avg, IF

6.39
L-index

#	Paper	IF	Citations
416	SiAl composite feedhorn arrays for astrophysical applications: Cryogenic material properties.. <i>Review of Scientific Instruments</i> , 2022 , 93, 024503	1.7	0
415	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. <i>Astrophysical Journal</i> , 2022 , 926, 54	4.7	9
414	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	4.7	5
413	Simons Observatory: Constraining inflationary gravitational waves with multitracer B -mode delensing. <i>Physical Review D</i> , 2022 , 105,	4.9	2
412	The Atacama Cosmology Telescope: Modeling bulk atmospheric motion. <i>Physical Review D</i> , 2022 , 105,	4.9	1
411	The Simons Observatory: A large-diameter truss for a refracting telescope cooled to 1 K. <i>Review of Scientific Instruments</i> , 2022 , 93, 055106	1.7	
410	The Atacama Cosmology Telescope: measurement and analysis of 1D beams for DR4. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022 , 2022, 044	6.4	
409	A Multiwavelength Dynamical State Analysis of ACT-CL J0019.6+0336. <i>Galaxies</i> , 2021 , 9, 97	2	0
408	The Simons Observatory Microwave SQUID Multiplexing Detector Module Design. <i>Astrophysical Journal</i> , 2021 , 922, 38	4.7	2
407	Constraining Cosmic Microwave Background Temperature Evolution With Sunyaev-Zeldovich Galaxy Clusters from the Atacama Cosmology Telescope. <i>Astrophysical Journal</i> , 2021 , 922, 136	4.7	
406	Two Year Cosmology Large Angular Scale Surveyor (CLASS) Observations: Long Timescale Stability Achieved with a Front-end Variable-delay Polarization Modulator at 40 GHz. <i>Astrophysical Journal</i> , 2021 , 922, 212	4.7	1
405	The Atacama Cosmology Telescope: Microwave Intensity and Polarization Maps of the Galactic Center. <i>Astrophysical Journal</i> , 2021 , 920, 6	4.7	4
404	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,	4.9	23
403	Anti-reflection coated vacuum window for the Primordial Inflation Polarization ExploreR (PIPER) balloon-borne instrument. <i>Review of Scientific Instruments</i> , 2021 , 92, 035111	1.7	1
402	Atacama Cosmology Telescope: Combined kinematic and thermal Sunyaev-Zeldovich measurements from BOSS CMASS and LOWZ halos. <i>Physical Review D</i> , 2021 , 103,	4.9	29
401	MERGHES pilot: MeerKAT discovery of diffuse emission in nine massive Sunyaev-Zeldovich-selected galaxy clusters from ACT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 1749-1758	4.3	3
400	Venus Observations at 40 and 90 GHz with CLASS. <i>Planetary Science Journal</i> , 2021 , 2, 71	2.9	2

399	The Simons Observatory: The Large Aperture Telescope (LAT). <i>Research Notes of the AAS</i> , 2021 , 5, 100	0.8	3
398	Strong detection of the CMB lensing and galaxy weak lensing cross-correlation from ACT-DR4, Planck Legacy, and KiDS-1000. <i>Astronomy and Astrophysics</i> , 2021 , 649, A146	5.1	6
397	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	6.4	6
396	Superfluid liquid helium control for the primordial inflation polarization explorer balloon payload. <i>Review of Scientific Instruments</i> , 2021 , 92, 064501	1.7	1
395	The Atacama Cosmology Telescope: Detection of Millimeter-wave Transient Sources. <i>Astrophysical Journal</i> , 2021 , 915, 14	4.7	5
394	Far-infrared Polarization Spectrum of the OMC-1 Star-forming Region. <i>Astrophysical Journal</i> , 2021 , 907, 46	4.7	3
393	Transition-edge sensor detectors for the Origins Space Telescope. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2021 , 7,	1.1	1
392	The Atacama Cosmology Telescope: delensed power spectra and parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 031-031	6.4	14
391	The Simons Observatory: modeling optical systematics in the Large Aperture Telescope. <i>Applied Optics</i> , 2021 , 60, 823-837	1.7	5
390	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	4.3	2
389	Room temperature plasma-etching and surface passivation of far-ultraviolet Al mirrors using electron beam generated plasmas. <i>Optical Materials Express</i> , 2021 , 11, 740	2.6	2
388	The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev-Zeldovich Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 253, 3	8	44
387	Maps of Magnetic Field Strength in the OMC-1 Using HAWC+ FIR Polarimetric Data. <i>Astrophysical Journal</i> , 2021 , 908, 98	4.7	5
386	The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 255, 11	8	4
385	The Atacama Cosmology Telescope: Detection of the pairwise kinematic Sunyaev-Zeldovich effect with SDSS DR15 galaxies. <i>Physical Review D</i> , 2021 , 104,	4.9	6
384	The Atacama Cosmology Telescope: Probing the baryon content of SDSS DR15 galaxies with the thermal and kinematic Sunyaev-Zeldovich effects. <i>Physical Review D</i> , 2021 , 104,	4.9	4
383	In Situ Performance of the Low Frequency Array for Advanced ACTPol. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	
382	Specific heat of epoxies and mixtures containing silica, carbon lamp black, and graphite. <i>Cryogenics</i> , 2021 , 118, 103329	1.8	1

