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## List of Publications by Year in descending order

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167  
papers

4,970  
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126708

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docs citations

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times ranked

4360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metastable Brominated Nanodiamond Surface Enables Room Temperature and Catalysis-Free Amine Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1147-1158.	2.1	3
2	Measurements of Strong-Interaction Effects in Kaonic-Helium Isotopes at Sub-eV Precision with X-Ray Microcalorimeters. <i>Physical Review Letters</i> , 2022, 128, 112503.	2.9	11
3	Generic character of charge and spin density waves in superconducting cuprates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119429119.	3.3	13
4	Indium Bump Process for Low-Temperature Detectors and Readout. <i>Journal of Low Temperature Physics</i> , 2022, 209, 293-298.	0.6	6
5	Valence $X$ -ray emission spectroscopy of titanium compounds using energy dispersive detectors. <i>X-Ray Spectrometry</i> , 2021, 50, 9-20.	0.9	12
6	Absolute energies and emission line shapes of the L x-ray transitions of lanthanide metals. <i>Metrologia</i> , 2021, 58, 015016.	0.6	12
7	Deexcitation Dynamics of Muonic Atoms Revealed by High-Precision Spectroscopy of Electronic $K$ X Rays. <i>Physical Review Letters</i> , 2021, 127, 053001.	2.9	19
8	Performance of a Broad-Band, High-Resolution, Transition-Edge Sensor Spectrometer for X-ray Astrophysics. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-6.	1.1	22
9	Design of a 3000-Pixel Transition-Edge Sensor X-Ray Spectrometer for Microcircuit Tomography. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.1	11
10	Mitigation of Finite Bandwidth Effects in Time-Division-Multiplexed SQUID Readout of TES Arrays. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.1	8
11	Dynamical Response of Transition-Edge Sensor Microcalorimeters to a Pulsed Charged-Particle Beam. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-4.	1.1	2
12	Broadband high-energy resolution hard x-ray spectroscopy using transition edge sensors at SPring-8. <i>Review of Scientific Instruments</i> , 2021, 92, 013103.	0.6	14
13	First Operation of TES Microcalorimeters in Space with the Micro-X Sounding Rocket. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1062-1071.	0.6	12
14	On Low-Energy Tail Distortions in the Detector Response Function of X-Ray Microcalorimeter Spectrometers. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1046-1054.	0.6	9
15	Waveform Analysis of a 240-Pixel TES Array for X-Rays and Charged Particles Using a Function of Triggering Neighboring Pixels. <i>Journal of Low Temperature Physics</i> , 2020, 200, 269-276.	0.6	4
16	X-ray Spectroscopy of Muonic Atoms Isolated in Vacuum with Transition Edge Sensors. <i>Journal of Low Temperature Physics</i> , 2020, 200, 445-451.	0.6	13
17	Mitigating the Effects of Charged Particle Strikes on TES Arrays for Exotic Atom X-ray Experiments. <i>Journal of Low Temperature Physics</i> , 2020, 200, 247-254.	0.6	4
18	Resonant Soft X-Ray Scattering from Stripe-Ordered $La_{2-x}M_{2x}O_{7-\delta}$ Detected by a Transition-Edge Sensor Array Detector. <i>Physical Review Applied</i> , 2020, 13, .		

#	ARTICLE	IF	CITATIONS
19	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
20	Design and status of the Micro-X microcalorimeter sounding rocket. Journal of Physics: Conference Series, 2020, 1342, 012096.	0.3	2
21	A Predictive Control Algorithm for Time-Division-Multiplexed Readout of TES Microcalorimeters. Journal of Low Temperature Physics, 2020, 199, 275-280.	0.6	5
22	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
23	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
24	Chemical control of competing electron transfer pathways in iron tetracyano-polypyridyl photosensitizers. Chemical Science, 2020, 11, 4360-4373.	3.7	20
25	Configurable error correction of code-division multiplexed TES detectors with a cryotron switch. Applied Physics Letters, 2019, 114, 232602.	1.5	3
26	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
27	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
28	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
29	Two-Level Switches for Advanced Time-Division Multiplexing. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	6
30	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
31	Demonstration of Athena X-IFU Compatible 40-Row Time-Division-Multiplexed Readout. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	32
32	Optimization of Time- and Code-Division-Multiplexed Readout for Athena X-IFU. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	11
33	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
34	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
35	Kaonic Atom Experiments at J-PARC. , 2019, , .		2
36	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

