Christian L Reichardt

List of Publications by Year
in descending order

188	13,388	15504 65	23533 111
papers	citations	h-index	g-index

190	190	190	5518
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	741
2	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, Supplement Series, 2015, 216, 27.	7.7	464
3	A MEASUREMENT OF THE DAMPING TAIL OF THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2011, 743, 28.	4.5	433
4	HIGH-RESOLUTION CMB POWER SPECTRUM FROM THE COMPLETE ACBAR DATA SET. Astrophysical Journal, 2009, 694, 1200-1219.	4.5	303
5	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. Astrophysical Journal, 2010, 722, 1180-1196.	4.5	285
6	Detection of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math>-Mode Polarization in the Cosmic Microwave Background with Data from the South Pole Telescope. Physical Review Letters, 2013, 111, 141301.	7.8	280
7	Dusty starburst galaxies in the early Universe as revealed by gravitational lensing. Nature, 2013, 495, 344-347.	27.8	255
8	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.	4.5	252
9	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND DAMPING TAIL FROM THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, 2013, 779, 86.	4.5	240
10	GALAXY CLUSTERS DISCOVERED VIA THE SUNYAEV-ZELâ€™DOVICH EFFECT IN THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2013, 763, 127.	4.5	240
11	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUNDB-MODE POLARIZATION POWER SPECTRUM AT SUB-DEGREE SCALES WITH POLARBEAR. Astrophysical Journal, 2014, 794, 171.	4.5	233
12	ALMA REDSHIFTS OF MILLIMETER-SELECTED GALAXIES FROM THE SPT SURVEY: THE REDSHIFT DISTRIBUTION OF DUSTY STAR-FORMING GALAXIES. Astrophysical Journal, 2013, 767, 88.	4.5	232
13	GALAXY CLUSTERS DISCOVERED WITH A SUNYAEV-ZEL'DOVICH EFFECT SURVEY. Astrophysical Journal, 2009, 701, 32-41.	4.5	228
14	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH TWO YEARS OF SOUTH POLE TELESCOPE OBSERVATIONS. Astrophysical Journal, 2012, 755, 70.	4.5	228
15	A SUNYAEV-ZEL'DOVICH-SELECTED SAMPLE OF THE MOST MASSIVE GALAXY CLUSTERS IN THE 2500 deg²SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2011, 738, 139.	4.5	213
16	A MEASUREMENT OF GRAVITATIONAL LENSING OF THE MICROWAVE BACKGROUND USING SOUTH POLE TELESCOPE DATA. Astrophysical Journal, 2012, 756, 142.	4.5	212
17	Cluster Cosmology Constraints from the 2500 deg² SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. Astrophysical Journal, 2019, 878, 55.	4.5	211
18	COSMOLOGICAL CONSTRAINTS FROM SUNYAEVâ€“ZEL'DOVICH-SELECTED CLUSTERS WITH X-RAY OBSERVATIONS IN THE FIRST 178Âdeg² OF THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2013, 763, 147.	4.5	206

