

# Christian L Reichardt

## List of Publications by Year in descending order

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Version: 2024-02-01

188  
papers

13,388  
citations

15504

65  
h-index

23533

111  
g-index

190  
all docs

190  
docs citations

190  
times ranked

5518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance and characterization of the SPT-3G digital frequency-domain multiplexed readout system using an improved noise and crosstalk model. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.8	4
2	CMB/ksZ and Compton-y Maps from 2500 deg <sup>2</sup> of SPT-SZ and Planck Survey Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 36.	7.7	22
3	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. <i>Astrophysical Journal</i> , 2022, 926, 54.	4.5	79
4	The Design and Integrated Performance of SPT-3G. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 42.	7.7	29
5	Constraining Cluster Virialization Mechanism and Cosmology Using Thermal-SZ-selected Clusters from Future CMB Surveys. <i>Astrophysical Journal</i> , 2022, 926, 172.	4.5	16
6	The parameter-level performance of covariance matrix conditioning in cosmic microwave background data analyses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4394-4403.	4.4	2
7	Shocks in the stacked Sunyaev-Zel'dovich profiles of clusters II: Measurements from SPT-SZ + Planck Compton-y map. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1645-1663.	4.4	15
8	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.	4.5	7
9	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.	4.5	5
10	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
11	Exploring the contamination of the DES-Y1 cluster sample with SPT-SZ selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1253-1272.	4.4	12
12	Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. <i>Astrophysical Journal</i> , 2021, 916, 98.	4.5	16
13	Optimal Cosmic Microwave Background Lensing Reconstruction and Parameter Estimation with SPTpol Data. <i>Astrophysical Journal</i> , 2021, 922, 259.	4.5	21
14	Mass Estimation of Galaxy Clusters with Deep Learning II. Cosmic Microwave Background Cluster Lensing. <i>Astrophysical Journal</i> , 2021, 923, 96.	4.5	9
15	Constraining radio mode feedback in galaxy clusters with the cluster radio AGNs properties to $\langle z \rangle \approx 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1705-1723.	4.4	6
16	Deployment of Polarbear-2A. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1137-1147.	1.4	8
17	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
18	Results of gravitational lensing and primordial gravitational waves from the POLARBEAR experiment. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012007.	0.4	0

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19	Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum from Two Years of POLARBEAR Data. <i>Astrophysical Journal</i> , 2020, 893, 85.	4.5	18
20	Internal Delensing of Cosmic Microwave Background Polarization $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mi>B\langle /mml:mi>\langle /mml:math\rangle$ -Modes with the POLARBEAR Experiment. <i>Physical Review Letters</i> , 2020, 124, 131301.	7.8	25
21	Constraints on Cosmological Parameters from the 500 deg <sup>2</sup> SPTPOL Lensing Power Spectrum. <i>Astrophysical Journal</i> , 2020, 888, 119.	4.5	52
22	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. <i>Astrophysical Journal</i> , 2020, 897, 55.	4.5	41
23	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
24	Mass Estimation of Galaxy Clusters with Deep Learning. I. Sunyaev-Zel'dovich Effect. <i>Astrophysical Journal</i> , 2020, 900, 110.	4.5	16
25	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 25.	7.7	101
26	Suppressing the Thermal SZ-induced Variance in CMB-cluster Lensing Estimators. <i>Astrophysical Journal</i> , 2020, 888, 9.	4.5	5
27	A Measurement of the CMB E-mode Angular Power Spectrum at Subdegree Scales from 670 Square Degrees of POLARBEAR Data. <i>Astrophysical Journal</i> , 2020, 904, 65.	4.5	27
28	Extreme digitization for ground-based cosmic microwave background experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3279-3287.	4.4	0
29	Measurements of the Cross-spectra of the Cosmic Infrared and Microwave Backgrounds from 95 to 1200 GHz. <i>Astrophysical Journal</i> , 2019, 881, 96.	4.5	8
30	Fractional polarization of extragalactic sources in the 500 deg <sup>2</sup> SPTpol survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5712-5721.	4.4	20
31	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. <i>Physical Review Letters</i> , 2019, 123, 181301.	7.8	12
32	Evidence for the Cross-correlation between Cosmic Microwave Background Polarization Lensing from Polarbear and Cosmic Shear from Subaru Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2019, 882, 62.	4.5	20
33	Spectroscopic Confirmation of Five Galaxy Clusters at $z \gtrsim 1.25$ in the 2500 deg <sup>2</sup> SPT-SZ Survey. <i>Astrophysical Journal</i> , 2019, 870, 7.	4.5	18
34	X-Ray Properties of SPT-selected Galaxy Clusters at $0.2 < z < 1.5$ Observed with XMM-Newton. <i>Astrophysical Journal</i> , 2019, 871, 50.	4.5	74
35	Cosmological lensing ratios with DES Y1, SPT, and Planck. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1363-1379.	4.4	16
36	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.	4.5	211

