

N W Halverson

List of Publications by Year in descending order

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148
papers

13,879
citations

18482

62
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20358

116
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149
all docs

149
docs citations

149
times ranked

5953
citing authors

#	ARTICLE	IF	CITATIONS
1	Degree Angular Scale Interferometer First Results: A Measurement of the Cosmic Microwave Background Angular Power Spectrum. <i>Astrophysical Journal</i> , 2002, 568, 38-45.	4.5	637
2	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	8.3	618
3	Detection of polarization in the cosmic microwave background using DASI. <i>Nature</i> , 2002, 420, 772-787.	27.8	501
4	The 10 Meter South Pole Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2011, 123, 568-581.	3.1	496
5	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 27.	7.7	464
6	A MEASUREMENT OF THE DAMPING TAIL OF THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2011, 743, 28.	4.5	433
7	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 722, 1180-1196.	4.5	285
8	Detection of B -Mode Polarization in the Cosmic Microwave Background with Data from the South Pole Telescope. <i>Physical Review Letters</i> , 2013, 111, 141301.	7.8	280
9	Cosmological Parameter Extraction from the First Season of Observations with the Degree Angular Scale Interferometer. <i>Astrophysical Journal</i> , 2002, 568, 46-51.	4.5	276
10	The Anisotropy of the Microwave Background $l=3500$: Deep Field Observations with the Cosmic Background Imager. <i>Astrophysical Journal</i> , 2003, 591, 540-555.	4.5	262
11	Dusty starburst galaxies in the early Universe as revealed by gravitational lensing. <i>Nature</i> , 2013, 495, 344-347.	27.8	255
12	The Anisotropy of the Microwave Background $l=3500$: Mosaic Observations with the Cosmic Background Imager. <i>Astrophysical Journal</i> , 2003, 591, 556-574.	4.5	253
13	EXTRAGALACTIC MILLIMETER-WAVE SOURCES IN SOUTH POLE TELESCOPE SURVEY DATA: SOURCE COUNTS, CATALOG, AND STATISTICS FOR AN 87 SQUARE-DEGREE FIELD. <i>Astrophysical Journal</i> , 2010, 719, 763-783.	4.5	252
14	SPT-3G: a next-generation cosmic microwave background polarization experiment on the South Pole telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	249
15	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND DAMPING TAIL FROM THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 779, 86.	4.5	240
16	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 127.	4.5	240
17	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND B -MODE POLARIZATION POWER SPECTRUM AT SUB-DEGREE SCALES WITH POLARBEAR. <i>Astrophysical Journal</i> , 2014, 794, 171.	4.5	233
18	ALMA REDSHIFTS OF MILLIMETER-SELECTED GALAXIES FROM THE SPT SURVEY: THE REDSHIFT DISTRIBUTION OF DUSTY STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 767, 88.	4.5	232

