John Carlstrom

List of Publications by Citations

Source: https://exaly.com/author-pdf/3374689/john-carlstrom-publications-by-citations.pdf

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

126
papers9,874
citations44
h-index98
g-index132
ext. papers12,980
ext. citations6.3
avg, IF4.59
L-index

#	Paper	IF	Citations
126	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L1	7.9	1110
125	Cosmology with the Sunyaev-Zelflovich Effect. <i>Annual Review of Astronomy and Astrophysics</i> , 2002 , 40, 643-680	31.7	646
124	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L6	7.9	466
123	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429
122	The 10 Meter South Pole Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2011 , 123, 568-581	5	412
121	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
120	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	4.7	404
119	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	8	379
118	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
117	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
116	GALAXY CLUSTERS SELECTED WITH THE SUNYAEV-ZEL'DOVICH EFFECT FROM 2008 SOUTH POLE TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2010 , 722, 1180-1196	4.7	265
115	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	4.7	218
114	GALAXY CLUSTERS DISCOVERED WITH A SUNYAEV-ZEL'DOVICH EFFECT SURVEY. <i>Astrophysical Journal</i> , 2009 , 701, 32-41	4.7	216
113	Dusty starburst galaxies in the early Universe as revealed by gravitational lensing. <i>Nature</i> , 2013 , 495, 344-7	50.4	215
112	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND DAMPING TAIL FROM THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013 , 779, 86	4.7	214
111	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	4.7	197
110	SPT-3G: a next-generation cosmic microwave background polarization experiment on the South Pole telescope 2014 ,		192

(2000-2016)

109	DETECTION OF LENSING SUBSTRUCTURE USING ALMA OBSERVATIONS OF THE DUSTY GALAXY SDP.81. <i>Astrophysical Journal</i> , 2016 , 823, 37	4.7	166
108	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES FROM THE 2500 SQUARE-DEGREE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2015 , 799, 177	4.7	152
107	Cluster Cosmology Constraints from the 2500 deg2 SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019 , 878, 55	4.7	125
106	ALMA IMAGING AND GRAVITATIONAL LENS MODELS OF SOUTH POLE TELESCOPEBELECTED DUSTY, STAR-FORMING GALAXIES AT HIGH REDSHIFTS. <i>Astrophysical Journal</i> , 2016 , 826, 112	4.7	124
105	Galaxy growth in a massive halo in the first billion years of cosmic history. <i>Nature</i> , 2018 , 553, 51-54	50.4	121
104	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	4.7	119
103	SUNYAEV-ZEL D OVICH CLUSTER PROFILES MEASURED WITH THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2010 , 716, 1118-1135	4.7	106
102	EXTRAGALACTIC MILLIMETER-WAVE POINT-SOURCE CATALOG, NUMBER COUNTS AND STATISTICS FROM 771 deg2OF THE SPT-SZ SURVEY. <i>Astrophysical Journal</i> , 2013 , 779, 61	4.7	101
101	DISCOVERY AND COSMOLOGICAL IMPLICATIONS OF SPT-CL J2106-5844, THE MOST MASSIVE KNOWN CLUSTER AT z>1. Astrophysical Journal, 2011 , 731, 86	4.7	100
100	Frequency multiplexed superconducting quantum interference device readout of large bolometer arrays for cosmic microwave background measurements. <i>Review of Scientific Instruments</i> , 2012 , 83, 073	143	92
99	THE REDSHIFT DISTRIBUTION OF DUSTY STAR-FORMING GALAXIES FROM THE SPT SURVEY. <i>Astrophysical Journal</i> , 2016 , 822, 80	4.7	92
98	ISM Properties of a Massive Dusty Star-forming Galaxy Discovered at z ~ 7. <i>Astrophysical Journal Letters</i> , 2017 , 842, L15	7.9	84
97	SPTpol: an instrument for CMB polarization measurements with the South Pole Telescope 2012,		82
96	IMPROVED CONSTRAINTS ON COSMIC MICROWAVE BACKGROUND SECONDARY ANISOTROPIES FROM THE COMPLETE 2008 SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2011 , 736, 61	4.7	81
95	A massive core for a cluster of galaxies at a redshift of 4.3. <i>Nature</i> , 2018 , 556, 469-472	50.4	78
94	THE FIRST PUBLIC RELEASE OF SOUTH POLE TELESCOPE DATA: MAPS OF A 95 deg2FIELD FROM 2008 OBSERVATIONS. <i>Astrophysical Journal</i> , 2011 , 743, 90	4.7	75
93	Observations of High-Redshift X-Ray Selected Clusters with the Sunyaev-Zelflovich Array. <i>Astrophysical Journal</i> , 2007 , 663, 708-716	4.7	75
92	Sunyaev-Zeldovich Effectderived Distances to the High-Redshift Clusters MS 0451.60305 and Cl 0016+16. <i>Astrophysical Journal</i> , 2000 , 533, 38-49	4.7	74

