

Yoshitaka Ishisaki

List of Publications by Year in descending order

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220
papers

6,650
citations

76326

40
h-index

71685

76
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222
all docs

222
docs citations

222
times ranked

3436
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.8	11
2	New Measurement of the Vertical Atmospheric Density Profile From Occultations of the Crab Nebula With X-Ray Astronomy Satellites Suzaku and Hitomi. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028886.	2.4	7
3	Broadband high-energy resolution hard x-ray spectroscopy using transition edge sensors at SPring-8. <i>Review of Scientific Instruments</i> , 2021, 92, 013103.	1.3	14
4	Cooling system for the Resolve onboard XRISM. <i>Cryogenics</i> , 2020, 108, 103016.	1.7	9
5	Poisson vs. Gaussian statistics for sparse X-ray data: Application to the soft X-ray spectrometer. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	2.5	4
6	Resolve Instrument on X-ray Astronomy Recovery Mission (XARM). <i>Journal of Low Temperature Physics</i> , 2018, 193, 991-995.	1.4	31
7	Detection of polarized gamma-ray emission from the Crab nebula with the Hitomi Soft Gamma-ray Detector. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	21
8	Search for thermal X-ray features from the Crab nebula with the Hitomi soft X-ray spectrometer. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
9	In-flight calibration of Hitomi Soft X-ray Spectrometer. (1) Background. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	10
10	Hitomi observations of the LMC SNR N49: Highly redshifted X-ray emission from iron ejecta. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	5
11	Glimpse of the highly obscured HMXB IGR J16318-4848 with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	4
12	X-ray study of the double radio relic Abell 3376 with Suzaku. <i>Astronomy and Astrophysics</i> , 2018, 618, A74.	5.1	32
13	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
14	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	29
15	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	57
16	Hitomi observation of radio galaxy NGC 1275: The first X-ray microcalorimeter spectroscopy of Fe-K \pm line emission from an active galactic nucleus. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	27
17	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	20
18	In-Orbit Performance of the Digital Electronics for the X-Ray Microcalorimeter Onboard the Hitomi Satellite. <i>Journal of Low Temperature Physics</i> , 2018, 193, 505-511.	1.4	2

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19	Super DIOS: Future X-ray Spectroscopic Mission to Search for Dark Baryons. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1016-1023.	1.4	5
20	In-flight performance of pulse-processing system of the ASTRO-H/Hitomi soft x-ray spectrometer. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.8	6
21	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.8	21
22	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-ray Spectrometer. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.8	7
23	In-flight performance of the soft x-ray spectrometer detector system on Astro-H. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.8	4
24	Super DIOS: future x-ray spectroscopic mission to search for dark baryons. , 2018, , .		2
25	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. <i>Astrophysical Journal Letters</i> , 2017, 837, L15.	8.3	84
26	Properties of the cosmological filament between two clusters: A possible detection of a large-scale accretion shock by Suzaku. <i>Astronomy and Astrophysics</i> , 2017, 606, A1.	5.1	42
27	Beamline Test of a Transition-Edge-Sensor Spectrometer in Preparation for Kaonic-Atom Measurements. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.7	13
28	Suzaku observations of the outskirts of the galaxy cluster Abell 3395, including a filament toward Abell 3391. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	2.5	16
29	Porous plug phase separator and superfluid film flow suppression system for the soft x-ray spectrometer onboard Hitomi. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2017, 4, 1.	1.8	2
30	Performance of the helium dewar and the cryocoolers of the Hitomi soft x-ray spectrometer. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2017, 4, 1.	1.8	12
31	Thermal analyses for initial operations of the soft x-ray spectrometer onboard the Hitomi satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2017, 4, 1.	1.8	1
32	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016, 535, 117-121.	27.8	348
33	In-orbit operation of the ASTRO-H SXS. , 2016, , .		15
34	Calibration of the microcalorimeter spectrometer on-board the Hitomi (Astro-H) observatory (invited). <i>Review of Scientific Instruments</i> , 2016, 87, 11D503.	1.3	0
35	Cryogen-free operation of the Soft X-ray Spectrometer instrument. , 2016, , .		6
36	In-flight performance of the Soft X-ray Spectrometer detector system on Astro-H. , 2016, , .		10