381	Atacama Cosmology Telescope measurements of a large sample of candidates from the Massive and Distant Clusters of WISE Survey. <i>Astronomy and Astrophysics</i> , 2021 , 653, A135	5.1	3
380	The mass and galaxy distribution around SZ-selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 5758-5779	4.3	2
379	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 256, 23	8	3
378	Simons Observatory HoloSim-ML: machine learning applied to the efficient analysis of radio holography measurements of complex optical systems. <i>Applied Optics</i> , 2021 , 60, 9029-9035	1.7	
377	The Simons Observatory: metamaterial microwave absorber and its cryogenic applications. <i>Applied Optics</i> , 2021 , 60, 864-874	1.7	4
376	Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock. <i>Astrophysical Journal</i> , 2021 , 923, 37	4.7	3
375	The Atacama Cosmology Telescope: A Search for Planet 9. <i>Astrophysical Journal</i> , 2021 , 923, 224	4.7	1
374	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 1107-1117	1.3	43
373	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A First Detection of Atmospheric Circular Polarization at Q band. <i>Astrophysical Journal</i> , 2020 , 889, 120	4.7	6
372	SOFIA/HAWC+ Traces the Magnetic Fields in NGC 1068. <i>Astrophysical Journal</i> , 2020 , 888, 66	4.7	9
371	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A Measurement of Circular Polarization at 40 GHz. <i>Astrophysical Journal</i> , 2020 , 889, 105	4.7	10
370	The Design of the CCAT-prime Epoch of Reionization Spectrometer Instrument. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 898-907	1.3	6
369	The CLASS 150/220 GHz Polarimeter Array: Design, Assembly, and Characterization. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 289-297	1.3	14
368	The Experiment for Cryogenic Large-Aperture Intensity Mapping (EXCLAIM). <i>Journal of Low Temperature Physics</i> , 2020 , 199, 1027-1037	1.3	5
367	Characterization of Aliased Noise in the Advanced ACTPol Receiver. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 762-770	1.3	
366	Characterization of Transition Edge Sensors for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 672-680	1.3	3
365	Assembly and Integration Process of the High-Density Detector Array Readout Modules for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 985-993	1.3	5
364	Quantum Efficiency Study and Reflectivity Enhancement of Au/Bi Absorbers. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 393-400	1.3	3

363	Atacama Cosmology Telescope: Dusty Star-forming Galaxies and Active Galactic Nuclei in the Equatorial Survey. <i>Astrophysical Journal</i> , 2020 , 893, 104	4-7	9
362	Atacama Cosmology Telescope: Constraints on cosmic birefringence. <i>Physical Review D</i> , 2020 , 101,	4-9	26
361	Overview of the medium and high frequency telescopes of the LiteBIRD space mission 2020 ,		2
360	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization 2020 ,		24
359	Far-infrared properties of cyclic olefin copolymer. <i>Optics Letters</i> , 2020 , 45, 780-783	3	3
358	Infrared properties of high-purity silicon. <i>Optics Letters</i> , 2020 , 45, 4935-4938	3	8
357	HAWC+ Far-infrared Observations of the Magnetic Field Geometry in M51 and NGC 891. <i>Astronomical Journal</i> , 2020 , 160, 167	4-9	4
356	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	4-7	13
355	The Atacama Cosmology Telescope: Weighing Distant Clusters with the Most Ancient Light. <i>Astrophysical Journal Letters</i> , 2020 , 903, L13	7-9	4
354	Aerogel scattering filters for cosmic microwave background observations. <i>Applied Optics</i> , 2020 , 59, 5439-5447		
353	The Simons Observatory Small Aperture Telescope overview 2020 ,		2
352	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	6-4	53
351	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	6-4	26
350	The Atacama Cosmology Telescope: DR4 maps and cosmological parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020 , 2020, 047-047	6-4	114
349	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	4-3	27
348	Small Aperture Telescopes for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020 , 200, 461-471	1-3	8
347	Atacama Cosmology Telescope: Component-separated maps of CMB temperature and the thermal Sunyaev-Zeldovich effect. <i>Physical Review D</i> , 2020 , 102,	4-9	26
346	The cross correlation of the ABS and ACT maps. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020 , 2020, 010-010	6-4	1