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19	Dark Energy Survey Year 1 Results: A Precise H0 Estimate from DES Y1, BAO, and D/H Data. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3879-3888.	4.4	196
20	CONSTRAINTS ON COSMOLOGY FROM THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM OF THE 2500 deg²SPT-SZ SURVEY. Astrophysical Journal, 2014, 782, 74.	4.5	189
21	How massless neutrinos affect the cosmic microwave background damping tail. Physical Review D, 2013, 87, .	4.7	186
22	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES FROM THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, 2015, 799, 177.	4.5	183
23	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, 2016, 832, 95.	4.5	179
24	A massive, cooling-flow-induced starburst in the core of a luminous cluster of galaxies. Nature, 2012, 488, 349-352.	27.8	154
25	MEASUREMENTS OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 719, 1045-1066.	4.5	145
26	Measurements of the Temperature and E-mode Polarization of the CMB from 500 Square Degrees of SPTpol Data. Astrophysical Journal, 2018, 852, 97.	4.5	145
27	THE GROWTH OF COOL CORES AND EVOLUTION OF COOLING PROPERTIES IN A SAMPLE OF 83 GALAXY CLUSTERS AT 0.3 <i>z</i> 1.2 SELECTED FROM THE SPT-SZ SURVEY. Astrophysical Journal, 2013, 774, 23.	4.5	144
28	Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum with the POLARBEAR Experiment. Physical Review Letters, 2014, 113, 021301.	7.8	138
29	X-RAY PROPERTIES OF THE FIRST SUNYAEV-ZEL'DOVICH EFFECT SELECTED GALAXY CLUSTER SAMPLE FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2011, 738, 48.	4.5	137
30	COSMIC MICROWAVE BACKGROUND CONSTRAINTS ON THE DURATION AND TIMING OF REIONIZATION FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2012, 756, 65.	4.5	128
31	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.	4.5	122
32	MASS CALIBRATION AND COSMOLOGICAL ANALYSIS OF THE SPT-SZ GALAXY CLUSTER SAMPLE USING VELOCITY DISPERSION Ïƒ_vAND X-RAYY_XMEASUREMENTS. Astrophysical Journal, 2015, 799, 214.	4.5	120
33	The nature of the [Câ€‰ii] emission in dusty star-forming galaxies from the SPT survey. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2883-2900.	4.4	119
34	SUNYAEVâ€“ZELâ€™DOVICH CLUSTER PROFILES MEASURED WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 716, 1118-1135.	4.5	117
35	MEASUREMENTS OF SUB-DEGREEB-MODE POLARIZATION IN THE COSMIC MICROWAVE BACKGROUND FROM 100 SQUARE DEGREES OF SPTPOL DATA. Astrophysical Journal, 2015, 807, 151.	4.5	117
36	EXTRAGALACTIC MILLIMETER-WAVE POINT-SOURCE CATALOG, NUMBER COUNTS AND STATISTICS FROM 771 deg²OF THE SPT-SZ SURVEY. Astrophysical Journal, 2013, 779, 61.	4.5	115

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37	X-RAY CAVITIES IN A SAMPLE OF 83 SPT-SELECTED CLUSTERS OF GALAXIES: TRACING THE EVOLUTION OF AGN FEEDBACK IN CLUSTERS OF GALAXIES OUT TOz= 1.2. Astrophysical Journal, 2015, 805, 35.	4.5	115
38	ALMA OBSERVATIONS OF SPT-DISCOVERED, STRONGLY LENSED, DUSTY, STAR-FORMING GALAXIES. Astrophysical Journal, 2013, 767, 132.	4.5	109
39	THE REST-FRAME SUBMILLIMETER SPECTRUM OF HIGH-REDSHIFT, DUSTY, STAR-FORMING GALAXIES. Astrophysical Journal, 2014, 785, 149.	4.5	105
40	DISCOVERY AND COSMOLOGICAL IMPLICATIONS OF SPT-CL J2106-5844, THE MOST MASSIVE KNOWN CLUSTER AT z>1. Astrophysical Journal, 2011, 731, 86.	4.5	104
41	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. Astrophysical Journal, 2014, 792, 45.	4.5	103
42	The SPTpol Extended Cluster Survey. Astrophysical Journal, Supplement Series, 2020, 247, 25.	7.7	101
43	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND GRAVITATIONAL LENSING POTENTIAL FROM 100 SQUARE DEGREES OF SPTPOL DATA. Astrophysical Journal, 2015, 810, 50.	4.5	99
44	SPTpol: an instrument for CMB polarization measurements with the South Pole Telescope. Proceedings of SPIE, 2012, , .	0.8	98
45	CMB lensing tomography with the DES Science Verification galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3213-3244.	4.4	95
46	SPT-CL J0546-5345: A MASSIVEz>1 GALAXY CLUSTER SELECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 721, 90-97.	4.5	94
47	THE REDSHIFT EVOLUTION OF THE MEAN TEMPERATURE, PRESSURE, AND ENTROPY PROFILES IN 80 SPT-SELECTED GALAXY CLUSTERS. Astrophysical Journal, 2014, 794, 67.	4.5	90
48	REDSHIFTS, SAMPLE PURITY, AND BCG POSITIONS FOR THE GALAXY CLUSTER CATALOG FROM THE FIRST 720 SQUARE DEGREES OF THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2012, 761, 22.	4.5	89
49	Detection of the kinematic Sunyaevâ€“Zel'dovich effect with DES Year 1 and SPT. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3172-3193.	4.4	88
50	Constraints on the richnessâ€“mass relation and the optical-SZE positional offset distribution for SZE-selected clusters. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2305-2319.	4.4	87
51	IMPROVED CONSTRAINTS ON COSMIC MICROWAVE BACKGROUND SECONDARY ANISOTROPIES FROM THE COMPLETE 2008 SOUTH POLE TELESCOPE DATA. Astrophysical Journal, 2011, 736, 61.	4.5	86
52	A Measurement of the Cosmic Microwave Background B-mode Polarization Power Spectrum at Subdegree Scales from Two Years of polarbear Data. Astrophysical Journal, 2017, 848, 121.	4.5	83
53	THE FIRST PUBLIC RELEASE OF SOUTH POLE TELESCOPE DATA: MAPS OF A 95 deg²FIELD FROM 2008 OBSERVATIONS. Astrophysical Journal, 2011, 743, 90.	4.5	81
54	Evidence for Gravitational Lensing of the Cosmic Microwave Background Polarization from Cross-Correlation with the Cosmic Infrared Background. Physical Review Letters, 2014, 112, 131302.	7.8	81

