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List of Publications by Year
in descending order

167 papers	4,970 citations	126708 33 h-index	106150 65 g-index
169 all docs	169 docs citations	169 times ranked	4360 citing authors

#	Article	IF	Citations
1	SCUBA-2: the 10 000 pixel bolometer camera on the James Clerk Maxwell Telescope. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2513-2533.	1.6	435
2	A Measurement of the Angular Power Spectrum of the Cosmic Microwave Background from [CLC] [ITAL]l[/ITAL] [/CLC] = 100 to 400. Astrophysical Journal, 1999, 524, L1-L4.	1.6	338
3	THE ATACAMA COSMOLOGY TELESCOPE: COSMOLOGICAL PARAMETERS FROM THE 2008 POWER SPECTRUM. Astrophysical Journal, 2011, 739, 52.	1.6	329
4	THE ATACAMA COSMOLOGY TELESCOPE: SUNYAEV-ZEL'DOVICH-SELECTED GALAXY CLUSTERS AT 148 GHz IN THE 2008 SURVEY. Astrophysical Journal, 2011, 737, 61.	1.6	234
5	The Atacama Cosmology Telescope: cosmological parameters from three seasons of data. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 060-060.	1.9	215
6	OVERVIEW OF THE ATACAMA COSMOLOGY TELESCOPE: RECEIVER, INSTRUMENTATION, AND TELESCOPE SYSTEMS. Astrophysical Journal, Supplement Series, 2011, 194, 41.	3.0	180
7	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM AT 148 AND 218 GHz FROM THE 2008 SOUTHERN SURVEY. Astrophysical Journal, 2011, 729, 62.	1.6	144
8	THE ATACAMA COSMOLOGY TELESCOPE: COSMOLOGY FROM GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT. Astrophysical Journal, 2011, 732, 44.	1.6	140
9	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE 600 < â„“ < 8000 COSMIC MICROWAVE BACKGROUND POWER SPECTRUM AT 148 GHz. Astrophysical Journal, 2010, 722, 1148-1161.	1.6	107
10	Developments in Time-Division Multiplexing of X-ray Transition-Edge Sensors. Journal of Low Temperature Physics, 2016, 184, 389-395.	0.6	103
11	Characterization and reduction of unexplained noise in superconducting transition-edge sensors. Applied Physics Letters, 2004, 84, 4206-4208.	1.5	101
12	A practical superconducting-microcalorimeter X-ray spectrometer for beamline and laboratory science. Review of Scientific Instruments, 2017, 88, 053108.	0.6	96
13	A Measurement of the Angular Power Spectrum of the Microwave Background Made from the High Chilean Andes. Astrophysical Journal, 1999, 521, L79-L82.	1.6	83
14	THE ATACAMA COSMOLOGY TELESCOPE (ACT): BEAM PROFILES AND FIRST SZ CLUSTER MAPS. Astrophysical Journal, Supplement Series, 2010, 191, 423-438.	3.0	79
15	A high resolution gamma-ray spectrometer based on superconducting microcalorimeters. Review of Scientific Instruments, 2012, 83, 093113.	0.6	77
16	THE ATACAMA COSMOLOGY TELESCOPE: EXTRAGALACTIC SOURCES AT 148 GHz IN THE 2008 SURVEY. Astrophysical Journal, 2011, 731, 100.	1.6	75
17	THE ATACAMA COSMOLOGY TELESCOPE: DATA CHARACTERIZATION AND MAPMAKING. Astrophysical Journal, 2013, 762, 10.	1.6	70
18	Optimized transition-edge x-ray microcalorimeter with 2.4eV energy resolution at 5.9keV. Applied Physics Letters, 2005, 87, 194103.	1.5	65

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19	The Practice of Pulse Processing. Journal of Low Temperature Physics, 2016, 184, 374-381.	0.6	65
20	High-resolution X-ray emission spectroscopy with transition-edge sensors: present performance and future potential. Journal of Synchrotron Radiation, 2015, 22, 766-775.	1.0	59
21	14-pixel, multiplexed array of gamma-ray microcalorimeters with 47eV energy resolution at 103keV. Applied Physics Letters, 2007, 90, 193508.	1.5	58
22	Surface-to-Bulk Redox Coupling through Thermally Driven Li Redistribution in Li- and Mn-Rich Layered Cathode Materials. Journal of the American Chemical Society, 2019, 141, 12079-12086.	6.6	47
23	Code-division multiplexing of superconducting transition-edge sensor arrays. Superconductor Science and Technology, 2010, 23, 034004.	1.8	45
24	Array-compatible transition-edge sensor microcalorimeter Î³-ray detector with 42eV energy resolution at 103keV. Applied Physics Letters, 2006, 89, 124101.	1.5	43
25	In-focal-plane SQUID multiplexer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 544-547.	0.7	41