91	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020 , 125, 141104	7.4	74
90	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021 , 910, L13	7.9	70
89	Detection of the kinematic Sunyaev del'dovich effect with DES Year 1 and SPT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 3172-3193	4.3	68
88	A COSMIC MICROWAVE BACKGROUND LENSING MASS MAP AND ITS CORRELATION WITH THE COSMIC INFRARED BACKGROUND. <i>Astrophysical Journal Letters</i> , 2013 , 771, L16	7.9	63
87	Alma Observations of Massive Molecular Gas Filaments Encasing Radio Bubbles in the Phoenix Cluster. <i>Astrophysical Journal</i> , 2017 , 836, 130	4.7	61
86	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
85	The SPTpol Extended Cluster Survey. Astrophysical Journal, Supplement Series, 2020, 247, 25	8	56
84	South Pole Telescope optics. <i>Applied Optics</i> , 2008 , 47, 4418-28	0.2	53
83	DEEPCHANDRA,HST-COS, AND MEGACAM OBSERVATIONS OF THE PHOENIX CLUSTER: EXTREME STAR FORMATION AND AGN FEEDBACK ON HUNDRED KILOPARSEC SCALES. <i>Astrophysical Journal</i> , 2015 , 811, 111	4.7	52
82	A MEASUREMENT OF THE SECONDARY-CMB AND MILLIMETER-WAVE-FOREGROUND BISPECTRUM USING 800 deg2OF SOUTH POLE TELESCOPE DATA. <i>Astrophysical Journal</i> , 2014 , 784, 143	4.7	41
81	The Sunyaev-Zeldovich Effect in Abell 370. Astrophysical Journal, 2000, 539, 39-51	4.7	40
80	Markov Chain Monte Carlo Joint Analysis of ChandraX-Ray Imaging Spectroscopy and Sunyaev-Zel'dovich Effect Data. <i>Astrophysical Journal</i> , 2004 , 614, 56-63	4.7	39
79	A Measurement of the Cosmic Microwave Background Lensing Potential and Power Spectrum from 500 deg2 of SPTpol Temperature and Polarization Data. <i>Astrophysical Journal</i> , 2019 , 884, 70	4.7	36
78	THE XXL SURVEY. V. DETECTION OF THE SUNYAEV-ZEL'DOVICH EFFECT OF THE REDSHIFT 1.9 GALAXY CLUSTER XLSSU J021744.1034536 WITH CARMA. <i>Astrophysical Journal</i> , 2014 , 794, 157	4.7	34
77	THE MASSIVE AND DISTANT CLUSTERS OFWISESURVEY. III. SUNYAEVØELDOVICH MASSES OF GALAXY CLUSTERS ATz~ 1. <i>Astrophysical Journal</i> , 2015 , 806, 26	4.7	29
76	Constraints on Cosmological Parameters from the 500 deg2 SPTPOL Lensing Power Spectrum. <i>Astrophysical Journal</i> , 2020 , 888, 119	4.7	29
75	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
74	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	3.1	27

(2022-2013)

73	CARMA MEASUREMENTS OF THE SUNYAEV-ZEL'DOVICH EFFECT IN RX J1347.5¶145. <i>Astrophysical Journal</i> , 2013 , 770, 112	4.7	27
72	Galaxy Clusters Selected via the Sunyaev Z eldovich Effect in the SPTpol 100-square-degree Survey. <i>Astronomical Journal</i> , 2020 , 159, 110	4.9	26
71	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
70	Detection of anti-correlation of hot and cold baryons in galaxy clusters. <i>Nature Communications</i> , 2019 , 10, 2504	17.4	24
69	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A2	5.1	24
68	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022 , 930, L12	7.9	23
67	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. <i>Astrophysical Journal</i> , 2019 , 872, 170	4.7	21
66	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020 , 640, A69	5.1	21
65	Millimeter-wave Point Sources from the 2500 Square Degree SPT-SZ Survey: Catalog and Population Statistics. <i>Astrophysical Journal</i> , 2020 , 900, 55	4.7	21
64	Monitoring the Morphology of M87* in 2009\(\mathbb{Q}\)017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
63	Maps of the Southern Millimeter-wave Sky from Combined 2500 deg 2 SPT-SZ and Planck Temperature Data. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 239, 10	8	20
62	SPT-3G: A Multichroic Receiver for the South Pole Telescope. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1057-1065	1.3	20
61	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L14	7.9	20
60	Year two instrument status of the SPT-3G cosmic microwave background receiver 2018,		19
59	Galaxy kinematics and mass calibration in massive SZE-selected galaxy clusters toz □1.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 1043-1061	4.3	19
58	A Comparison of Maps and Power Spectra Determined from South Pole Telescope andPlanckData. <i>Astrophysical Journal</i> , 2018 , 853, 3	4.7	18
57	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L16	7.9	18
56	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022 , 930, L13	7.9	16