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55	Alma Observations of Massive Molecular Gas Filaments Encasing Radio Bubbles in the Phoenix Cluster. Astrophysical Journal, 2017, 836, 130.	4.5	79
56	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. Astrophysical Journal, 2022, 926, 54.	4.5	79
57	POLARBEAR constraints on cosmic birefringence and primordial magnetic fields. Physical Review D, 2015, 92, .	4.7	78
58	Cluster mass calibration at high redshift: HST weak lensing analysis of 13 distant galaxy clusters from the South Pole Telescope Sunyaevâ€“Zel'dovich Survey. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2635-2678.	4.4	77
59	A MEASUREMENT OF THE CORRELATION OF GALAXY SURVEYS WITH CMB LENSING CONVERGENCE MAPS FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal Letters, 2012, 753, L9.	8.3	76
60	A COSMIC MICROWAVE BACKGROUND LENSING MASS MAP AND ITS CORRELATION WITH THE COSMIC INFRARED BACKGROUND. Astrophysical Journal Letters, 2013, 771, L16.	8.3	76
61	X-Ray Properties of SPT-selected Galaxy Clusters at 0.2 < z < 1.5 Observed with XMM-Newton. Astrophysical Journal, 2019, 871, 50.	4.5	74
62	A Measurement of the Cosmic Microwave Background Lensing Potential and Power Spectrum from 500 deg² of SPTpol Temperature and Polarization Data. Astrophysical Journal, 2019, 884, 70.	4.5	71
63	STAR-FORMING BRIGHTEST CLUSTER GALAXIES AT 0.25Â<ÂzÂ<Â1.25: A TRANSITIONING FUEL SUPPLY. Astrophysical Journal, 2016, 817, 86.	4.5	70
64	Baryon content in a sample of 91 galaxy clusters selected by the South Pole Telescope at 0.2Â<zÂ<Â1.25. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3072-3099.	4.4	70
65	SUBMILLIMETER OBSERVATIONS OF MILLIMETER BRIGHT GALAXIES DISCOVERED BY THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2012, 756, 101.	4.5	67
66	A MEASUREMENT OF GRAVITATIONAL LENSING OF THE COSMIC MICROWAVE BACKGROUND BY GALAXY CLUSTERS USING DATA FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2015, 806, 247.	4.5	66
67	The POLARBEAR experiment. Proceedings of SPIE, 2012, , .	0.8	65
68	THE EVOLUTION OF THE INTRACLUSTER MEDIUM METALLICITY IN SUNYAEV ZELâ€™DOVICH-SELECTED GALAXY CLUSTERS AT 0Â<ÂzÂ<Â1.5. Astrophysical Journal, 2016, 826, 124.	4.5	63
69	Sunyaevâ€“Zelâ€™dovich effect and X-ray scaling relations from weak lensing mass calibration of 32 South Pole Telescope selected galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2871-2906.	4.4	60
70	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.	4.5	59
71	SPT-CL J0205â€“5829: Az= 1.32 EVOLVED MASSIVE GALAXY CLUSTER IN THE SOUTH POLE TELESCOPE SUNYAEV-ZEL'DOVICH EFFECT SURVEY. Astrophysical Journal, 2013, 763, 93.	4.5	54
72	Baryon content of massive galaxy clusters at 0.57Â<Â<i>z</i>Â<Â1.33. Monthly Notices of the Royal Astronomical Society, 2016, 455, 258-275.	4.4	54