#	ARTICLE	IF	CITATIONS
37	Detector Calibration for the Micro-X Sounding Rocket X-ray Telescope. Journal of Low Temperature Physics, 2018, 193, 984-990.	0.6	4
38	Error-Correcting Codes for Code-Division Multiplexed TES Detectors. Journal of Low Temperature Physics, 2018, 193, 556-561.	0.6	2
39	Resonator Stabilization Architecture to Suppress Switching Transient Crosstalk in I-CDM. Journal of Low Temperature Physics, 2018, 193, 593-599.	0.6	0
40	TES X-ray Spectrometer at SLAC LCLS-II. Journal of Low Temperature Physics, 2018, 193, 1287-1297.	0.6	21
41	A Highly Linear Calibration Metric for TES X-ray Microcalorimeters. Journal of Low Temperature Physics, 2018, 193, 249-257.	0.6	3
42	Microstructure Analysis of Bismuth Absorbers for Transition-Edge Sensor X-ray Microcalorimeters. Journal of Low Temperature Physics, 2018, 193, 225-230.	0.6	4
43	Approaches to the Optimal Nonlinear Analysis of Microcalorimeter Pulses. Journal of Low Temperature Physics, 2018, 193, 539-546.	0.6	8
44	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
45	When "Optimal Filtering" Isn't. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	9
46	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
47	A reassessment of absolute energies of the x-ray L lines of lanthanide metals. Metrologia, 2017, 54, 494-511.	0.6	35
48	A practical superconducting-microcalorimeter X-ray spectrometer for beamline and laboratory science. Review of Scientific Instruments, 2017, 88, 053108.	0.6	96
49	L-edge spectroscopy of dilute, radiation-sensitive systems using a transition-edge-sensor array. Journal of Chemical Physics, 2017, 147, 214201.	1.2	24
50	Eliminating the non-Gaussian spectral response of X-ray absorbers for transition-edge sensors. Applied Physics Letters, 2017, 111, .	1.5	33
51	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
52	Kaonic-Atom X-ray Spectroscopy with Superconducting Microcalorimeters. , 2017, , .		1
53	Status of the micro-X sounding rocket x-ray spectrometer. , 2016, , .		2
54	Broadband Ultrahigh-Resolution Spectroscopy of Particle-Induced X Rays: Extending the Limits of Nondestructive Analysis. Physical Review Applied, 2016, 6, .	1.5	20

#	ARTICLE	IF	CITATIONS
55	A thin-film cryotron suitable for use as an ultra-low-temperature switch. Applied Physics Letters, 2016, 109, .	1.5	9
56	Ultrafast Time-Resolved Hard X-Ray Emission Spectroscopy on a Tabletop. Physical Review X, 2016, 6, .	2.8	23
57	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
58	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
59	Development of x-ray microcalorimeter imaging spectrometers for the X-ray Surveyor mission concept. Proceedings of SPIE, 2016, , .	0.8	5
60	Code-division-multiplexed readout of large arrays of TES microcalorimeters. Applied Physics Letters, 2016, 109, .	1.5	38
61	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
62	Developments in Time-Division Multiplexing of X-ray Transition-Edge Sensors. Journal of Low Temperature Physics, 2016, 184, 389-395.	0.6	103
63	The Practice of Pulse Processing. Journal of Low Temperature Physics, 2016, 184, 374-381.	0.6	65
64	MICROCALORIMETER SPECTROSCOPY AT HIGH PULSE RATES: A MULTI-PULSE FITTING TECHNIQUE. Astrophysical Journal, Supplement Series, 2015, 219, 35.	3.0	32
65	256-pixel microcalorimeter array for high-resolution $\hat{I}^3$ -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
66	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
67	Transition-Edge Sensor Microcalorimeters for X-ray Beamline Science. Synchrotron Radiation News, 2014, 27, 24-27.	0.2	30
68	The transition-edge EBIT microcalorimeter spectrometer. , 2014, , .		7
69	Transition-Edge Sensors for Particle Induced X-ray Emission Measurements. Journal of Low Temperature Physics, 2014, 176, 285-290.	0.6	18
70	High-Resolution Kaonic-Atom X-ray Spectroscopy with Transition-Edge-Sensor Microcalorimeters. Journal of Low Temperature Physics, 2014, 176, 1015-1021.	0.6	10
71	Uncertainty of Plutonium Isotopic Measurements with Microcalorimeter and High-Purity Germanium Detectors. IEEE Transactions on Nuclear Science, 2014, 61, 2365-2372.	1.2	7
72	Determination of Plutonium Isotopic Content by Microcalorimeter Gamma-Ray Spectroscopy. IEEE Transactions on Nuclear Science, 2013, 60, 681-688.	1.2	17