26	Table-Top Ultrafast X-Ray Microcalorimeter Spectrometry for Molecular Structure. Physical Review Letters, 2013, 110, 138302.	2.9	40
27	Soft X-ray spectroscopy with transition-edge sensors at Stanford Synchrotron Radiation Lightsource beamline 10-1. Review of Scientific Instruments, 2019, 90, 113101.	0.6	40
28	Code-division-multiplexed readout of large arrays of TES microcalorimeters. Applied Physics Letters, 2016, 109, .	1.5	38
29	Code-division SQUID multiplexing. Applied Physics Letters, 2010, 96, .	1.5	35
30	Ultrafast Time-Resolved X-ray Absorption Spectroscopy of Ferrioxalate Photolysis with a Laser Plasma X-ray Source and Microcalorimeter Array. Journal of Physical Chemistry Letters, 2017, 8, 1099-1104.	2.1	35
31	A reassessment of absolute energies of the x-ray L lines of lanthanide metals. Metrologia, 2017, 54, 494-511.	0.6	35
32	The QMAP and MAT/TOCO Experiments for Measuring Anisotropy in the Cosmic Microwave Background. Astrophysical Journal, Supplement Series, 2002, 140, 115-141.	3.0	34
33	THE ATACAMA COSMOLOGY TELESCOPE: CALIBRATION WITH THEWILKINSON MICROWAVE ANISOTROPY PROBEUSING CROSS-CORRELATIONS. Astrophysical Journal, 2011, 740, 86.	1.6	34
34	A Kilopixel Array of TES Bolometers for ACT: Development, Testing, andÂFirstÂLight. Journal of Low Temperature Physics, 2008, 151, 690-696.	0.6	33
35	Large-Area Microcalorimeter Detectors for Ultra-High-Resolution X-Ray and Gamma-Ray Spectroscopy. IEEE Transactions on Nuclear Science, 2009, 56, 2299-2302.	1.2	33
36	Eliminating the non-Gaussian spectral response of X-ray absorbers for transition-edge sensors. Applied Physics Letters, 2017, 111, .	1.5	33

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37	Progress toward kilopixel arrays: 3.8eV microcalorimeter resolution in 8-channel SQUID multiplexer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 808-810.	0.7	32
38	MICROCALORIMETER SPECTROSCOPY AT HIGH PULSE RATES: A MULTI-PULSE FITTING TECHNIQUE. Astrophysical Journal, Supplement Series, 2015, 219, 35.	3.0	32
39	Transition-edge sensor pixel parameter design of the microcalorimeter array for the x-ray integral field unit on Athena. Proceedings of SPIE, 2016, , .	0.8	32
40	Absolute Energy Calibration of X-ray TESs with 0.04 eV Uncertainty at 6.4 keV in a Hadron-Beam Environment. Journal of Low Temperature Physics, 2016, 184, 930-937.	0.6	32
41	Demonstration of Athena X-IFU Compatible 40-Row Time-Division-Multiplexed Readout. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	32
42	Transition-Edge Sensor Microcalorimeters for X-ray Beamline Science. Synchrotron Radiation News, 2014, 27, 24-27.	0.2	30
43	Advanced Code-Division Multiplexers for Superconducting Detector Arrays. Journal of Low Temperature Physics, 2012, 167, 588-594.	0.6	28
44	Code-division multiplexing for x-ray microcalorimeters. Applied Physics Letters, 2012, 100, .	1.5	27
45	First application of superconducting transition-edge sensor microcalorimeters to hadronic atom X-ray spectroscopy. Progress of Theoretical and Experimental Physics, 2016, 2016, 091D01.	1.8	27
46	The EBIT Calorimeter Spectrometer: AÂNew,ÂPermanent User Facility at the LLNL EBIT. Journal of Low Temperature Physics, 2008, 151, 1061-1066.	0.6	25
47	Superconducting transition edge sensor using dilute AlMn alloys. Applied Physics Letters, 2004, 85, 2137-2139.	1.5	24
48	L-edge spectroscopy of dilute, radiation-sensitive systems using a transition-edge-sensor array. Journal of Chemical Physics, 2017, 147, 214201.	1.2	24
49	Multiplexed readout of uniform arrays of TES x-ray microcalorimeters suitable for Constellation-X. Proceedings of SPIE, 2008, , .	0.8	23
50	Ultrafast Time-Resolved Hard X-Ray Emission Spectroscopy on a Tabletop. Physical Review X, 2016, 6, .	2.8	23
51	A transition-edge sensor-based x-ray spectrometer for the study of highly charged ions at the National Institute of Standards and Technology electron beam ion trap. Review of Scientific Instruments, 2019, 90, 123107.	0.6	23
52	Optimal filtering, record length, and count rate in transition-edge-sensor microcalorimeters. AIP Conference Proceedings, 2009, , .	0.3	22