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73	A Comparison of Cosmological Parameters Determined from CMB Temperature Power Spectra from the South Pole Telescope and the Planck Satellite. Astrophysical Journal, 2017, 850, 101.	4.5	53
74	NEW LIMITS ON EARLY DARK ENERGY FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal Letters, 2012, 749, L9.	8.3	52
75	AN HST /WFC3-UVIS VIEW OF THE STARBURST IN THE COOL CORE OF THE PHOENIX CLUSTER. Astrophysical Journal Letters, 2013, 765, L37.	8.3	52
76	A DIRECT MEASUREMENT OF THE LINEAR BIAS OF MID-INFRARED-SELECTED QUASARS AT z â‰ˆ 1 USING COSMIC MICROWAVE BACKGROUND LENSING. Astrophysical Journal Letters, 2013, 776, L41.	8.3	52
77	Measurement of the splashback feature around SZ-selected Galaxy clusters with DES, SPT, and ACT. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2900-2918.	4.4	52
78	An Improved Measurement of the Secondary Cosmic Microwave Background Anisotropies from the SPT-SZ + SPTpol Surveys. Astrophysical Journal, 2021, 908, 199.	4.5	52
79	Constraints on Cosmological Parameters from the 500 deg² SPTPOL Lensing Power Spectrum. Astrophysical Journal, 2020, 888, 119.	4.5	52
80	Constraints on the CMB temperature evolution using multiband measurements of the Sunyaevâ€“Zel'dovich effect with the South Pole Telescope. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2610-2615.	4.4	51
81	A MEASUREMENT OF THE SECONDARY-CMB AND MILLIMETER-WAVE-FOREGROUND BISPECTRUM USING 800 deg²OF SOUTH POLE TELESCOPE DATA. Astrophysical Journal, 2014, 784, 143.	4.5	49
82	A 2500 deg² CMB Lensing Map from Combined South Pole Telescope and Planck Data. Astrophysical Journal, 2017, 849, 124.	4.5	49
83	CMB Polarization B-mode Delensing with SPTpol and Herschel. Astrophysical Journal, 2017, 846, 45.	4.5	48
84	MEASUREMENTS OF E-MODE POLARIZATION AND TEMPERATURE-E-MODE CORRELATION IN THE COSMIC MICROWAVE BACKGROUND FROM 100 SQUARE DEGREES OF SPTPOL DATA. Astrophysical Journal, 2015, 805, 36.	4.5	47
85	Multi-frequency imaging of the galaxy cluster Abell 2163 using the Sunyaev-Zel'dovich effect. Astronomy and Astrophysics, 2009, 506, 623-636.	5.1	46
86	Cross-correlation of gravitational lensing from DES Science Verification data with SPT andPlancklensing. Monthly Notices of the Royal Astronomical Society, 2016, 459, 21-34.	4.4	46
87	Galaxy populations in the most distant SPT-SZ clusters. Astronomy and Astrophysics, 2019, 622, A117.	5.1	45
88	OPTICAL AND X-RAY OBSERVATIONS OF THE MERGING CLUSTER AS1063. Astronomical Journal, 2012, 144, 79.	4.7	44
89	WEAK-LENSING MASS MEASUREMENTS OF FIVE GALAXY CLUSTERS IN THE SOUTH POLE TELESCOPE SURVEY USING MAGELLAN/MEGACAM. Astrophysical Journal, 2012, 758, 68.	4.5	42
90	SPT-CL J2040â€“4451: AN SZ-SELECTED GALAXY CLUSTER ATz= 1.478 WITH SIGNIFICANT ONGOING STAR FORMATION. Astrophysical Journal, 2014, 794, 12.	4.5	42