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37	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
38	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
39	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	741
40	Galaxy populations in the most distant SPT-SZ clusters. Astronomy and Astrophysics, 2019, 622, A117.	5.1	45
41	Sunyaev-Zeldovich 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
42	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
43	Cross-correlation of CMB Polarization Lensing with High-z Submillimeter Herschel-ATLAS Galaxies. Astrophysical Journal, 2019, 886, 38.	4.5	6
44	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
45	Discovery of a Powerful $>10^{61}$ erg AGN Outburst in the Distant Galaxy Cluster SPT-CLJ0528-5300. Astrophysical Journal Letters, 2019, 887, L17.	8.3	9
46	An inpainting approach to tackle the kinematic and thermal SZ induced biases in CMB-cluster lensing estimators. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 037-037.	5.4	11
47	A Measurement of the Cosmic Microwave Background Lensing Potential and Power Spectrum from 500 $\text{deg}^2$ of SPTpol Temperature and Polarization Data. Astrophysical Journal, 2019, 884, 70.	4.5	71
48	Weak-lensing mass calibration of the Sunyaev-Zeldovich effect using APEX-SZ galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1728-1759.	4.4	18
49	A Detailed Study of the Most Relaxed SPT-selected Galaxy Clusters: Properties of the Cool Core and Central Galaxy. Astrophysical Journal, 2019, 870, 85.	4.5	10
50	Measurements of Tropospheric Ice Clouds with a Ground-based CMB Polarization Experiment, POLARBEAR. Astrophysical Journal, 2019, 870, 102.	4.5	11
51	Galaxy kinematics and mass calibration in massive SZE-selected galaxy clusters to $z < 1.3$ . Monthly Notices of the Royal Astronomical Society, 2019, 482, 1043-1061.	4.4	25
52	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
53	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
54	A Comparison of Maps and Power Spectra Determined from South Pole Telescope and Planck Data. Astrophysical Journal, 2018, 853, 3.	4.5	18

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55	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.	7.7	28
56	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. <i>Journal of Low Temperature Physics</i> , 2018, 193, 758-770.	1.4	16
57	Baryon content in a sample of 91 galaxy clusters selected by the South Pole Telescope at $0.2 < z < 1.25$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3072-3099.	4.4	70
58	SPT-3G: A Multichroic Receiver for the South Pole Telescope. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1057-1065.	1.4	27
59	Cluster mass calibration at high redshift: HST weak lensing analysis of 13 distant galaxy clusters from the South Pole Telescope Sunyaev-Zel'dovich Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2635-2678.	4.4	77
60	Dark Energy Survey Year 1 Results: A Precise H <sub>0</sub> Estimate from DES Y1, BAO, and D/H Data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3879-3888.	4.4	196
61	Constraining Gravity at Large Scales with the 2MASS Photometric Redshift Catalog and Planck Lensing. <i>Astrophysical Journal</i> , 2018, 862, 81.	4.5	15
62	Imprints of gravitational lensing in the Planck cosmic microwave background data at the location of $WlS$ galaxies. <i>Physical Review D</i> , 2018, 98, .		15
63	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.	4.5	25
64	Year two instrument status of the SPT-3G cosmic microwave background receiver. , 2018, , .		29
65	Systematic uncertainties in the Simons Observatory: optical effects and sensitivity considerations. , 2018, , .		4
66	Studies of systematic uncertainties for Simons Observatory: detector array effects. , 2018, , .		8
67	Development of calibration strategies for the Simons Observatory. , 2018, , .		4
68	POLARBEAR-2: a new CMB polarization receiver system for the Simons array (Conference Presentation). , 2018, , .		4
69	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.	1.7	16
70	Alma Observations of Massive Molecular Gas Filaments Encasing Radio Bubbles in the Phoenix Cluster. <i>Astrophysical Journal</i> , 2017, 836, 130.	4.5	79
71	Performance of a continuously rotating half-wave plate on the POLARBEAR telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 008-008.	5.4	41
72	A Measurement of the Cosmic Microwave Background B-mode Polarization Power Spectrum at Subdegree Scales from Two Years of polarbear Data. <i>Astrophysical Journal</i> , 2017, 848, 121.	4.5	83