53	Performance of a Broad-Band, High-Resolution, Transition-Edge Sensor Spectrometer for X-ray Astrophysics. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.1	22
54	Time-division multiplexing of high-resolution x-ray microcalorimeters: Four pixels and beyond. Applied Physics Letters, 2004, 85, 4762-4764.	1.5	21

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55	TES X-ray Spectrometer at SLAC LCLS-II. Journal of Low Temperature Physics, 2018, 193, 1287-1297.	0.6	21
56	Broadband Ultrahigh-Resolution Spectroscopy of Particle-Induced X Rays: Extending the Limits of Nondestructive Analysis. Physical Review Applied, 2016, 6, .	1.5	20
57	Chemical control of competing electron transfer pathways in iron tetracyano-polypyridyl photosensitizers. Chemical Science, 2020, 11, 4360-4373.	3.7	20
58	Note: Operation of gamma-ray microcalorimeters at elevated count rates using filters with constraints. Review of Scientific Instruments, 2013, 84, 056107.	0.6	19
59	Deexcitation Dynamics of Muonic Atoms Revealed by High-Precision Spectroscopy of Electronic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math> X Rays. Physical Review Letters, 2021, 127, 053001.	2.9	19
60	Transition-Edge Sensors for Particle Induced X-ray Emission Measurements. Journal of Low Temperature Physics, 2014, 176, 285-290.	0.6	18
61	Suppression of excess noise in Transition-Edge Sensors using magnetic field and geometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 333-335.	0.7	17
62	Determination of Plutonium Isotopic Content by Microcalorimeter Gamma-Ray Spectroscopy. IEEE Transactions on Nuclear Science, 2013, 60, 681-688.	1.2	17
63	Testing and assembly of the detectors for the Millimeter Bolometer Array Camera on ACT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 551-553.	0.7	16
64	Electrical and optical measurements on the first SCUBA-2 prototype 1280pixel submillimeter superconducting bolometer array. Review of Scientific Instruments, 2007, 78, 024502.	0.6	16
65	Automated SQUID tuning procedure for kilo-pixel arrays of TES bolometers on the Atacama Cosmology Telescope. , 2008, , .		16
66	Dependence of Excess Noise on the Partial Derivatives of Resistance in Superconducting Transition Edge Sensors. AIP Conference Proceedings, 2009, , .	0.3	16
67	Superconducting absorbers for use in ultra-high resolution gamma-ray spectrometers based on low temperature microcalorimeter arrays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 169-172.	0.7	15
68	Microcalorimeter arrays for ultra-high energy resolution X- and gamma-ray detection. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 227-232.	0.7	15
69	256-pixel microcalorimeter array for high-resolution Î³-ray spectroscopy of mixed-actinide materials. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 770, 203-210.	0.7	14
70	Broadband high-energy resolution hard x-ray spectroscopy using transition edge sensors at SPring-8. Review of Scientific Instruments, 2021, 92, 013103.	0.6	14
71	A TDMA Hybrid SQUID Multiplexer. Journal of Low Temperature Physics, 2008, 151, 927-933.	0.6	13
72	Characterization of transition edge sensors for the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. , 2008, , .		13

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73	Electronics for a Next-Generation SQUID-Based Time-Domain Multiplexing System. AIP Conference Proceedings, 2009, , .	0.3	13
74	Large microcalorimeter arrays for high-resolution X- and gamma-rayspectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 302-305.	0.7	13
75	Beamline Test of a Transition-Edge-Sensor Spectrometer in Preparation for Kaonic-Atom Measurements. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	13
76	X-ray Spectroscopy of Muonic Atoms Isolated in Vacuum with Transition Edge Sensors. Journal of Low Temperature Physics, 2020, 200, 445-451.	0.6	13
77	Generic character of charge and spin density waves in superconducting cuprates. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119429119.	3.3	13
78	Instrument design and characterization of the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. Proceedings of SPIE, 2008, , .	0.8	12