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91	Anatomy of a Cooling Flow: The Feedback Response to Pure Cooling in the Core of the Phoenix Cluster. Astrophysical Journal, 2019, 885, 63.	4.5	42
92	Performance of a continuously rotating half-wave plate on the POLARBEAR telescope. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 008-008.	5.4	41
93	A measurement of CMB cluster lensing with SPT and DES year 1 data. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2674-2688.	4.4	41
94	Galaxy Clusters Selected via the Sunyaevâ€“Zelâ€™dovich Effect in the SPTpol 100-square-degree Survey. Astronomical Journal, 2020, 159, 110.	4.7	41
95	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. Astrophysical Journal, 2020, 897, 55.	4.5	41
96	Millimeter-wave Point Sources from the 2500 Square Degree SPT-SZ Survey: Catalog and Population Statistics. Astrophysical Journal, 2020, 900, 55.	4.5	40
97	Non-parametric modeling of the intra-cluster gas using APEX-SZ bolometer imaging data. Astronomy and Astrophysics, 2010, 519, A29.	5.1	38
98	SPT 0538â€“50: PHYSICAL CONDITIONS IN THE INTERSTELLAR MEDIUM OF A STRONGLY LENSED DUSTY STAR-FORMING GALAXY ATz= 2.8. Astrophysical Journal, 2013, 779, 67.	4.5	37
99	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. Astrophysical Journal, Supplement Series, 2016, 227, 3.	7.7	36
100	Large gas reservoirs and freeâ€“free emission in two lensed star-forming galaxies at zÂ= 2.7. Monthly Notices of the Royal Astronomical Society, 2013, 433, 498-505.	4.4	33
101	POLARBEAR-2: an instrument for CMB polarization measurements. Proceedings of SPIE, 2016, , .	0.8	31
102	Statistics of Sunyaev-Zel'dovich cluster surveys. Monthly Notices of the Royal Astronomical Society, 2002, 331, 71-84.	4.4	30
103	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.	1.3	30
104	HIGH-REDSHIFT COOL-CORE GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT IN THE SOUTH POLE TELESCOPE SURVEY. Astrophysical Journal, 2012, 761, 183.	4.5	29
105	Year two instrument status of the SPT-3G cosmic microwave background receiver. , 2018, , .		29
106	The Design and Integrated Performance of SPT-3G. Astrophysical Journal, Supplement Series, 2022, 258, 42.	7.7	29
107	SOUTH POLE TELESCOPE DETECTIONS OF THE PREVIOUSLY UNCONFIRMED PLANCK EARLY SUNYAEV-ZELâ€™DOVICH CLUSTERS IN THE SOUTHERN HEMISPHERE. Astrophysical Journal Letters, 2011, 735, L36.	8.3	28
108	Maps of the Southern Millimeter-wave Sky from Combined 2500 deg ² SPT-SZ and Planck Temperature Data. Astrophysical Journal, Supplement Series, 2018, 239, 10.	7.7	28