55	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022 , 930, L15	7.9	16
54	Constraints on the Thermal Contents of the X-Ray Cavities of Cluster MS 0735.6+7421 with Sunyaev Zeldovich Effect Observations. <i>Astrophysical Journal</i> , 2019 , 871, 195	4.7	15
53	Analysis of SunyaevZel'dovich effect massBbservable 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	4.3	15
52	An Improved Measurement of the Secondary Cosmic Microwave Background Anisotropies from the SPT-SZ + SPTpol Surveys. <i>Astrophysical Journal</i> , 2021 , 908, 199	4.7	15
51	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	1.8	14
50	Fractional polarization of extragalactic sources in the 500 deg2 SPTpol survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 5712-5721	4.3	14
49	Optical Characterization of the SPT-3G Camera. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 305-313	1.3	14
48	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14
47	MILLIMETER TRANSIENT POINT SOURCES IN THE SPTpol 100 SQUARE DEGREE SURVEY. Astrophysical Journal, 2016 , 830, 143	4.7	13
46	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver 2016 ,		13
45	Probing star formation in the dense environments of z ~ 1 lensing haloes aligned with dusty star-forming galaxies detected with the South Pole Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 1629-1646	4.3	13
44	Feedhorn-Coupled TES Polarimeters for Next-Generation CMB Instruments 2009,		13
43	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13
42	Tuning SPT-3G Transition-Edge-Sensor Electrical Properties with a Four-Layer TiAuIIiAu Thin-Film Stack. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 695-702	1.3	12
41	Fabrication of Detector Arrays for the SPT-3G Receiver. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 703-711	1.3	12
40	Performance and on-sky optical characterization of the SPTpol instrument 2012 ,		12
39	Design and Assembly of SPT-3G Cold Readout Hardware. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 547-555	1.3	12
38	Cosmological lensing ratios with DES Y1, SPT, and Planck. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 1363-1379	4.3	11

(2015-2022)

Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022 , 930, L19	7.9	11
Planar Orthomode Transducers for Feedhorn-coupled TES Polarimeters 2009,		9
Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022 , 930, L21	7.9	9
Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. <i>Physical Review Letters</i> , 2019 , 123, 181301	7.4	8
A Study of AlMn Transition Edge Sensor Engineering for Stability. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 383-391	1.3	8
South Pole Telescope software systems: control, monitoring, and data acquisition 2012,		8
On-Sky Performance of the SPT-3G Frequency-Domain Multiplexed Readout. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 182-191	1.3	8
MAPS OF THE MAGELLANIC CLOUDS FROM COMBINED SOUTH POLE TELESCOPE AND PLANCK DATA. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 227, 23	8	8
A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022 , 930, L20	7.9	8
Design and characterization of the SPT-3G receiver 2018 ,		7
Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18	7.9	7
Progress on ANL/KICP Bolometers for SPTpol. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 184-187	1.8	6
Optical properties of Feedhorn-coupled TES polarimeters for CMB polarimetry 2009,		5
Performance of AlMn Transition-Edge Sensor Bolometers in SPT-3G. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 320-329	1.3	5
Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1085-1093	1.3	5
Thermal Links and Microstrip Transmission Lines in SPT-3G Bolometers. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 712-719	1.3	5
Detection of Galactic and Extragalactic Millimeter-wavelength Transient Sources with SPT-3G. <i>Astrophysical Journal</i> , 2021 , 916, 98	4.7	5
Mo/Au Bilayer TES Resistive Transition Engineering. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	4
	Planar Orthomode Transducers for Feedhorn-coupled TES Polarimeters 2009, Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21 Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. Physical Review Letters, 2019, 123, 181301 A Study of AllMn Transition Edge Sensor Engineering for Stability. Journal of Low Temperature Physics, 2014, 176, 383-391 South Pole Telescope software systems: control, monitoring, and data acquisition 2012, On-Sky Performance of the SPT-3G Frequency-Domain Multiplexed Readout. Journal of Low Temperature Physics, 2020, 199, 182-191 MAPS OF THE MAGELLANIC CLOUDS FROM COMBINED SOUTH POLE TELESCOPE AND PLANCK DATA. Astrophysical Journal, Supplement Series, 2016, 227, 23 A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20 Design and characterization of the SPT-3G receiver 2018, Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18 Progress on ANL/KICP Bolometers for SPTpol. IEEE Transactions on Applied Superconductivity, 2011, 21, 184-187 Optical properties of Feedhorn-coupled TES polarimeters for CMB polarimetry 2009, Performance of AlBin Transition-Edge Sensor Bolometers in SPT-3G. Journal of Low Temperature Physics, 2020, 199, 320-329 Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane. Journal of Low Temperature Physics, 2020, 199, 320-329 Design and Bolometer Characterization of the SPT-3G Bolometers. Journal of Low Temperature Physics, 2018, 193, 1085-1093 Thermal Links and Microstrip Transmission Lines in SPT-3G Bolometers. Journal of Low Temperature Physics, 2018, 193, 196, 98 Mo/Au Bilayer TES Resistive Transition Engineering. IEEE Transactions on Applied Superconductivity,	Planar Orthomode Transducers for Feedhorn-coupled TES Polarimeters 2009, Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21 Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. Physical Review Letters, 2019, 123, 181301 A Study of AlBin Transition Edge Sensor Engineering for Stability. Journal of Low Temperature Physics, 2014, 176, 383-391 South Pole Telescope software systems: control, monitoring, and data acquisition 2012, On-Sky Performance of the SPT-3G Frequency-Domain Multiplexed Readout. Journal of Low Temperature Physics, 2020, 199, 182-191 MAPS OF THE MAGELLANIC CLOUDS FROM COMBINED SOUTH POLE TELESCOPE AND PLANCK DATA. Astrophysical Journal. Supplement Series, 2016, 227, 23 A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20 Design and characterization of the SPT-3G receiver 2018, Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18 Progress on ANL/KICP Bolometers for SPTpol. IEEE Transactions on Applied Superconductivity, 2011, 21, 184-187 Optical properties of Feedhorn-coupled TES polarimeters for CMB polarimetry 2009, Performance of AlBin Transition-Edge Sensor Bolometers in SPT-3G. Journal of Low Temperature Physics, 2020, 199, 320-329 Design and Bolometer Characterization of the SPT-3G First-Year Focal Plane. Journal of Low Temperature Physics, 2018, 193, 1085-1093 Thermal Links and Microstrip Transmission Lines in SPT-3G Bolometers. Journal of Low Temperature Physics, 2018, 193, 1085-1093 MojAu Bilayer TES Resistive Transition Engineering. IEEE Transactions on Applied Superconductivity, 2014, 20

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	4.7	4
18	Low temperature thermal transport in partially perforated silicon nitride membranes. <i>Applied Physics Letters</i> , 2009 , 94, 183504	3.4	4
17	The Design and Integrated Performance of SPT-3G. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 42	8	4
16	Characterization and performance of the second-year SPT-3G focal plane 2018,		4
15	Low Loss Superconducting Microstrip Development at Argonne National Lab. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	3
14	Control of Membrane Thermal Transport Supporting Superconducting Detector Development. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 489-492	1.8	3
13	Characterizing and Modeling the Noise and Complex Impedance of Feedhorn-Coupled TES Polarimeters 2009 ,		3
12	Design and Fabrication of Absorber Coupled TES Microbolometers on Continuous Silicon-Nitride Windows. <i>Journal of Low Temperature Physics</i> , 2008 , 151, 245-248	1.3	3
11	Sunyaev-Zeldovich effect in galaxy clusters 1999 ,		3
10	CMB/kSZ and Compton-y Maps from 2500 deg2 of SPT-SZ and Planck Survey Data. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 36	8	3
9	Optimal Cosmic Microwave Background Lensing Reconstruction and Parameter Estimation with SPTpol Data. <i>Astrophysical Journal</i> , 2021 , 922, 259	4.7	3
8	Imaging the SunyaevÆel'dovich Effect 2001 ,		3
7	Impact of Electrical Contacts Design and Materials on the Stability of Ti Superconducting Transition Shape. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 732-738	1.3	3
6	SPT-SLIM: A Line Intensity Mapping Pathfinder for the South Pole Telescope. <i>Journal of Low Temperature Physics</i> ,1	1.3	3
5	Design and Fabrication of Argonne/KICP Detectors for CMB Polarization 2009,		2
4	Measurements of Bolometer Uniformity for Feedhorn Coupled TES Polarimeters 2009,		2
3	Broadband, millimeter-wave antireflection coatings for large-format, cryogenic aluminum oxide optics. <i>Applied Optics</i> , 2020 , 59, 3285-3295	1.7	2
2			

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^{4.7}

О