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73	A Digital Signal Processing Module for Time-Division Multiplexed Microcalorimeter Arrays. IEEE Transactions on Applied Superconductivity, 2013, 23, 2500305-2500305.	1.1	3
74	The Atacama Cosmology Telescope: cosmological parameters from three seasons of data. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 060-060.	1.9	215
75	Note: Operation of gamma-ray microcalorimeters at elevated count rates using filters with constraints. Review of Scientific Instruments, 2013, 84, 056107.	0.6	19
76	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
77	Table-Top Ultrafast X-Ray Microcalorimeter Spectrometry for Molecular Structure. Physical Review Letters, 2013, 110, 138302.	2.9	40
78	THE ATACAMA COSMOLOGY TELESCOPE: DATA CHARACTERIZATION AND MAPMAKING. Astrophysical Journal, 2013, 762, 10.	1.6	70
79	A high resolution gamma-ray spectrometer based on superconducting microcalorimeters. Review of Scientific Instruments, 2012, 83, 093113.	0.6	77
80	Code-division multiplexing for x-ray microcalorimeters. Applied Physics Letters, 2012, 100, .	1.5	27
81	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	1.6	6
82	The x-ray microcalorimeter spectrometer onboard Athena. Proceedings of SPIE, 2012, , .	0.8	9
83	Update on the Micro-X Sounding Rocket payload. , 2012, , .		4
84	Advanced Code-Division Multiplexers for Superconducting Detector Arrays. Journal of Low Temperature Physics, 2012, 167, 588-594.	0.6	28
85	Predicted Energy Resolution of a Running-Sum Algorithm for Microcalorimeters. Journal of Low Temperature Physics, 2012, 167, 582-587.	0.6	6
86	Optimization and Analysis of Code-Division Multiplexed TES Microcalorimeters. Journal of Low Temperature Physics, 2012, 167, 713-720.	0.6	10
87	Optimization of the TES-Bias Circuit for a Multiplexed Microcalorimeter Array. Journal of Low Temperature Physics, 2012, 167, 595-601.	0.6	10
88	Study of Excess Heat Capacity and Suppressed Kapitza Conductance in TES Devices. IEEE Transactions on Applied Superconductivity, 2011, 21, 227-231.	1.1	6
89	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
90	THE ATACAMA COSMOLOGY TELESCOPE: COSMOLOGY FROM GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT. Astrophysical Journal, 2011, 732, 44.	1.6	140