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19	GALAXY CLUSTERS DISCOVERED WITH A SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2009, 701, 32-41.	4.5	228
20	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH TWO YEARS OF SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 755, 70.	4.5	228
21	A SUNYAEV-ZEL'DOVICH-SELECTED SAMPLE OF THE MOST MASSIVE GALAXY CLUSTERS IN THE 2500 deg ² SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2011, 738, 139.	4.5	213
22	A MEASUREMENT OF GRAVITATIONAL LENSING OF THE MICROWAVE BACKGROUND USING SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2012, 756, 142.	4.5	212
23	Cluster Cosmology Constraints from the 2500 deg ² SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 878, 55.	4.5	211
24	COSMOLOGICAL CONSTRAINTS FROM SUNYAEV-ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178 Ådeg ² OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 147.	4.5	206
25	LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection. <i>Journal of Low Temperature Physics</i> , 2019, 194, 443-452.	1.4	193
26	CONSTRAINTS ON COSMOLOGY FROM THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM OF THE 2500 deg ² SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 782, 74.	4.5	189
27	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES FROM THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2015, 799, 177.	4.5	183
28	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 95.	4.5	179
29	A massive, cooling-flow-induced starburst in the core of a luminous cluster of galaxies. <i>Nature</i> , 2012, 488, 349-352.	27.8	154
30	Degree Angular Scale Interferometer 3 Year Cosmic Microwave Background Polarization Results. <i>Astrophysical Journal</i> , 2005, 624, 10-20.	4.5	150
31	MEASUREMENTS OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2010, 719, 1045-1066.	4.5	145
32	Measurements of the Temperature and E-mode Polarization of the CMB from 500 Square Degrees of SPTpol Data. <i>Astrophysical Journal</i> , 2018, 852, 97.	4.5	145
33	THE GROWTH OF COOL CORES AND EVOLUTION OF COOLING PROPERTIES IN A SAMPLE OF 83 GALAXY CLUSTERS AT 0.3 z ≤ 1.2 SELECTED FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 774, 23.	4.5	144
34	Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum with the POLARBEAR Experiment. <i>Physical Review Letters</i> , 2014, 113, 021301.	7.8	138
35	X-RAY PROPERTIES OF THE FIRST SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTER SAMPLE FROM THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2011, 738, 48.	4.5	137
36	COSMIC MICROWAVE BACKGROUND CONSTRAINTS ON THE DURATION AND TIMING OF REIONIZATION FROM THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2012, 756, 65.	4.5	128

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37	ANGULAR POWER SPECTRA OF THE MILLIMETER-WAVELENGTH BACKGROUND LIGHT FROM DUSTY STAR-FORMING GALAXIES WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2010, 718, 632-646.	4.5	122
38	MASS CALIBRATION AND COSMOLOGICAL ANALYSIS OF THE SPT-SZ GALAXY CLUSTER SAMPLE USING VELOCITY DISPERSION AND X-RAY MEASUREMENTS. <i>Astrophysical Journal</i> , 2015, 799, 214.	4.5	120
39	SUNYAEV-ZEL'DOVICH CLUSTER PROFILES MEASURED WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2010, 716, 1118-1135.	4.5	117
40	MEASUREMENTS OF SUB-DEGREE- B -MODE POLARIZATION IN THE COSMIC MICROWAVE BACKGROUND FROM 100 SQUARE DEGREES OF SPTPOL DATA. <i>Astrophysical Journal</i> , 2015, 807, 151.	4.5	117
41	EXTRAGALACTIC MILLIMETER-WAVE POINT-SOURCE CATALOG, NUMBER COUNTS AND STATISTICS FROM 771 deg^2 OF THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 779, 61.	4.5	115
42	Frequency multiplexed superconducting quantum interference device readout of large bolometer arrays for cosmic microwave background measurements. <i>Review of Scientific Instruments</i> , 2012, 83, 073113.	1.3	110
43	ALMA OBSERVATIONS OF SPT-DISCOVERED, STRONGLY LENSED, DUSTY, STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 767, 132.	4.5	109
44	DISCOVERY AND COSMOLOGICAL IMPLICATIONS OF SPT-CL J2106-5844, THE MOST MASSIVE KNOWN CLUSTER AT $z \approx 1$. <i>Astrophysical Journal</i> , 2011, 731, 86.	4.5	104
45	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 792, 45.	4.5	103
46	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal</i> , Supplement Series, 2020, 247, 25.	7.7	101
47	Measurement of polarization with the Degree Angular Scale Interferometer. <i>Nature</i> , 2002, 420, 763-771.	27.8	99
48	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND GRAVITATIONAL LENSING POTENTIAL FROM 100 SQUARE DEGREES OF SPTPOL DATA. <i>Astrophysical Journal</i> , 2015, 810, 50.	4.5	99
49	SPTpol: an instrument for CMB polarization measurements with the South Pole Telescope. <i>Proceedings of SPIE</i> , 2012, . .	0.8	98
50	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1048-1056.	1.4	96
51	SPT-CL J0546-5345: A MASSIVE $z \approx 1$ GALAXY CLUSTER SELECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2010, 721, 90-97.	4.5	94
52	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 794, 67.	4.5	90
53	REDSHIFTS, SAMPLE PURITY, AND BCG POSITIONS FOR THE GALAXY CLUSTER CATALOG FROM THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 22.	4.5	89
54	IMPROVED CONSTRAINTS ON COSMIC MICROWAVE BACKGROUND SECONDARY ANISOTROPIES FROM THE COMPLETE 2008 SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2011, 736, 61.	4.5	86

