

# N W Halverson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8429240/publications.pdf>

Version: 2024-02-01

148  
papers

13,879  
citations

18436

62  
h-index

20307

116  
g-index

149  
all docs

149  
docs citations

149  
times ranked

5953  
citing authors

#	ARTICLE	IF	CITATIONS
1	CMB/κSZ and Compton- $\gamma$ Maps from 2500 deg <sup>2</sup> of SPT-SZ and Planck Survey Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 36.	3.0	22
2	The Design and Integrated Performance of SPT-3G. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 42.	3.0	29
3	Shocks in the stacked Sunyaev-Zel'dovich profiles of clusters II: Measurements from SPT-SZ + Planck Compton- $\gamma$ map. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1645-1663.	1.6	15
4	Improved Upper Limit on Degree-scale CMB B-mode Polarization Power from the 670 Square-degree POLARBEAR Survey. <i>Astrophysical Journal</i> , 2022, 931, 101.	1.6	7
5	Improving Cosmological Constraints from Galaxy Cluster Number Counts with CMB-cluster-lensing Data: Results from the SPT-SZ Survey and Forecasts for the Future. <i>Astrophysical Journal</i> , 2022, 931, 139.	1.6	5
6	An Improved Measurement of the Secondary Cosmic Microwave Background Anisotropies from the SPT-SZ + SPTpol Surveys. <i>Astrophysical Journal</i> , 2021, 908, 199.	1.6	52
7	Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. <i>Astrophysical Journal</i> , 2021, 916, 98.	1.6	16
8	Optimal Cosmic Microwave Background Lensing Reconstruction and Parameter Estimation with SPTpol Data. <i>Astrophysical Journal</i> , 2021, 922, 259.	1.6	21
9	On-Sky Performance of the SPT-3G Frequency-Domain Multiplexed Readout. <i>Journal of Low Temperature Physics</i> , 2020, 199, 182-191.	0.6	11
10	Performance of Al <sup>100</sup> Mn Transition-Edge Sensor Bolometers in SPT-3G. <i>Journal of Low Temperature Physics</i> , 2020, 199, 320-329.	0.6	7
11	Deployment of Polarbear-2A. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1137-1147.	0.6	8
12	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1107-1117.	0.6	64
13	Galaxy Clusters Selected via the Sunyaev-Zel'dovich Effect in the SPTpol 100-square-degree Survey. <i>Astronomical Journal</i> , 2020, 159, 110.	1.9	41
14	Development of Space-Optimized TES Bolometer Arrays for LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020, 199, 646-653.	0.6	8
15	Broadband, millimeter-wave antireflection coatings for large-format, cryogenic aluminum oxide optics. <i>Applied Optics</i> , 2020, 59, 3285.	0.9	7
16	Constraints on Cosmological Parameters from the 500 deg <sup>2</sup> SPTPOL Lensing Power Spectrum. <i>Astrophysical Journal</i> , 2020, 888, 119.	1.6	52
17	Millimeter-wave Point Sources from the 2500 Square Degree SPT-SZ Survey: Catalog and Population Statistics. <i>Astrophysical Journal</i> , 2020, 900, 55.	1.6	40
18	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 25.	3.0	101

#	ARTICLE	IF	CITATIONS
19	Measurements of the Cross-spectra of the Cosmic Infrared and Microwave Backgrounds from 95 to 1200 GHz. <i>Astrophysical Journal</i> , 2019, 881, 96.	1.6	8
20	Fractional polarization of extragalactic sources in the 500 $\times$ deg <sup>2</sup> SPTpol survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5712-5721.	1.6	20
21	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. <i>Physical Review Letters</i> , 2019, 123, 181301.	2.9	12
22	Cosmological lensing ratios with DES Y1, SPT, and Planck. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1363-1379.	1.6	16
23	Cluster Cosmology Constraints from the 2500 deg <sup>2</sup> SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 878, 55.	1.6	211
24	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. <i>Astrophysical Journal</i> , 2019, 872, 170.	1.6	28
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.	0.6	193
26	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	3.0	618
27	A Measurement of the Cosmic Microwave Background Lensing Potential and Power Spectrum from 500 deg <sup>2</sup> of SPTpol Temperature and Polarization Data. <i>Astrophysical Journal</i> , 2019, 884, 70.	1.6	71
28	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.	1.6	18
29	Tuning SPT-3G Transition-Edge-Sensor Electrical Properties with a Four-Layer Ti/Au Thin-Film Stack. <i>Journal of Low Temperature Physics</i> , 2018, 193, 695-702.	0.6	13
30	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.	1.6	145
31	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.	1.6	41
32	A Comparison of Maps and Power Spectra Determined from South Pole Telescope and Planck Data. <i>Astrophysical Journal</i> , 2018, 853, 3.	1.6	18
33	Design and Assembly of SPT-3G Cold Readout Hardware. <i>Journal of Low Temperature Physics</i> , 2018, 193, 547-555.	0.6	13
34	Optical Characterization of the SPT-3G Camera. <i>Journal of Low Temperature Physics</i> , 2018, 193, 305-313.	0.6	16
35	Maps of the Southern Millimeter-wave Sky from Combined 2500 deg <sup>2</sup> SPT-SZ and Planck Temperature Data. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 10.	3.0	28
36	Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1085-1093.	0.6	6