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91	THE ATACAMA COSMOLOGY TELESCOPE: CALIBRATION WITH THE WILKINSON MICROWAVE ANISOTROPY PROBE USING CROSS-CORRELATIONS. <i>Astrophysical Journal</i> , 2011, 740, 86.	1.6	34
92	THE ATACAMA COSMOLOGY TELESCOPE: EXTRAGALACTIC SOURCES AT 148 GHz IN THE 2008 SURVEY. <i>Astrophysical Journal</i> , 2011, 731, 100.	1.6	75
93	Large microcalorimeter arrays for high-resolution X- and gamma-rayspectroscopy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 302-305.	0.7	13
94	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND POWER SPECTRUM AT 148 AND 218 GHz FROM THE 2008 SOUTHERN SURVEY. <i>Astrophysical Journal</i> , 2011, 729, 62.	1.6	144
95	OVERVIEW OF THE ATACAMA COSMOLOGY TELESCOPE: RECEIVER, INSTRUMENTATION, AND TELESCOPE SYSTEMS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 194, 41.	3.0	180
96	THE ATACAMA COSMOLOGY TELESCOPE: COSMOLOGICAL PARAMETERS FROM THE 2008 POWER SPECTRUM. <i>Astrophysical Journal</i> , 2011, 739, 52.	1.6	329
97	THE ATACAMA COSMOLOGY TELESCOPE: SUNYAEV-ZEL'DOVICH-SELECTED GALAXY CLUSTERS AT 148 GHz IN THE 2008 SURVEY. <i>Astrophysical Journal</i> , 2011, 737, 61.	1.6	234
98	Progress on the Micro-X sounding rocket x-ray telescope: completion of flight hardware. <i>Proceedings of SPIE</i> , 2010, , .	0.8	6
99	The x-ray microcalorimeter spectrometer onboard of IXO. <i>Proceedings of SPIE</i> , 2010, , .	0.8	10
100	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE 600 &lt;math>\mu\text{m}</math> &lt;math>8000</math> COSMIC MICROWAVE BACKGROUND POWER SPECTRUM AT 148 GHz. <i>Astrophysical Journal</i> , 2010, 722, 1148-1161.	1.6	107
101	THE ATACAMA COSMOLOGY TELESCOPE (ACT): BEAM PROFILES AND FIRST SZ CLUSTER MAPS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 191, 423-438.	3.0	79
102	Code-division SQUID multiplexing. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	35
103	THE ADIABATIC DEMAGNETIZATION REFRIGERATOR FOR THE MICRO-X SOUNDING ROCKET TELESCOPE. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	2
104	Code-division multiplexing of superconducting transition-edge sensor arrays. <i>Superconductor Science and Technology</i> , 2010, 23, 034004.	1.8	45
105	High Rate Pulse Processing Algorithms for Microcalorimeters. <i>AIP Conference Proceedings</i> , 2009, , .	0.3	4
106	The Detector and Readout Systems of the Micro-X High Resolution Microcalorimeter X-Ray Imaging Rocket. , 2009, , .		3
107	Improved Isotopic Analysis With a Large Array of Gamma-Ray Microcalorimeters. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 536-539.	1.1	2
108	Micro-X, the TES X-ray Imaging Rocket: First Year Progress. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 553-556.	1.1	0

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109	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
110	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
111	Application of GEANT4 to the Simulation of High Energy-Resolution Microcalorimeter Detectors. IEEE Transactions on Nuclear Science, 2009, 56, 2294-2298.	1.2	4
112	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
113	Dependence of Excess Noise on the Partial Derivatives of Resistance in Superconducting Transition Edge Sensors. AIP Conference Proceedings, 2009, , .	0.3	16
114	Real-Time Data Processing for X-Ray Spectroscopy. AIP Conference Proceedings, 2009, , .	0.3	7
115	New Science Case for the Micro-X High Energy Resolution Microcalorimeter X-ray Imaging Rocket. , 2009, , .		1
116	Optimal filtering, record length, and count rate in transition-edge-sensor microcalorimeters. AIP Conference Proceedings, 2009, , .	0.3	22
117	The X-Ray Microcalorimeter Spectrometer for the International X-Ray Observatory. , 2009, , .		9
118	Electronics for a Next-Generation SQUID-Based Time-Domain Multiplexing System. AIP Conference Proceedings, 2009, , .	0.3	13
119	Issues in energy calibration, nonlinearity, and signal processing for gamma-ray microcalorimeter detectors. , 2009, , .		2
120	Making kilopixel x-ray microcalorimeter arrays a reality. SPIE Newsroom, 2009, , .	0.1	0
121	A Kilopixel Array of TES Bolometers for ACT: Development, Testing, and First Light. Journal of Low Temperature Physics, 2008, 151, 690-696.	0.6	33
122	Micro-X: Mission Overview and Science Goals. Journal of Low Temperature Physics, 2008, 151, 740-745.	0.6	5
123	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
124	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
125	A TDMA Hybrid SQUID Multiplexer. Journal of Low Temperature Physics, 2008, 151, 927-933.	0.6	13
126	The EBIT Calorimeter Spectrometer: A New, Permanent User Facility at the LLNL EBIT. Journal of Low Temperature Physics, 2008, 151, 1061-1066.	0.6	25