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55	THE FIRST PUBLIC RELEASE OF SOUTH POLE TELESCOPE DATA: MAPS OF A 95 deg ² FIELD FROM 2008 OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 743, 90.	4.5	81
56	Evidence for Gravitational Lensing of the Cosmic Microwave Background Polarization from Cross-Correlation with the Cosmic Infrared Background. <i>Physical Review Letters</i> , 2014, 112, 131302.	7.8	81
57	A MEASUREMENT OF THE CORRELATION OF GALAXY SURVEYS WITH CMB LENSING CONVERGENCE MAPS FROM THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal Letters</i> , 2012, 753, L9.	8.3	76
58	A COSMIC MICROWAVE BACKGROUND LENSING MASS MAP AND ITS CORRELATION WITH THE COSMIC INFRARED BACKGROUND. <i>Astrophysical Journal Letters</i> , 2013, 771, L16.	8.3	76
59	A Measurement of the Cosmic Microwave Background Lensing Potential and Power Spectrum from 500 deg ² of SPTpol Temperature and Polarization Data. <i>Astrophysical Journal</i> , 2019, 884, 70.	4.5	71
60	SUBMILLIMETER OBSERVATIONS OF MILLIMETER BRIGHT GALAXIES DISCOVERED BY THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2012, 756, 101.	4.5	67
61	A MEASUREMENT OF GRAVITATIONAL LENSING OF THE COSMIC MICROWAVE BACKGROUND BY GALAXY CLUSTERS USING DATA FROM THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2015, 806, 247.	4.5	66
62	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1107-1117.	1.4	64
63	South Pole Telescope optics. <i>Applied Optics</i> , 2008, 47, 4418.	2.1	59
64	OPTICAL REDSHIFT AND RICHNESS ESTIMATES FOR GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-Zel'dovich EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 723, 1736-1747.	4.5	59
65	SPT-CL J0205+5829: A $z = 1.32$ EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2013, 763, 93.	4.5	54
66	A Comparison of Cosmological Parameters Determined from CMB Temperature Power Spectra from the South Pole Telescope and the Planck Satellite. <i>Astrophysical Journal</i> , 2017, 850, 101.	4.5	53
67	SUNYAEV-ZEL'DOVICH EFFECT OBSERVATIONS OF THE BULLET CLUSTER (1E 0657+56) WITH APEX-SZ. <i>Astrophysical Journal</i> , 2009, 701, 42-51.	4.5	52
68	A DIRECT MEASUREMENT OF THE LINEAR BIAS OF MID-INFRARED-SELECTED QUASARS AT $z \sim 1$ USING COSMIC MICROWAVE BACKGROUND LENSING. <i>Astrophysical Journal Letters</i> , 2013, 776, L41.	8.3	52
69	An Improved Measurement of the Secondary Cosmic Microwave Background Anisotropies from the SPT-SZ + SPTpol Surveys. <i>Astrophysical Journal</i> , 2021, 908, 199.	4.5	52
70	Constraints on Cosmological Parameters from the 500 deg ² SPTPOL Lensing Power Spectrum. <i>Astrophysical Journal</i> , 2020, 888, 119.	4.5	52
71	Constraints on the CMB temperature evolution using multiband measurements of the Sunyaev-Zel'dovich effect with the South Pole Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2610-2615.	4.4	51
72	A MEASUREMENT OF THE SECONDARY-CMB AND MILLIMETER-WAVE-FOREGROUND BISPECTRUM USING 800 deg ² OF SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2014, 784, 143.	4.5	49