#	ARTICLE	IF	CITATIONS
37	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. <i>Journal of Low Temperature Physics</i> , 2018, 193, 758-770.	0.6	16
38	SPT-3G: A Multichroic Receiver for the South Pole Telescope. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1057-1065.	0.6	27
39	Thermal Links and Microstrip Transmission Lines in SPT-3G Bolometers. <i>Journal of Low Temperature Physics</i> , 2018, 193, 712-719.	0.6	5
40	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1048-1056.	0.6	96
41	Fabrication of Detector Arrays for the SPT-3G Receiver. <i>Journal of Low Temperature Physics</i> , 2018, 193, 703-711.	0.6	16
42	Constraints on Cosmological Parameters from the Angular Power Spectrum of a Combined 2500 deg <sup>2</sup> SPT-SZ and Planck Gravitational Lensing Map. <i>Astrophysical Journal</i> , 2018, 860, 137.	1.6	25
43	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2018, 193, 841-850.	0.6	6
44	Optimization of Transition Edge Sensor Arrays for Cosmic Microwave Background Observations With the South Pole Telescope. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.1	16
45	CMB Polarization B-mode Delensing with SPTpol and Herschel. <i>Astrophysical Journal</i> , 2017, 846, 45.	1.6	48
46	A 2500 deg <sup>2</sup> CMB Lensing Map from Combined South Pole Telescope and Planck Data. <i>Astrophysical Journal</i> , 2017, 849, 124.	1.6	49
47	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.	1.6	53
48	MILLIMETER TRANSIENT POINT SOURCES IN THE SPTpol 100 SQUARE DEGREE SURVEY. <i>Astrophysical Journal</i> , 2016, 830, 143.	1.6	19
49	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 95.	1.6	179
50	MAPS OF THE MAGELLANIC CLOUDS FROM COMBINED SOUTH POLE TELESCOPE AND PLANCK DATA. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 23.	3.0	10
51	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.	3.0	36
52	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. <i>Proceedings of SPIE</i> , 2016, , .	0.8	15
53	Galaxy cluster scaling relations measured with APEX-SZ. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3432-3446.	1.6	10
54	MODELING ATMOSPHERIC EMISSION FOR CMB GROUND-BASED OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 809, 63.	1.6	27

#	ARTICLE	IF	CITATIONS
55	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.	1.6	47
56	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.	1.6	18
57	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES FROM THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2015, 799, 177.	1.6	183
58	MEASUREMENT OF GALAXY CLUSTER INTEGRATED COMPTONIZATION AND MASS SCALING RELATIONS WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2015, 799, 137.	1.6	7
59	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.	1.6	120
60	Low Loss Superconducting Microstrip Development at Argonne National Lab. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.1	8
61	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.	3.0	464
62	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.	1.6	117
63	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.	1.8	29
64	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND GRAVITATIONAL LENSING POTENTIAL FROM 100 SQUARE DEGREES OF SPTPOL DATA. <i>Astrophysical Journal</i> , 2015, 810, 50.	1.6	99
65	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.	1.6	66
66	The Simons Array: expanding POLARBEAR to three multi-chroic telescopes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	25
67	SPT-3G: a next-generation cosmic microwave background polarization experiment on the South Pole telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	249
68	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.	1.6	42
69	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 792, 45.	1.6	103
70	Development and characterization of the readout system for POLARBEAR-2. , 2014, , .		3
71	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 794, 67.	1.6	90
72	A MEASUREMENT OF THE SECONDARY-CMB AND MILLIMETER-WAVE-FOREGROUND BISPECTRUM USING 800 deg <sup>2</sup> OF SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2014, 784, 143.	1.6	49