345	Sub-Kelvin cooling for two kilopixel bolometer arrays in the PIPER receiver. <i>Review of Scientific Instruments</i> , 2019 , 90, 095104	1.7	4
344	SOFIA Far-infrared Imaging Polarimetry of M82 and NGC 253: Exploring the Supergalactic Wind. <i>Astrophysical Journal Letters</i> , 2019 , 870, L9	7.9	13
343	Weak-lensing Mass Calibration of ACTPol Sunyaev-Zeldovich Clusters with the Hyper Suprime-Cam Survey. <i>Astrophysical Journal</i> , 2019 , 875, 63	4.7	50
342	On-sky Performance of the CLASS Q-band Telescope. <i>Astrophysical Journal</i> , 2019 , 876, 126	4.7	12
341	Second-generation Micro-Spec: A compact spectrometer for far-infrared and submillimeter space missions. <i>Acta Astronautica</i> , 2019 , 162, 155-159	2.9	4
340	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	4.3	31
339	GMRT 610 MHz observations of galaxy clusters in the ACT equatorial sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 1332-1349	4.3	10
338	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 056-056	6.4	325
337	Machine Learning, Markov Chain Monte Carlo, and Optimal Algorithms to Characterize the AdvACT Kilopixel Transition-Edge Sensor Arrays. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	
336	Robust modeling of acoustic phonon transmission in nanomechanical structures. <i>Applied Physics Letters</i> , 2019 , 114, 113101	3.4	
335	HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1. <i>Astrophysical Journal</i> , 2019 , 872, 187	4.7	44
334	The Atacama Cosmology Telescope: CO(J = 3 \rightarrow 2) Mapping and Lens Modeling of an ACT-selected Dusty Star-forming Galaxy. <i>Astrophysical Journal</i> , 2019 , 879, 95	4.7	5
333	Quantifying the thermal Sunyaev-Zeldovich effect and excess millimetre emission in quasar environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 2315-2335	4.3	11
332	The Far-infrared Polarization Spectrum of ρ Ophiuchi A from HAWC+/SOFIA Observations. <i>Astrophysical Journal</i> , 2019 , 882, 113	4.7	14
331	The bidirectional reflectance of black silicon used in space and Earth remote sensing applications 2019 ,		1
330	A 3D-printed broadband millimeter wave absorber. <i>Review of Scientific Instruments</i> , 2019 , 90, 024701	1.7	16
329	The Atacama Cosmology Telescope: two-season ACTPol extragalactic point sources and their polarization properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 5239-5262	4.3	19
328	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	1.3	9

327	The LABOCA/ACT Survey of Clusters at All Redshifts: Multiwavelength Analysis of Background Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2018 , 855, 26	4.7	1
326	The Atacama Cosmology Telescope: The Two-season ACTPol Sunyaev-Zel'dovich Effect Selected Cluster Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 235, 20	8	93
325	Modeling Strategies for Superconducting Microstrip Transmission Line Structures. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28,	1.8	3
324	Enhanced quasiparticle lifetime in a superconductor by selective blocking of recombination phonons with a phononic crystal. <i>Physical Review B</i> , 2018 , 98,	3.3	8
323	Pushing the Limits of Broadband and High-Frequency Metamaterial Silicon Antireflection Coatings. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 876-885	1.3	7
322	Fabrication of Ultrasensitive TES Bolometric Detectors for HIRMES. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 675-680	1.3	0
321	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	1.3	13
320	Electromagnetic Design of a Magnetically Coupled Spatial Power Combiner. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 777-785	1.3	1
319	Advanced ACTPol TES Device Parameters and Noise Performance in Fielded Arrays. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 328-336	1.3	6
318	Characterization of Si Membrane TES Bolometer Arrays for the HIRMES Instrument. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 241-248	1.3	2
317	Design and characterization of the Cosmology Large Angular Scale Surveyor (CLASS) 93 GHz focal plane 2018 ,		10
316	Origins Space Telescope: the far infrared imager and polarimeter FIP 2018 ,		6
315	SiAl alloy feedhorn arrays: material properties, feedhorn design, and astrophysical applications 2018 ,		3
314	Simons Observatory large aperture telescope receiver design overview 2018 ,		5
313	The Cosmology Large Angular Scale Surveyor receiver design 2018 ,		6
312	Systematic uncertainties in the Simons Observatory: optical effects and sensitivity considerations 2018 ,		3
311	The Simons Observatory: instrument overview 2018 ,		31
310	Far sidelobes from baffles and telescope support structures in the Atacama Cosmology Telescope 2018 ,		1