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127	High rate pulse processing algorithms for microcalorimeters. , 2008, , .		2
128	Progress on the Micro-X rocket payload. , 2008, , .		4
129	Systems and control software for the Atacama Cosmology Telescope. Proceedings of SPIE, 2008, , .	0.8	10
130	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
131	Front Matter: Volume 7020. , 2008, , .		5
132	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
133	Characterization of transition edge sensors for the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. , 2008, , .		13
134	Multiplexed readout of uniform arrays of TES x-ray microcalorimeters suitable for Constellation-X. Proceedings of SPIE, 2008, , .	0.8	23
135	Instrument design and characterization of the Millimeter Bolometer Array Camera on the Atacama Cosmology Telescope. Proceedings of SPIE, 2008, , .	0.8	12
136	Automated SQUID tuning procedure for kilo-pixel arrays of TES bolometers on the Atacama Cosmology Telescope. , 2008, , .		16
137	14-pixel, multiplexed array of gamma-ray microcalorimeters with 47eV energy resolution at 103keV. Applied Physics Letters, 2007, 90, 193508.	1.5	58
138	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
139	Simulating the response of ultra-high energy resolution x- and gamma-ray microcalorimeter detectors. , 2007, , .		0
140	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
141	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
142	Science with Micro-X: the TES microcalorimeter x-ray imaging rocket. , 2006, 6266, 68.		4
143	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
144	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

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145	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
146	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
147	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
148	High Resolution Alpha Particle Spectroscopy with Cryogenic Microcalorimeters. , 2006, , .		3
149	Monte Carlo Studies of High Resolution Microcalorimeter Detectors. , 2006, , .		0
150	Array-compatible transition-edge sensor microcalorimeter $\hat{\beta}$ -ray detector with 42eV energy resolution at 103keV. Applied Physics Letters, 2006, 89, 124101.	1.5	43
151	High Resolution Micro-calorimeter Arrays for Micro-probe Analysis. Microscopy and Microanalysis, 2005, 11, .	0.2	0
152	Cosmic Microwave Background Observations with a Compact Heterogeneous 150 GHz Interferometer in Chile. Astrophysical Journal, Supplement Series, 2005, 156, 1-11.	3.0	11
153	Optimized transition-edge x-ray microcalorimeter with 2.4eV energy resolution at 5.9keV. Applied Physics Letters, 2005, 87, 194103.	1.5	65
154	Superconducting transition edge sensor using dilute AlMn alloys. Applied Physics Letters, 2004, 85, 2137-2139.	1.5	24
155	Time-division multiplexing of high-resolution x-ray microcalorimeters: Four pixels and beyond. Applied Physics Letters, 2004, 85, 4762-4764.	1.5	21
156	Characterization and reduction of unexplained noise in superconducting transition-edge sensors. Applied Physics Letters, 2004, 84, 4206-4208.	1.5	101
157	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
158	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
159	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
160	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
161	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
162	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

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163	The MAT/TOCO Measurement of the Angular Power Spectrum of the Cosmic Microwave Background at 30 and 40 GHz. <i>Astrophysical Journal</i> , 2003, 598, 97-101.	1.6	1
164	Millimeter-Wavelength Galactic Observations with the Mobile Anisotropy Telescope. <i>Astronomical Journal</i> , 2002, 123, 1978-1985.	1.9	5
165	The QMAP and MAT/TOCO Experiments for Measuring Anisotropy in the Cosmic Microwave Background. <i>Astrophysical Journal, Supplement Series</i> , 2002, 140, 115-141.	3.0	34
166	A Measurement of the Angular Power Spectrum of the Microwave Background Made from the High Chilean Andes. <i>Astrophysical Journal</i> , 1999, 521, L79-L82.	1.6	83
167	A Measurement of the Angular Power Spectrum of the Cosmic Microwave Background from [CLC][ITAL]I[/ITAL][/CLC] = 100 to 400. <i>Astrophysical Journal</i> , 1999, 524, L1-L4.	1.6	338