#	ARTICLE	IF	CITATIONS
73	A Study of Al <sup>+</sup> Mn Transition Edge Sensor Engineering for Stability. Journal of Low Temperature Physics, 2014, 176, 383-391.	0.6	10
74	Evidence for Gravitational Lensing of the Cosmic Microwave Background Polarization from Cross-Correlation with the Cosmic Infrared Background. Physical Review Letters, 2014, 112, 131302.	2.9	81
75	CONSTRAINTS ON COSMOLOGY FROM THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM OF THE 2500 deg <sup>2</sup> SPT-SZ SURVEY. Astrophysical Journal, 2014, 782, 74.	1.6	189
76	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND <i>B</i> -MODE POLARIZATION POWER SPECTRUM AT SUB-DEGREE SCALES WITH POLARBEAR. Astrophysical Journal, 2014, 794, 171.	1.6	233
77	Constraints on the CMB temperature evolution using multiband measurements of the Sunyaev-Zel'dovich effect with the South Pole Telescope. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2610-2615.	1.6	51
78	Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum with the POLARBEAR Experiment. Physical Review Letters, 2014, 113, 021301.	2.9	138
79	Detection of $B$ -Mode Polarization in the Cosmic Microwave Background with Data from the South Pole Telescope. Physical Review Letters, 2013, 111, 141301.	2.9	280
80	A COSMIC MICROWAVE BACKGROUND LENSING MASS MAP AND ITS CORRELATION WITH THE COSMIC INFRARED BACKGROUND. Astrophysical Journal Letters, 2013, 771, L16.	3.0	76
81	Dusty starburst galaxies in the early Universe as revealed by gravitational lensing. Nature, 2013, 495, 344-347.	13.7	255
82	THE GROWTH OF COOL CORES AND EVOLUTION OF COOLING PROPERTIES IN A SAMPLE OF 83 GALAXY CLUSTERS AT 0.3 <math>z</math> <math>< i>z</i>< /math> 1.2 SELECTED FROM THE SPT-SZ SURVEY. Astrophysical Journal, 2013, 774, 23.	1.6	144
83	EXTRAGALACTIC MILLIMETER-WAVE POINT-SOURCE CATALOG, NUMBER COUNTS AND STATISTICS FROM 771 deg <sup>2</sup> OF THE SPT-SZ SURVEY. Astrophysical Journal, 2013, 779, 61.	1.6	115
84	ALMA REDSHIFTS OF MILLIMETER-SELECTED GALAXIES FROM THE SPT SURVEY: THE REDSHIFT DISTRIBUTION OF DUSTY STAR-FORMING GALAXIES. Astrophysical Journal, 2013, 767, 88.	1.6	232
85	A DIRECT MEASUREMENT OF THE LINEAR BIAS OF MID-INFRARED-SELECTED QUASARS AT $z \approx 1$ USING COSMIC MICROWAVE BACKGROUND LENSING. Astrophysical Journal Letters, 2013, 776, L41.	3.0	52
86	ALMA OBSERVATIONS OF SPT-DISCOVERED, STRONGLY LENSED, DUSTY, STAR-FORMING GALAXIES. Astrophysical Journal, 2013, 767, 132.	1.6	109
87	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND DAMPING TAIL FROM THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, 2013, 779, 86.	1.6	240
88	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2013, 763, 127.	1.6	240
89	SPT-CL J0205+5829: A $z = 1.32$ EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. Astrophysical Journal, 2013, 763, 93.	1.6	54
90	COSMOLOGICAL CONSTRAINTS FROM SUNYAEV-ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178 deg <sup>2</sup> OF THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2013, 763, 147.	1.6	206