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109	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. Astrophysical Journal, 2019, 872, 170.	4.5	28
110	MODELING ATMOSPHERIC EMISSION FOR CMB GROUND-BASED OBSERVATIONS. Astrophysical Journal, 2015, 809, 63.	4.5	27
111	SPT-3G: A Multichroic Receiver for the South Pole Telescope. Journal of Low Temperature Physics, 2018, 193, 1057-1065.	1.4	27
112	A Measurement of the CMB E-mode Angular Power Spectrum at Subdegree Scales from 670 Square Degrees of POLARBEAR Data. Astrophysical Journal, 2020, 904, 65.	4.5	27
113	Detection of enhancement in number densities of background galaxies due to magnification by massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3050-3065.	4.4	26
114	Current and Future Constraints on Primordial Magnetic Fields. Astrophysical Journal, 2017, 846, 164.	4.5	26
115	The Simons Array: expanding POLARBEAR to three multi-chroic telescopes. Proceedings of SPIE, 2014, , .	0.8	25
116	Constraints on Cosmological Parameters from the Angular Power Spectrum of a Combined 2500 deg² SPT-SZ and Planck Gravitational Lensing Map. Astrophysical Journal, 2018, 860, 137.	4.5	25
117	Galaxy kinematics and mass calibration in massive SZE-selected galaxy clusters tozÂ=Â1.3. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1043-1061.	4.4	25
118	Internal Delensing of Cosmic Microwave Background Polarization <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math> -Modes with the POLARBEAR Experiment. Physical Review Letters, 2020, 124, 131301.	7.8	25
119	Measuring galaxy cluster masses with CMB lensing using a Maximum Likelihood estimator: statistical and systematic error budgets for future experiments. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 030-030.	5.4	23
120	A METHOD FOR INDIVIDUAL SOURCE BRIGHTNESS ESTIMATION IN SINGLE- AND MULTI-BAND DATA. Astrophysical Journal, 2010, 718, 513-521.	4.5	22
121	CMB/kSZ and Compton-y Maps from 2500 deg² of SPT-SZ and Planck Survey Data. Astrophysical Journal, Supplement Series, 2022, 258, 36.	7.7	22
122	Weak-lensing analysis of SPT-selected galaxy clusters using Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2019, 485, 69-87.	4.4	21
123	Optimal Cosmic Microwave Background Lensing Reconstruction and Parameter Estimation with SPTpol Data. Astrophysical Journal, 2021, 922, 259.	4.5	21
124	Fractional polarization of extragalactic sources in the 500â€‰deg2 SPTpol survey. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5712-5721.	4.4	20
125	Evidence for the Cross-correlation between Cosmic Microwave Background Polarization Lensing from Polarbear and Cosmic Shear from Subaru Hyper Suprime-Cam. Astrophysical Journal, 2019, 882, 62.	4.5	20
126	MILLIMETER TRANSIENT POINT SOURCES IN THE SPTpol 100 SQUARE DEGREE SURVEY. Astrophysical Journal, 2016, 830, 143.	4.5	19

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127	CONSTRAINTS ON THE HIGH-â„“ POWER SPECTRUM OF MILLIMETER-WAVE ANISOTROPIES FROM APEX-SZ. Astrophysical Journal, 2009, 701, 1958-1964.	4.5	18
128	Analysis of Sunyaevâ€“Zel'dovich effect massâ€“observable relations using South Pole Telescope observations of an X-ray selected sample of low-mass galaxy clusters and groups. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2085-2099.	4.4	18
129	A Comparison of Maps and Power Spectra Determined from South Pole Telescope and Planck Data. Astrophysical Journal, 2018, 853, 3.	4.5	18
130	Spectroscopic Confirmation of Five Galaxy Clusters at zÂ>Â1.25 in the 2500 deg² SPT-SZ Survey. Astrophysical Journal, 2019, 870, 7.	4.5	18
131	Weak-lensing mass calibration of the Sunyaevâ€“Zelâ€™dovich effect using APEX-SZ galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1728-1759.	4.4	18
132	Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum from Two Years of POLARBEAR Data. Astrophysical Journal, 2020, 893, 85.	4.5	18
133	The Simons Array CMB polarization experiment. Proceedings of SPIE, 2016, , .	0.8	18
134	Feedhorn-coupled TES polarimeter camera modules at 150 GHz for CMB polarization measurements with SPTpol. Proceedings of SPIE, 2012, , .	0.8	17
135	Opticalâ€“SZE scaling relations for DES optically selected clusters within the SPT-SZ Survey. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3347-3360.	4.4	17
136	Performance and on-sky optical characterization of the SPTpol instrument. Proceedings of SPIE, 2012, , .	0.8	16
137	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
138	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. Journal of Low Temperature Physics, 2018, 193, 758-770.	1.4	16
139	Cosmological lensing ratios with DES Y1, SPT, and Planck. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1363-1379.	4.4	16
140	Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. Astrophysical Journal, 2021, 916, 98.	4.5	16
141	Mass Estimation of Galaxy Clusters with Deep Learning. I. Sunyaevâ€“Zelâ€™dovich Effect. Astrophysical Journal, 2020, 900, 110.	4.5	16
142	Constraining Cluster Virialization Mechanism and Cosmology Using Thermal-SZ-selected Clusters from Future CMB Surveys. Astrophysical Journal, 2022, 926, 172.	4.5	16
143	The POLARBEAR-2 experiment. Proceedings of SPIE, 2012, , .	0.8	15
144	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. Proceedings of SPIE, 2016, , .	0.8	15

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