79	Use of Transition Models to Design High Performance TESs for the LCLS-II Soft X-Ray Spectrometer. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	12
80	First Operation of TES Microcalorimeters in Space with the Micro-X Sounding Rocket. Journal of Low Temperature Physics, 2020, 199, 1062-1071.	0.6	12
81	Valenceâ€toâ€core Xâ€ray emission spectroscopy of titanium compounds using energy dispersive detectors. X-Ray Spectrometry, 2021, 50, 9-20.	0.9	12
82	Absolute energies and emission line shapes of the L x-ray transitions of lanthanide metals. Metrologia, 2021, 58, 015016.	0.6	12
83	Cosmic Microwave Background Observations with a Compact Heterogeneous 150 GHz Interferometer in Chile. Astrophysical Journal, Supplement Series, 2005, 156, 1-11.	3.0	11
84	Microwave SQUID multiplexers for low-temperature detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 802-804.	0.7	11
85	The effects of the mechanical performance and alignment of the Atacama Cosmology Telescope on the sensitivity of microwave observations. Proceedings of SPIE, 2008, , .	0.8	11
86	Optimization of Time- and Code-Division-Multiplexed Readout for Athena X-IFU. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	11
87	Design of a 3000-Pixel Transition-Edge Sensor X-Ray Spectrometer for Microcircuit Tomography. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	11
88	Measurements of Strong-Interaction Effects in Kaonic-Helium Isotopes at Sub-eV Precision with X-Ray Microcalorimeters. Physical Review Letters, 2022, 128, 112503.	2.9	11
89	Multiplexed microcalorimeter arrays for precision measurements from microwave to gamma-ray wavelengths. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 161-164.	0.7	10
90	Systems and control software for the Atacama Cosmology Telescope. Proceedings of SPIE, 2008, , .	0.8	10

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91	Opto-mechanical design and performance of a compact three-frequency camera for the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. Proceedings of SPIE, 2008, , .	0.8	10
92	The x-ray microcalorimeter spectrometer onboard of IXO. Proceedings of SPIE, 2010, , .	0.8	10
93	Optimization and Analysis of Code-Division Multiplexed TES Microcalorimeters. Journal of Low Temperature Physics, 2012, 167, 713-720.	0.6	10
94	Optimization of the TES-Bias Circuit for a Multiplexed Microcalorimeter Array. Journal of Low Temperature Physics, 2012, 167, 595-601.	0.6	10
95	High-Resolution Kaonic-Atom X-ray Spectroscopy with Transition-Edge-Sensor Microcalorimeters. Journal of Low Temperature Physics, 2014, 176, 1015-1021.	0.6	10
96	The X-Ray Microcalorimeter Spectrometer for the International X-Ray Observatory. , 2009, , .		9
97	The x-ray microcalorimeter spectrometer onboard Athena. Proceedings of SPIE, 2012, , .	0.8	9
98	A thin-film cryotron suitable for use as an ultra-low-temperature switch. Applied Physics Letters, 2016, 109, .	1.5	9
99	When â€œOptimal Filteringâ€•Isnâ€™t. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	9
100	Hybrid X-ray Spectroscopy-Based Approach To Acquire Chemical and Structural Information of Single-Walled Carbon Nanotubes with Superior Sensitivity. Journal of Physical Chemistry C, 2019, 123, 6114-6120.	1.5	9
101	On Low-Energy Tail Distortions in the Detector Response Function of X-Ray Microcalorimeter Spectrometers. Journal of Low Temperature Physics, 2020, 199, 1046-1054.	0.6	9
102	Integration of a TES-based X-ray spectrometer in a kaonic atom experiment. Journal of Low Temperature Physics, 2020, 199, 1018-1026.	0.6	9
103	Development of a Real-Time Pulse Processing Algorithm for TES-Based X-Ray Microcalorimeters. IEEE Transactions on Applied Superconductivity, 2011, 21, 276-280.	1.1	8
104	Approaches to the Optimal Nonlinear Analysis of Microcalorimeter Pulses. Journal of Low Temperature Physics, 2018, 193, 539-546.	0.6	8
105	High-Throughput, DC-Parametric Evaluation of Flux-Activated-Switch-Based TDM and CDM SQUID Multiplexers. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.1	8