309	The ACADIA ASIC - detector control and digitization for the Wide-Field Infrared Survey Telescope (WFIRST) 2018 ,		6
308	Feedhorn development and scalability for Simons Observatory and beyond 2018 ,		5
307	Studies of systematic uncertainties for Simons Observatory: detector array effects 2018 ,		7
306	Cold optical design for the large aperture Simons' Observatory telescope 2018 ,		2
305	Variable-delay polarization modulators for the CLASS telescopes 2018 ,		8
304	Prime-Cam: a first-light instrument for the CCAT-prime telescope 2018 ,		9
303	The primordial inflation polarization explorer (PIPER): current status and performance of the first flight (Conference Presentation) 2018 ,		5
302	Designs for next generation CMB survey strategies from Chile 2018 ,		9
301	Performance of the advanced ACTPol low frequency array 2018 ,		5
300	E-beam generated plasma etching for developing high-reflectance mirrors for far-ultraviolet astronomical instrument applications 2018 ,		1
299	Dielectric properties of conductively loaded polyimides in the far infrared. <i>Optics Letters</i> , 2018 , 43, 5303-5306		
298	HAWC+, the Far-Infrared Camera and Polarimeter for SOFIA. <i>Journal of Astronomical Instrumentation</i> , 2018 , 07, 1840008	0.8	47
297	SOFIA-HIRMES: Looking Forward to the High-Resolution Mid-infrared Spectrometer. <i>Journal of Astronomical Instrumentation</i> , 2018 , 07, 1840015	0.8	6
296	A Projected Estimate of the Reionization Optical Depth Using the CLASS Experiment's Sample Variance Limited E-mode Measurement. <i>Astrophysical Journal</i> , 2018 , 863, 121	4.7	22
295	Non-Gaussianity of secondary anisotropies from ACTPol and Planck. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 022-022	6.4	13
294	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	1.3	12
293	A Path to High-Efficiency Optical Coupling for HIRMES. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 681-686	1.3	0
292	The Advanced ACTPol 27/39 GHz Array. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1041-1047	1.3	7

291	Characterization of the Mid-Frequency Arrays for Advanced ACTPol. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 267-275	1.3	20
290	The Clustering of High-redshift (2.9 $\leq z < 5.1$) Quasars in SDSS Stripe 82. <i>Astrophysical Journal</i> , 2018 , 859, 20	4.7	22
289	Fabrication of Superconducting Vacuum-Gap Crossovers for High Performance Microwave Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	1
288	Detection of the pairwise kinematic Sunyaev-Zel'dovich effect with BOSS DR11 and the Atacama Cosmology Telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 008-008	6.4	53
287	The Atacama Cosmology Telescope: two-season ACTPol spectra and parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 031-031	6.4	95
286	A Cryogenic Waveguide Mount for Microstrip Circuit and Material Characterization. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	1
285	Composite reflective/absorptive IR-blocking filters embedded in metamaterial antireflection-coated silicon. <i>Applied Optics</i> , 2017 , 56, 5349-5354	0.2	4
284	On the redshift distribution and physical properties of ACT-selected DSFGs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 464, 968-984	4.3	19
283	Two-season Atacama Cosmology Telescope polarimeter lensing power spectrum. <i>Physical Review D</i> , 2017 , 95,	4.9	81
282	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	4.7	28
281	Multiwavelength Characterization of an ACT-selected, Lensed Dusty Star-forming Galaxy at $z = 2.64$. <i>Astrophysical Journal</i> , 2017 , 844, 110	4.7	2
280	Cosmological parameters from pre-Planck CMB measurements: A 2017 update. <i>Physical Review D</i> , 2017 , 95,	4.9	25
279	A cryogenic thermal source for detector array characterization. <i>Review of Scientific Instruments</i> , 2017 , 88, 104501	1.7	8
278	Deep reactive ion etched anti-reflection coatings for sub-millimeter silicon optics. <i>Applied Optics</i> , 2017 , 56, 2796-2803	0.2	12
277	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,	4.9	70
276	RECOVERY OF LARGE ANGULAR SCALE CMB POLARIZATION FOR INSTRUMENTS EMPLOYING VARIABLE-DELAY POLARIZATION MODULATORS. <i>Astrophysical Journal</i> , 2016 , 818, 151	4.7	14
275	Survey strategy optimization for the Atacama Cosmology Telescope 2016 ,		18
274	Characterization of AlMn TES impedance, noise, and optical efficiency in the first 150 mm multichroic array for Advanced ACTPol 2016 ,		1