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73	Measuring galaxy cluster masses with CMB lensing using a Maximum Likelihood estimator: statistical and systematic error budgets for future experiments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 030-030.	5.4	23
74	CMB Polarization B-mode Delensing with SPTpol and Herschel. <i>Astrophysical Journal</i> , 2017, 846, 45.	4.5	48
75	Current and Future Constraints on Primordial Magnetic Fields. <i>Astrophysical Journal</i> , 2017, 846, 164.	4.5	26
76	Optical $\alpha$ -SZE scaling relations for DES optically selected clusters within the SPT-SZ Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3347-3360.	4.4	17
77	A 2500 deg <sup>2</sup> CMB Lensing Map from Combined South Pole Telescope and Planck Data. <i>Astrophysical Journal</i> , 2017, 849, 124.	4.5	49
78	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
79	Making maps of cosmic microwave background polarization for $B$ -mode studies: the POLARBEAR example. <i>Astronomy and Astrophysics</i> , 2017, 600, A60.	5.1	11
80	MILLIMETER TRANSIENT POINT SOURCES IN THE SPTpol 100 SQUARE DEGREE SURVEY. <i>Astrophysical Journal</i> , 2016, 830, 143.	4.5	19
81	COSMOLOGICAL CONSTRAINTS FROM GALAXY CLUSTERS IN THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 95.	4.5	179
82	MAPS OF THE MAGELLANIC CLOUDS FROM COMBINED SOUTH POLE TELESCOPE AND PLANCK DATA. <i>Astrophysical Journal</i> , Supplement Series, 2016, 227, 23.	7.7	10
83	Large arrays of dual-polarized multichroic TES detectors for CMB measurements with the SPT-3G receiver. , 2016, , .		9
84	SPT-GMOS: A GEMINI/GMOS-SOUTH SPECTROSCOPIC SURVEY OF GALAXY CLUSTERS IN THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2016, 227, 3.	7.7	36
85	Cross-correlation of gravitational lensing from DES Science Verification data with SPT and Planck lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 21-34.	4.4	46
86	STAR-FORMING BRIGHTEST CLUSTER GALAXIES AT 0.25 $\leq z \leq 1.25$ : A TRANSITIONING FUEL SUPPLY. <i>Astrophysical Journal</i> , 2016, 817, 86.	4.5	70
87	THE EVOLUTION OF THE INTRACLUSTER MEDIUM METALLICITY IN SUNYAEV ZEL'DOVICH-SELECTED GALAXY CLUSTERS AT 0 $\leq z \leq 1.5$ . <i>Astrophysical Journal</i> , 2016, 826, 124.	4.5	63
88	Detection of the kinematic Sunyaev-Zel'dovich effect with DES Year 1 and SPT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3172-3193.	4.4	88
89	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. <i>Proceedings of SPIE</i> , 2016, , .	0.8	15
90	The South Pole Telescope: Unraveling the Mystery of Dark Energy. <i>International Journal of Modern Physics Conference Series</i> , 2016, 43, 1660189.	0.7	0

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91	Galaxy cluster scaling relations measured with APEX-SZ. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3432-3446.	4.4	10
92	Baryon content of massive galaxy clusters at $0.57 < z < i > \hat{\wedge} 1.33$ . Monthly Notices of the Royal Astronomical Society, 2016, 455, 258-275.	4.4	54
93	Probing star formation in the dense environments of $z \hat{\wedge} 1$ lensing haloes aligned with dusty star-forming galaxies detected with the South Pole Telescope. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1629-1646.	4.4	15
94	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
95	CMB lensing tomography with the DES Science Verification galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3213-3244.	4.4	95
96	Observing the Epoch of Reionization with the Cosmic Microwave Background. Astrophysics and Space Science Library, 2016, , 227-245.	2.7	3
97	POLARBEAR-2: an instrument for CMB polarization measurements. Proceedings of SPIE, 2016, , .	0.8	31
98	The Simons Array CMB polarization experiment. Proceedings of SPIE, 2016, , .	0.8	18
99	POLARBEAR constraints on cosmic birefringence and primordial magnetic fields. Physical Review D, 2015, 92, .	4.7	78
100	MODELING ATMOSPHERIC EMISSION FOR CMB GROUND-BASED OBSERVATIONS. Astrophysical Journal, 2015, 809, 63.	4.5	27
101	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
102	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
103	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
104	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES FROM THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, 2015, 799, 177.	4.5	183
105	MEASUREMENT OF GALAXY CLUSTER INTEGRATED COMPTONIZATION AND MASS SCALING RELATIONS WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2015, 799, 137.	4.5	7
106	MASS CALIBRATION AND COSMOLOGICAL ANALYSIS OF THE SPT-SZ GALAXY CLUSTER SAMPLE USING VELOCITY DISPERSION $\hat{f} < sub > < i > v < / sub >$ AND X-RAY $< i > Y < / sub > X < / sub >$ MEASUREMENTS. Astrophysical Journal, 2015, 799, 214.	4.5	120
107	Low Loss Superconducting Microstrip Development at Argonne National Lab. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	8
108	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