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73	A 2500 deg ² CMB Lensing Map from Combined South Pole Telescope and Planck Data. <i>Astrophysical Journal</i> , 2017, 849, 124.	4.5	49
74	CMB Polarization B-mode Delensing with SPTpol and Herschel. <i>Astrophysical Journal</i> , 2017, 846, 45.	4.5	48
75	Experiment Design and First Season Observations with the Degree Angular Scale Interferometer. <i>Astrophysical Journal</i> , 2002, 568, 28-37.	4.5	47
76	MEASUREMENTS OF E-MODE POLARIZATION AND TEMPERATURE-E-MODE CORRELATION IN THE COSMIC MICROWAVE BACKGROUND FROM 100 SQUARE DEGREES OF SPTPOL DATA. <i>Astrophysical Journal</i> , 2015, 805, 36.	4.5	47
77	Multi-frequency imaging of the galaxy cluster Abell 2163 using the Sunyaev-Zel'dovich effect. <i>Astronomy and Astrophysics</i> , 2009, 506, 623-636.	5.1	46
78	Anisotropy in the Cosmic Microwave Background at Degree Angular Scales: Python V Results. <i>Astrophysical Journal</i> , 1999, 519, L5-L8.	4.5	44
79	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. <i>Astrophysical Journal</i> , 2012, 758, 68.	4.5	42
80	SPT-CL J2040+4451: AN SZ-SELECTED GALAXY CLUSTER AT $z = 1.478$ WITH SIGNIFICANT ONGOING STAR FORMATION. <i>Astrophysical Journal</i> , 2014, 794, 12.	4.5	42
81	A measurement of CMB cluster lensing with SPT and DES year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2674-2688.	4.4	41
82	Galaxy Clusters Selected via the Sunyaev-Zel'dovich Effect in the SPTpol 100-square-degree Survey. <i>Astronomical Journal</i> , 2020, 159, 110.	4.7	41
83	Millimeter-wave Point Sources from the 2500 Square Degree SPT-SZ Survey: Catalog and Population Statistics. <i>Astrophysical Journal</i> , 2020, 900, 55.	4.5	40
84	Non-parametric modeling of the intra-cluster gas using APEX-SZ bolometer imaging data. <i>Astronomy and Astrophysics</i> , 2010, 519, A29.	5.1	38
85	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 3.	7.7	36
86	SPTpol: an instrument for CMB polarization. , 2009, , .		30
87	Invited Article: Millimeter-wave bolometer array receiver for the Atacama pathfinder experiment Sunyaev-Zel'dovich (APEX-SZ) instrument. <i>Review of Scientific Instruments</i> , 2011, 82, 091301.	1.3	30
88	HIGH-REDSHIFT COOL-CORE GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE SOUTH POLE TELESCOPE SURVEY. <i>Astrophysical Journal</i> , 2012, 761, 183.	4.5	29
89	Fabrication of large dual-polarized multichroic TES bolometer arrays for CMB measurements with the SPT-3G camera. <i>Superconductor Science and Technology</i> , 2015, 28, 094002.	3.5	29
90	The Design and Integrated Performance of SPT-3G. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 42.	7.7	29