#	ARTICLE	IF	CITATIONS
91	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.	0.6	110
92	Feedhorn-coupled TES polarimeter camera modules at 150 GHz for CMB polarization measurements with SPTpol. <i>Proceedings of SPIE</i> , 2012, , .	0.8	17
93	Performance and on-sky optical characterization of the SPTpol instrument. <i>Proceedings of SPIE</i> , 2012, , .	0.8	16
94	Design and characterization of 90 GHz feedhorn-coupled TES polarimeter pixels in the SPTPol camera. <i>Proceedings of SPIE</i> , 2012, , .	0.8	13
95	South Pole Telescope software systems: control, monitoring, and data acquisition. <i>Proceedings of SPIE</i> , 2012, , .	0.8	10
96	COSMIC MICROWAVE BACKGROUND CONSTRAINTS ON THE DURATION AND TIMING OF REIONIZATION FROM THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2012, 756, 65.	1.6	128
97	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.	1.6	29
98	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.	3.0	76
99	SUBMILLIMETER OBSERVATIONS OF MILLIMETER BRIGHT GALAXIES DISCOVERED BY THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2012, 756, 101.	1.6	67
100	A massive, cooling-flow-induced starburst in the core of a luminous cluster of galaxies. <i>Nature</i> , 2012, 488, 349-352.	13.7	154
101	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH TWO YEARS OF SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 755, 70.	1.6	228
102	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.	1.6	89
103	SPTpol: an instrument for CMB polarization measurements with the South Pole Telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	98
104	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. <i>Astrophysical Journal</i> , 2012, 758, 68.	1.6	42
105	A MEASUREMENT OF GRAVITATIONAL LENSING OF THE MICROWAVE BACKGROUND USING SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2012, 756, 142.	1.6	212
106	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
107	The 10 Meter South Pole Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2011, 123, 568-581.	1.0	496
108	THE FIRST PUBLIC RELEASE OF SOUTH POLE TELESCOPE DATA: MAPS OF A 95 deg <sup>2</sup> FIELD FROM 2008 OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 743, 90.	1.6	81

#	ARTICLE	IF	CITATIONS
109	Stability of Al-Mn Transition Edge Sensors for Frequency Domain Multiplexing. IEEE Transactions on Applied Superconductivity, 2011, 21, 203-206.	1.1	10
110	IMPROVED CONSTRAINTS ON COSMIC MICROWAVE BACKGROUND SECONDARY ANISOTROPIES FROM THE COMPLETE 2008 SOUTH POLE TELESCOPE DATA. Astrophysical Journal, 2011, 736, 61.	1.6	86
111	SOUTH POLE TELESCOPE DETECTIONS OF THE PREVIOUSLY UNCONFIRMED <i>PLANCK</i> EARLY SUNYAEV-ZEL'DOVICH CLUSTERS IN THE SOUTHERN HEMISPHERE. Astrophysical Journal Letters, 2011, 735, L36.	3.0	28
112	X-RAY PROPERTIES OF THE FIRST SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTER SAMPLE FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2011, 738, 48.	1.6	137
113	DISCOVERY AND COSMOLOGICAL IMPLICATIONS OF SPT-CL J2106-5844, THE MOST MASSIVE KNOWN CLUSTER AT $z \approx 1$ . Astrophysical Journal, 2011, 731, 86.	1.6	104
114	A SUNYAEV-ZEL'DOVICH-SELECTED SAMPLE OF THE MOST MASSIVE GALAXY CLUSTERS IN THE 2500 $\text{deg}^2$ SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2011, 738, 139.	1.6	213
115	A MEASUREMENT OF THE DAMPING TAIL OF THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2011, 743, 28.	1.6	433
116	Invited Article: Millimeter-wave bolometer array receiver for the Atacama pathfinder experiment Sunyaev-Zel'dovich (APEX-SZ) instrument. Review of Scientific Instruments, 2011, 82, 091301.	0.6	30
117	ANGULAR POWER SPECTRA OF THE MILLIMETER-WAVELENGTH BACKGROUND LIGHT FROM DUSTY STAR-FORMING GALAXIES WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 718, 632-646.	1.6	122
118	SUNYAEV-ZEL'DOVICH CLUSTER PROFILES MEASURED WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 716, 1118-1135.	1.6	117
119	EXTRAGALACTIC MILLIMETER-WAVE SOURCES IN SOUTH POLE TELESCOPE SURVEY DATA: SOURCE COUNTS, CATALOG, AND STATISTICS FOR AN 87 SQUARE-DEGREE FIELD. Astrophysical Journal, 2010, 719, 763-783.	1.6	252
120	MEASUREMENTS OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 719, 1045-1066.	1.6	145
121	Non-parametric modeling of the intra-cluster gas using APEX-SZ bolometer imaging data. Astronomy and Astrophysics, 2010, 519, A29.	2.1	38
122	SPT-CL J0546-5345: A MASSIVE $z \approx 1$ GALAXY CLUSTER SELECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 721, 90-97.	1.6	94
123	OPTICAL REDSHIFT AND RICHNESS ESTIMATES FOR GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-Zel'dovich EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. Astrophysical Journal, 2010, 723, 1736-1747.	1.6	59
124	Optical efficiency of feedhorn-coupled TES polarimeters for next-generation CMB instruments. , 2010, , .		4
125	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. Astrophysical Journal, 2010, 722, 1180-1196.	1.6	285
126	SPTpol: an instrument for CMB polarization. , 2009, , .		30