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109	MEASUREMENTS OF SUB-DEGREE $l$ -MODE POLARIZATION IN THE COSMIC MICROWAVE BACKGROUND FROM 100 SQUARE DEGREES OF SPTPOL DATA. <i>Astrophysical Journal</i> , 2015, 807, 151.	4.5	117
110	The nature of the [C <sup>ii</sup> ] emission in dusty star-forming galaxies from the SPT survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2883-2900.	4.4	119
111	X-RAY CAVITIES IN A SAMPLE OF 83 SPT-SELECTED CLUSTERS OF GALAXIES: TRACING THE EVOLUTION OF AGN FEEDBACK IN CLUSTERS OF GALAXIES OUT TO $z = 1.2$ . <i>Astrophysical Journal</i> , 2015, 805, 35.	4.5	115
112	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
113	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
114	POLARBEAR CMB Polarization Experiment. , 2014, , .		1
115	The Simons Array: expanding POLARBEAR to three multi-chroic telescopes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	25
116	Thermal and optical characterization for POLARBEAR-2 optical system. , 2014, , .		3
117	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
118	OPTICAL SPECTROSCOPY AND VELOCITY DISPERSIONS OF GALAXY CLUSTERS FROM THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 792, 45.	4.5	103
119	Development and characterization of the readout system for POLARBEAR-2. , 2014, , .		3
120	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
121	A MEASUREMENT OF THE SECONDARY-CMB AND MILLIMETER-WAVE-FOREGROUND BISPECTRUM USING 800 $\text{deg}^2$ OF SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2014, 784, 143.	4.5	49
122	The POLARBEAR Cosmic Microwave Background Polarization Experiment. <i>Journal of Low Temperature Physics</i> , 2014, 176, 726-732.	1.4	3
123	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
124	CONSTRAINTS ON COSMOLOGY FROM THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM OF THE 2500 $\text{deg}^2$ SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2014, 782, 74.	4.5	189
125	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND $l$ -MODE POLARIZATION POWER SPECTRUM AT SUB-DEGREE SCALES WITH POLARBEAR. <i>Astrophysical Journal</i> , 2014, 794, 171.	4.5	233
126	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



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127	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
128	THE REST-FRAME SUBMILLIMETER SPECTRUM OF HIGH-REDSHIFT, DUSTY, STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014, 785, 149.	4.5	105
129	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
130	AN <i>HST</i> /WFC3-UVIS VIEW OF THE STARBURST IN THE COOL CORE OF THE PHOENIX CLUSTER. <i>Astrophysical Journal Letters</i> , 2013, 765, L37.	8.3	52
131	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
132	Dusty starburst galaxies in the early Universe as revealed by gravitational lensing. <i>Nature</i> , 2013, 495, 344-347.	27.8	255
133	Large gas reservoirs and free-free emission in two lensed star-forming galaxies at $z \approx 2.7$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 498-505.	4.4	33
134	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
135	EXTRAGALACTIC MILLIMETER-WAVE POINT-SOURCE CATALOG, NUMBER COUNTS AND STATISTICS FROM $771 \text{ deg}^2$ OF THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 779, 61.	4.5	115
136	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
137	A DIRECT MEASUREMENT OF THE LINEAR BIAS OF MID-INFRARED-SELECTED QUASARS AT $z \approx 1$ USING COSMIC MICROWAVE BACKGROUND LENSING. <i>Astrophysical Journal Letters</i> , 2013, 776, L41.	8.3	52
138	ALMA OBSERVATIONS OF SPT-DISCOVERED, STRONGLY LENSED, DUSTY, STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 767, 132.	4.5	109
139	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND DAMPING TAIL FROM THE $2500\text{-SQUARE-DEGREE}$ SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013, 779, 86.	4.5	240
140	How massless neutrinos affect the cosmic microwave background damping tail. <i>Physical Review D</i> , 2013, 87, .	4.7	186
141	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
142	SPT-CL J0205 $\hat{e}$ 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
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