273	The Primordial Inflation Polarization Explorer (PIPER) 2016 ,		12
272	The Cosmology Large Angular Scale Surveyor 2016 ,		30
271	The design and characterization of wideband spline-profiled feedhorns for Advanced ACTPol 2016 ,		11
270	A giant radio halo in a low-mass SZ-selected galaxy cluster: ACT-CL J0256.5+0006. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 4240-4258	4.3	10
269	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	1.3	9
268	Cosmology Large Angular Scale Surveyor (CLASS) Focal Plane Development. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 759-764	1.3	5
267	Design, Fabrication, and Testing of a TiN/Ti/TiN Trilayer KID Array for 3 mm CMB Observations. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 627-633	1.3	1
266	Superconducting Pathways Through Kilopixel Backshort-Under-Grid Arrays. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 615-620	1.3	3
265	Performance of Backshort-Under-Grid Kilopixel TES Arrays for HAWC+. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 811-815	1.3	7
264	AlMn Transition Edge Sensors for Advanced ACTPol. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 66-73	1.3	28
263	Design and Deployment of a Multichroic Polarimeter Array on the Atacama Cosmology Telescope. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 568-575	1.3	15
262	Advanced ACTPol Multichroic Polarimeter Array Fabrication Process for 150 mm Wafers. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 634-641	1.3	25
261	Evidence for the thermal Sunyaev-Zel'dovich effect associated with quasar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , stw344	4.3	22
260	Far sidelobe effects from panel gaps of the Atacama Cosmology Telescope 2016 ,		3
259	Highly uniform 150 mm diameter multichroic polarimeter array deployed for CMB detection 2016 ,		5
258	Spectrometer baseline control via spatial filtering. <i>Applied Optics</i> , 2016 , 55, 8201-8206	0.2	2
257	SpIES: THE SPITZER IRAC EQUATORIAL SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 225, 1	8	33
256	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	4.3	35

255	Wide-stopband aperiodic phononic filters. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 255301	3	8
254	Submillimeter and far-infrared dielectric properties of thin films 2016 ,		3
253	Mechanical designs and development of TES bolometer detector arrays for the Advanced ACTPol experiment 2016 ,		2
252	Optical modeling and polarization calibration for CMB measurements with ACTPol and Advanced ACTPol 2016 ,		11
251	Silicon-based antenna-coupled polarization-sensitive millimeter-wave bolometer arrays for cosmic microwave background instruments 2016 ,		5
250	A broadband micro-machined far-infrared absorber. <i>Review of Scientific Instruments</i> , 2016 , 87, 054701	1.7	6
249	THE ATACAMA COSMOLOGY TELESCOPE: THE POLARIZATION-SENSITIVE ACTPol INSTRUMENT. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 227, 21	8	120
248	A deep/wide 100GHz 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, 4433-4432	4.3	18
247	High-Density Superconducting Cables for Advanced ACTPol. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 473-479	1.3	5
246	The First Multichroic Polarimeter Array on the Atacama Cosmology Telescope: Characterization and Performance. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 559-567	1.3	8
245	Advanced ACTPol Cryogenic Detector Arrays and Readout. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 772-779	1.3	195
244	Infrared dielectric properties of low-stress silicon oxide. <i>Optics Letters</i> , 2016 , 41, 1364-7	3	10
243	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	6.4	43
242	Design and performance of a high resolution spec: an integrated sub-millimeter spectrometer 2016 ,		3
241	Analysis and calibration techniques for superconducting resonators. <i>Review of Scientific Instruments</i> , 2015 , 86, 013103	1.7	9
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