106	Mitigation of Finite Bandwidth Effects in Time-Division-Multiplexed SQUID Readout of TES Arrays. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	8
107	Time-division SQUID multiplexer for the readout of X-ray microcalorimeter arrays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 559-561.	0.7	7
108	Optimization of transition-edge calorimeter performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 422-425.	0.7	7

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109	An Optical System for Body Imaging from a Distance Using Near-TeraHertz Frequencies. Journal of Low Temperature Physics, 2008, 151, 777-783.	0.6	7
110	Real-Time Data Processing for X-Ray Spectroscopy. AIP Conference Proceedings, 2009, , .	0.3	7
111	The transition-edge EBIT microcalorimeter spectrometer. , 2014, , .		7
112	Uncertainty of Plutonium Isotopic Measurements with Microcalorimeter and High-Purity Germanium Detectors. IEEE Transactions on Nuclear Science, 2014, 61, 2365-2372.	1.2	7
113	Progress on the Micro-X sounding rocket x-ray telescope: completion of flight hardware. Proceedings of SPIE, 2010, , .	0.8	6
114	Study of Excess Heat Capacity and Suppressed Kapitza Conductance in TES Devices. IEEE Transactions on Applied Superconductivity, 2011, 21, 227-231.	1.1	6
115	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	1.6	6
116	Predicted Energy Resolution of a Running-Sum Algorithm for Microcalorimeters. Journal of Low Temperature Physics, 2012, 167, 582-587.	0.6	6
117	Two-Level Switches for Advanced Time-Division Multiplexing. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	6
118	Indium Bump Process for Low-Temperature Detectors and Readout. Journal of Low Temperature Physics, 2022, 209, 293-298.	0.6	6
119	Millimeter-Wavelength Galactic Observations with the Mobile Anisotropy Telescope. Astronomical Journal, 2002, 123, 1978-1985.	1.9	5
120	Micro-X: Mission Overview and Science Goals. Journal of Low Temperature Physics, 2008, 151, 740-745.	0.6	5
121	Toward a 256-Pixel Array of Gamma-Ray Microcalorimeters for Nuclear-Materials Analysis. Journal of Low Temperature Physics, 2008, 151, 754-759.	0.6	5
122	Front Matter: Volume 7020. , 2008, , .		5
123	Development of x-ray microcalorimeter imaging spectrometers for the X-ray Surveyor mission concept. Proceedings of SPIE, 2016, , .	0.8	5
124	Resonant Soft X-Ray Scattering from Stripe-Ordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> Detected by a Transition-Edge Sensor Array Detector. Physical Review Applied, 2020, 13, .	1.3	5
125	A Predictive Control Algorithm for Time-Division-Multiplexed Readout of TES Microcalorimeters. Journal of Low Temperature Physics, 2020, 199, 275-280.	0.6	5
126	X-ray microcalorimeter arrays fabricated by surface micromachining. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 435-438.	0.7	4

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127	Science with Micro-X: the TES microcalorimeter x-ray imaging rocket. , 2006, 6266, 68.		4
128	Fabrication of prototype imaging arrays for SCUBA-2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 513-515.	0.7	4
129	Progress on the Micro-X rocket payload. , 2008, , .		4
130	High Rate Pulse Processing Algorithms for Microcalorimeters. AIP Conference Proceedings, 2009, , .	0.3	4
131	Application of GEANT4 to the Simulation of High Energy-Resolution Microcalorimeter Detectors. IEEE Transactions on Nuclear Science, 2009, 56, 2294-2298.	1.2	4
132	Update on the Micro-X Sounding Rocket payload. , 2012, , .		4
133	Detector Calibration for the Micro-X Sounding Rocket X-ray Telescope. Journal of Low Temperature Physics, 2018, 193, 984-990.	0.6	4
134	Microstructure Analysis of Bismuth Absorbers for Transition-Edge Sensor X-ray Microcalorimeters. Journal of Low Temperature Physics, 2018, 193, 225-230.	0.6	4
135	Waveform Analysis of a 240-Pixel TES Array for X-Rays and Charged Particles Using a Function of Triggering Neighboring Pixels. Journal of Low Temperature Physics, 2020, 200, 269-276.	0.6	4
136	Mitigating the Effects of Charged Particle Strikes on TES Arrays for Exotic Atom X-ray Experiments. Journal of Low Temperature Physics, 2020, 200, 247-254.	0.6	4