#	ARTICLE	IF	CITATIONS
127	GALAXY CLUSTERS DISCOVERED WITH A SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2009, 701, 32-41.	1.6	228
128	CONSTRAINTS ON THE HIGH- $\ell$ POWER SPECTRUM OF MILLIMETER-WAVE ANISOTROPIES FROM APEX-SZ. <i>Astrophysical Journal</i> , 2009, 701, 1958-1964.	1.6	18
129	Multi-frequency imaging of the galaxy cluster Abell 2163 using the Sunyaev-Zel'dovich effect. <i>Astronomy and Astrophysics</i> , 2009, 506, 623-636.	2.1	46
130	SUNYAEV-ZEL'DOVICH EFFECT OBSERVATIONS OF THE BULLET CLUSTER (1E 0657-56) WITH APEX-SZ. <i>Astrophysical Journal</i> , 2009, 701, 42-51.	1.6	52
131	Characterizing and Modeling the Noise and Complex Impedance of Feedhorn-Coupled TES Polarimeters. , 2009, , .		4
132	Feedhorn-Coupled TES Polarimeters for Next-Generation CMB Instruments. <i>AIP Conference Proceedings</i> , 2009, , .	0.3	17
133	Further Optimization of the APEX-SZ TES Bolometer Array. , 2009, , .		3
134	SPT-SZ: a Sunyaev-Zel'dovich survey for galaxy clusters. , 2009, , .		1
135	Planar Orthomode Transducers for Feedhorn-coupled TES Polarimeters. , 2009, , .		17
136	Measurements of Bolometer Uniformity for Feedhorn Coupled TES Polarimeters. , 2009, , .		4
137	Optical properties of Feedhorn-coupled TES polarimeters for CMB polarimetry. , 2009, , .		8
138	TES Bolometer Array for the APEX-SZ Camera. <i>Journal of Low Temperature Physics</i> , 2008, 151, 697-702.	0.6	23
139	South Pole Telescope optics. <i>Applied Optics</i> , 2008, 47, 4418.	2.1	59
140	Degree Angular Scale Interferometer 3 Year Cosmic Microwave Background Polarization Results. <i>Astrophysical Journal</i> , 2005, 624, 10-20.	1.6	150
141	The Anisotropy of the Microwave Background $\ell = 3500$ : Mosaic Observations with the Cosmic Background Imager. <i>Astrophysical Journal</i> , 2003, 591, 556-574.	1.6	253
142	The Anisotropy of the Microwave Background $\ell = 3500$ : Deep Field Observations with the Cosmic Background Imager. <i>Astrophysical Journal</i> , 2003, 591, 540-555.	1.6	262
143	Degree Angular Scale Interferometer First Results: A Measurement of the Cosmic Microwave Background Angular Power Spectrum. <i>Astrophysical Journal</i> , 2002, 568, 38-45.	1.6	637
144	Experiment Design and First Season Observations with the Degree Angular Scale Interferometer. <i>Astrophysical Journal</i> , 2002, 568, 28-37.	1.6	47

#	ARTICLE	IF	CITATIONS
145	Cosmological Parameter Extraction from the First Season of Observations with the Degree Angular Scale Interferometer. <i>Astrophysical Journal</i> , 2002, 568, 46-51.	1.6	276
146	Detection of polarization in the cosmic microwave background using DASI. <i>Nature</i> , 2002, 420, 772-787.	13.7	501
147	Measurement of polarization with the Degree Angular Scale Interferometer. <i>Nature</i> , 2002, 420, 763-771.	13.7	99
148	Anisotropy in the Cosmic Microwave Background at Degree Angular Scales: Python V Results. <i>Astrophysical Journal</i> , 1999, 519, L5-L8.	1.6	44