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91	SOUTH POLE TELESCOPE DETECTIONS OF THE PREVIOUSLY UNCONFIRMED <i>PLANCK</i> EARLY SUNYAEV-ZEL'DOVICH CLUSTERS IN THE SOUTHERN HEMISPHERE. <i>Astrophysical Journal Letters</i> , 2011, 735, L36.	8.3	28
92	Maps of the Southern Millimeter-wave Sky from Combined 2500 deg ² SPT-SZ and <i>Planck</i> Temperature Data. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 10.	7.7	28
93	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. <i>Astrophysical Journal</i> , 2019, 872, 170.	4.5	28
94	MODELING ATMOSPHERIC EMISSION FOR CMB GROUND-BASED OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 809, 63.	4.5	27
95	SPT-3G: A Multichroic Receiver for the South Pole Telescope. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1057-1065.	1.4	27
96	The Simons Array: expanding POLARBEAR to three multi-chroic telescopes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	25
97	Constraints on Cosmological Parameters from the Angular Power Spectrum of a Combined 2500 deg ² SPT-SZ and <i>Planck</i> Gravitational Lensing Map. <i>Astrophysical Journal</i> , 2018, 860, 137.	4.5	25
98	TES Bolometer Array for the APEX-SZ Camera. <i>Journal of Low Temperature Physics</i> , 2008, 151, 697-702.	1.4	23
99	CMB/ <i>kSZ</i> and Compton- γ Maps from 2500 deg ² of SPT-SZ and <i>Planck</i> Survey Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 36.	7.7	22
100	Optimal Cosmic Microwave Background Lensing Reconstruction and Parameter Estimation with SPTpol Data. <i>Astrophysical Journal</i> , 2021, 922, 259.	4.5	21
101	Fractional polarization of extragalactic sources in the 500%deg ² SPTpol survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5712-5721.	4.4	20
102	MILLIMETER TRANSIENT POINT SOURCES IN THE SPTpol 100 SQUARE DEGREE SURVEY. <i>Astrophysical Journal</i> , 2016, 830, 143.	4.5	19
103	CONSTRAINTS ON THE HIGH- ℓ POWER SPECTRUM OF MILLIMETER-WAVE ANISOTROPIES FROM APEX-SZ. <i>Astrophysical Journal</i> , 2009, 701, 1958-1964.	4.5	18
104	An All Silicon Feedhorn-Coupled Focal Plane for Cosmic Microwave Background Polarimetry. <i>Journal of Low Temperature Physics</i> , 2012, 167, 904-910.	1.4	18
105	Analysis of Sunyaev-Zel'dovich effect mass-observable relations using South Pole Telescope observations of an X-ray selected sample of low-mass galaxy clusters and groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 2085-2099.	4.4	18
106	A Comparison of Maps and Power Spectra Determined from South Pole Telescope and <i>Planck</i> Data. <i>Astrophysical Journal</i> , 2018, 853, 3.	4.5	18
107	Weak-lensing mass calibration of the Sunyaev-Zel'dovich effect using APEX-SZ galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1728-1759.	4.4	18
108	Feedhorn-Coupled TES Polarimeters for Next-Generation CMB Instruments. <i>AIP Conference Proceedings</i> , 2009, , .	0.4	17

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109	Planar Orthomode Transducers for Feedhorn-coupled TES Polarimeters. , 2009, , .		17
110	Feedhorn-coupled TES polarimeter camera modules at 150 GHz for CMB polarization measurements with SPTpol. Proceedings of SPIE, 2012, , .	0.8	17
111	Performance and on-sky optical characterization of the SPTpol instrument. Proceedings of SPIE, 2012, , .	0.8	16
112	Optimization of Transition Edge Sensor Arrays for Cosmic Microwave Background Observations With the South Pole Telescope. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	16
113	Optical Characterization of the SPT-3G Camera. Journal of Low Temperature Physics, 2018, 193, 305-313.	1.4	16
114	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. Journal of Low Temperature Physics, 2018, 193, 758-770.	1.4	16
115	Fabrication of Detector Arrays for the SPT-3G Receiver. Journal of Low Temperature Physics, 2018, 193, 703-711.	1.4	16
116	Cosmological lensing ratios with DES Y1, SPT, and Planck. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1363-1379.	4.4	16
117	Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. Astrophysical Journal, 2021, 916, 98.	4.5	16
118	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. Proceedings of SPIE, 2016, , .	0.8	15
119	Shocks in the stacked Sunyaev-Zelâ€™dovich profiles of clusters II: Measurements from SPT-SZ + Planck Compton-y map. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1645-1663.	4.4	15
120	Design and characterization of 90 GHz feedhorn-coupled TES polarimeter pixels in the SPTPol camera. Proceedings of SPIE, 2012, , .	0.8	13
121	Tuning SPT-3G Transition-Edge-Sensor Electrical Properties with a Four-Layer Auâ€™Auâ€™Au Thin-Film Stack. Journal of Low Temperature Physics, 2018, 193, 695-702.	1.4	13
122	Design and Assembly of SPT-3G Cold Readout Hardware. Journal of Low Temperature Physics, 2018, 193, 547-555.	1.4	13
123	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. Physical Review Letters, 2019, 123, 181301.	7.8	12
124	On-Sky Performance of the SPT-3G Frequency-Domain Multiplexed Readout. Journal of Low Temperature Physics, 2020, 199, 182-191.	1.4	11
125	Stability of Al-Mn Transition Edge Sensors for Frequency Domain Multiplexing. IEEE Transactions on Applied Superconductivity, 2011, 21, 203-206.	1.7	10
126	South Pole Telescope software systems: control, monitoring, and data acquisition. Proceedings of SPIE, 2012, , .	0.8	10