137	Micro-X Sounding Rocket: Transitioning from First Flight to a Dark Matter Configuration. Journal of Low Temperature Physics, 2020, 199, 1072-1081.	0.6	4
138	SCUBA-2 arrays to system interfaces. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 427-430.	0.7	3
139	Robust infrared filters for X-ray spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 638-640.	0.7	3
140	High Resolution Alpha Particle Spectroscopy with Cryogenic Microcalorimeters. , 2006, , .		3
141	The Detector and Readout Systems of the Micro-X High Resolution Microcalorimeter X-Ray Imaging Rocket. , 2009, , .		3
142	A Digital Signal Processing Module for Time-Division Multiplexed Microcalorimeter Arrays. IEEE Transactions on Applied Superconductivity, 2013, 23, 2500305-2500305.	1.1	3
143	Minimum detection limits and applications of proton and helium induced X-ray emission using transition-edge sensor array. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 130-134.	0.6	3
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145	Configurable error correction of code-division multiplexed TES detectors with a cryotron switch. Applied Physics Letters, 2019, 114, 232602.	1.5	3
146	Metastable Brominated Nanodiamond Surface Enables Room Temperature and Catalysis-Free Amine Chemistry. Journal of Physical Chemistry Letters, 2022, 13, 1147-1158.	2.1	3
147	High rate pulse processing algorithms for microcalorimeters. , 2008, , .		2
148	Improved Isotopic Analysis With a Large Array of Gamma-Ray Microcalorimeters. IEEE Transactions on Applied Superconductivity, 2009, 19, 536-539.	1.1	2
149	Issues in energy calibration, nonlinearity, and signal processing for gamma-ray microcalorimeter detectors. , 2009, , .		2
150	THE ADIABATIC DEMAGNETIZATION REFRIGERATOR FOR THE MICRO-X SOUNDING ROCKET TELESCOPE. AIP Conference Proceedings, 2010, , .	0.3	2
151	Status of the micro-X sounding rocket x-ray spectrometer. , 2016, , .		2
152	Error-Correcting Codes for Code-Division Multiplexed TES Detectors. Journal of Low Temperature Physics, 2018, 193, 556-561.	0.6	2
153	Design of Magnetic Shielding and Field Coils for a TES X-ray Microcalorimeter Test Platform. Journal of Low Temperature Physics, 2019, 194, 433-442.	0.6	2
154	Kaonic Atom Experiments at J-PARC. , 2019, , .		2
155	High Energy Background Event Identification Using Local Group Trigger in a 240-pixel X-ray TES Array. Journal of Low Temperature Physics, 2020, 200, 392-399.	0.6	2
156	Design and status of the Micro-X microcalorimeter sounding rocket. Journal of Physics: Conference Series, 2020, 1342, 012096.	0.3	2
157	Dynamical Response of Transition-Edge Sensor Microcalorimeters to a Pulsed Charged-Particle Beam. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	2
158	The MAT/TOCO Measurement of the Angular Power Spectrum of the Cosmic Microwave Background at 30 and 40 GHz. Astrophysical Journal, 2003, 598, 97-101.	1.6	1
159	A First Application of the FRAM Isotopic Analysis Code to High-Resolution Microcalorimetry Gamma-Ray Spectra. IEEE Transactions on Nuclear Science, 2009, 56, 2284-2289.	1.2	1
160	New Science Case for the Micro-X High Energy Resolution Microcalorimeter X-ray Imaging Rocket. , 2009, , .		1
161	Kaonic-Atom X-ray Spectroscopy with Superconducting Microcalorimeters. , 2017, , .		1
162	High Resolution Micro-calorimeter Arrays for Micro-probe Analysis. Microscopy and Microanalysis, 2005, 11, .	0.2	0

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163	Monte Carlo Studies of High Resolution Microcalorimeter Detectors. , 2006, , .		0
164	Simulating the response of ultra-high energy resolution x- and gamma-ray microcalorimeter detectors. , 2007, , .		0
165	Micro-X, the TES X-ray Imaging Rocket: First Year Progress. IEEE Transactions on Applied Superconductivity, 2009, 19, 553-556.	1.1	0
166	Resonator Stabilization Architecture to Suppress Switching Transient Crosstalk in I-CDM. Journal of Low Temperature Physics, 2018, 193, 593-599.	0.6	0
167	Making kilopixel x-ray microcalorimeter arrays a reality. SPIE Newsroom, 2009, , .	0.1	0