#	ARTICLE	IF	CITATIONS
37	Performance of the helium dewar and cryocoolers of ASTRO-H SXS. , 2016, , .		11
38	The Astro-H high resolution soft x-ray spectrometer. Proceedings of SPIE, 2016, , .	0.8	51
39	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer. Proceedings of SPIE, 2016, , .	0.8	10
40	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. , 2016, , .		8
41	The ASTRO-H (Hitomi) x-ray astronomy satellite. Proceedings of SPIE, 2016, , .	0.8	47
42	Future Japanese X-ray TES Calorimeter Satellite: DIOS (Diffuse Intergalactic Oxygen Surveyor). Journal of Low Temperature Physics, 2016, 184, 688-693.	1.4	6
43	Investigation of Surface Roughness Effect on Transition Edge Sensor Microcalorimeters Using Multilayer Readout Wiring. Journal of Low Temperature Physics, 2016, 184, 38-44.	1.4	2
44	Temporal Gain Correction for X-ray Calorimeter Spectrometers. Journal of Low Temperature Physics, 2016, 184, 498-504.	1.4	16
45	DIOS: the dark baryon exploring mission. Proceedings of SPIE, 2016, , .	0.8	4
46	In-flight performance of pulse processing system of the ASTRO-H soft x-ray spectrometer. , 2016, , .		9
47	Suzaku observations of the galaxy cluster 1RXSâ€œJ0603.3+4214: Implications of particle acceleration processes in the â€œToothbrushâ€œ radio relic. Publication of the Astronomical Society of Japan, 2015, 67, .	2.5	26
48	The ASTRO-H X-ray astronomy satellite. Proceedings of SPIE, 2014, , .	0.8	45
49	Soft x-ray spectrometer (SXS): the high-resolution cryogenic spectrometer onboard ASTRO-H. Proceedings of SPIE, 2014, , .	0.8	29
50	Performance verification and system integration tests of the pulse shape processor for the soft x-ray spectrometer onboard ASTRO-H. Proceedings of SPIE, 2014, , .	0.8	5
51	DIOS: the dark baryon exploring mission. Proceedings of SPIE, 2014, , .	0.8	1
52	Tapered edge readout wiring for TES calorimeter arrays using ion milling. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.7	0
53	Radiation Tolerance Evaluation of the Ti/Au Bilayer TES Microcalorimeter. Journal of Low Temperature Physics, 2014, 176, 344-349.	1.4	6
54	Development of Multilayer Readout Wiring TES Calorimeter for Future X-ray Missions. Journal of Low Temperature Physics, 2014, 176, 310-315.	1.4	7