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127	A Study of Al ²⁷ Mn Transition Edge Sensor Engineering for Stability. Journal of Low Temperature Physics, 2014, 176, 383-391.	1.4	10
128	MAPS OF THE MAGELLANIC CLOUDS FROM COMBINED SOUTH POLE TELESCOPE AND PLANCK DATA. Astrophysical Journal, Supplement Series, 2016, 227, 23.	7.7	10
129	Galaxy cluster scaling relations measured with APEX-SZ. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3432-3446.	4.4	10
130	Optical properties of Feedhorn-coupled TES polarimeters for CMB polarimetry. , 2009, , .		8
131	Low Loss Superconducting Microstrip Development at Argonne National Lab. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	8
132	Measurements of the Cross-spectra of the Cosmic Infrared and Microwave Backgrounds from 95 to 1200 GHz. Astrophysical Journal, 2019, 881, 96.	4.5	8
133	Deployment of Polarbear-2A. Journal of Low Temperature Physics, 2020, 199, 1137-1147.	1.4	8
134	Development of Space-Optimized TES Bolometer Arrays for LiteBIRD. Journal of Low Temperature Physics, 2020, 199, 646-653.	1.4	8
135	MEASUREMENT OF GALAXY CLUSTER INTEGRATED COMPTONIZATION AND MASS SCALING RELATIONS WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2015, 799, 137.	4.5	7
136	Performance of Al ²⁷ Mn Transition-Edge Sensor Bolometers in SPT-3G. Journal of Low Temperature Physics, 2020, 199, 320-329.	1.4	7
137	Broadband, millimeter-wave antireflection coatings for large-format, cryogenic aluminum oxide optics. Applied Optics, 2020, 59, 3285.	1.8	7
138	Improved Upper Limit on Degree-scale CMB B-mode Polarization Power from the 670 Square-degree POLARBEAR Survey. Astrophysical Journal, 2022, 931, 101.	4.5	7
139	Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane. Journal of Low Temperature Physics, 2018, 193, 1085-1093.	1.4	6
140	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. Journal of Low Temperature Physics, 2018, 193, 841-850.	1.4	6
141	Thermal Links and Microstrip Transmission Lines in SPT-3G Bolometers. Journal of Low Temperature Physics, 2018, 193, 712-719.	1.4	5
142	Improving Cosmological Constraints from Galaxy Cluster Number Counts with CMB-cluster-lensing Data: Results from the SPT-SZ Survey and Forecasts for the Future. Astrophysical Journal, 2022, 931, 139.	4.5	5
143	Characterizing and Modeling the Noise and Complex Impedance of Feedhorn-Coupled TES Polarimeters. , 2009, , .		4
144	Measurements of Bolometer Uniformity for Feedhorn Coupled TES Polarimeters. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
145	Optical efficiency of feedhorn-coupled TES polarimeters for next-generation CMB instruments. , 2010, , .		4
146	Further Optimization of the APEX-SZ TES Bolometer Array. , 2009, , .		3
147	Development and characterization of the readout system for POLARBEAR-2. , 2014, , .		3
148	SPT-SZ: a Sunyaev-ZePdvovich survey for galaxy clusters. , 2009, , .		1