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55	Development of Superconducting Multilayer Wiring for a 400-Pixel TES X-ray Microcalorimeter Array. IEEE Transactions on Applied Superconductivity, 2013, 23, 2100404-2100404.	1.7	5
56	Metals in the Intracluster Medium of MS 1512.4+3647 Observed with Suzaku: Implications for the Metal Enrichment History. Publication of the Astronomical Society of Japan, 2013, 65, 111.	2.5	0
57	Suzaku X-Ray Observations of the Accreting NGC 4839 Group of Galaxies and a Radio Relic in the Coma Cluster. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	38
58	Soft x-ray emission from solar wind charge exchange in the laboratory. Physica Scripta, 2013, T156, 014002.	2.5	2
59	X-Ray View of the Shock Front in the Merging Cluster Abell 3376 with Suzaku. Publication of the Astronomical Society of Japan, 2012, 64, .	2.5	52
60	Properties of the Intracluster Medium of Abell 3667 Observed with Suzaku XIS. Publication of the Astronomical Society of Japan, 2012, 64, .	2.5	37
61	Soft X-ray emissions related to the solar wind charge exchange observed by the X-ray satellite observatories. Journal of Physics: Conference Series, 2012, 388, 082021.	0.4	1
62	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	3.7	6
63	Development of the onboard digital processing system for the soft x-ray spectrometer of ASTRO-H: performance in the engineering model tests. Proceedings of SPIE, 2012, , .	0.8	4
64	The x-ray microcalorimeter spectrometer onboard Athena. Proceedings of SPIE, 2012, , .	0.8	9
65	The ASTRO-H X-ray Observatory. Proceedings of SPIE, 2012, , .	0.8	63
66	Status of the Diffuse Intergalactic Oxygen Surveyor (DIOS). Proceedings of SPIE, 2012, , .	0.8	5
67	The High-Resolution X-Ray Microcalorimeter Spectrometer, SXS, on Astro-H. Journal of Low Temperature Physics, 2012, 167, 795-802.	1.4	19
68	Development of a Digital Signal Processing System for the X-Ray Microcalorimeter Onboard ASTRO-H (II). Journal of Low Temperature Physics, 2012, 167, 575-581.	1.4	12
69	Development of Laboratory Experimental System to Clarify Solar Wind Charge Exchange Mechanism with TES Microcalorimeter. Journal of Low Temperature Physics, 2012, 167, 771-776.	1.4	1
70	Development of Superconducting Multilayer Wiring for Large Arrays of TES X-Ray Microcalorimeters. Journal of Low Temperature Physics, 2012, 167, 220-225.	1.4	6
71	Development of Active Gas-Gap Heat Switch for Double-Stage Adiabatic Demagnetization Refrigerators. Journal of Low Temperature Physics, 2012, 167, 777-782.	1.4	3
72	The Digital Processing System for the Soft X-Ray Spectrometer Onboard ASTRO-H "The Design and the Performance". IEEE Transactions on Nuclear Science, 2012, 59, 366-372.	2.0	16

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73	Development of Multilayer Readout Wiring for Large-Format TES X-Ray Microcalorimeter Arrays. IEEE Transactions on Applied Superconductivity, 2011, 21, 246-249.	1.7	6
74	Laboratory experiments on soft x-ray emissions from the solar wind. Physica Scripta, 2011, T144, 014025.	2.5	3
75	X-Ray Study of the Outer Region of Abell 2142 with Suzaku. Publication of the Astronomical Society of Japan, 2011, 63, S1019-S1033.	2.5	70
76	Cooling system for the soft x-ray spectrometer (SXS) onboard ASTRO-H. Proceedings of SPIE, 2010, , .	0.8	10
77	DIOS: the diffuse intergalactic oxygen surveyor: status and prospects. , 2010, , .		11
78	The detector subsystem for the SXS instrument on the ASTRO-H Observatory. Proceedings of SPIE, 2010, , .	0.8	21
79	Cooling system for the soft X-ray spectrometer onboard Astro-H. Cryogenics, 2010, 50, 488-493.	1.7	25
80	Development of double-stage ADR for future space missions. Cryogenics, 2010, 50, 597-602.	1.7	8
81	Metallicity of the Fossil Group NGC 1550 Observed with Suzaku. Publication of the Astronomical Society of Japan, 2010, 62, 1445-1454.	2.5	17
82	X-Ray Temperature and Mass Measurements to the Virial Radius of Abell 1413 with Suzaku. Publication of the Astronomical Society of Japan, 2010, 62, 371-389.	2.5	112
83	The high-resolution x-ray microcalorimeter spectrometer system for the SXS on ASTRO-H. Proceedings of SPIE, 2010, , .	0.8	50
84	Optimization of Structure of Large Format TES Arrays. IEEE Transactions on Applied Superconductivity, 2009, 19, 456-459.	1.7	1
85	Energy-Scale Calibration of the Suzaku X-Ray Imaging Spectrometer Using the Checker Flag Charge-Injection Technique in Orbit. Publication of the Astronomical Society of Japan, 2009, 61, S1-S7.	2.5	24
86	New CTI Correction Method for Spaced-Row Charge Injection of the Suzaku X-Ray Imaging Spectrometer. Publication of the Astronomical Society of Japan, 2009, 61, S9-S15.	2.5	90
87	Suzaku Observation of Group of Galaxies NGC 507: Temperature and Metal Distributions in the Intra-Cluster Medium. Publication of the Astronomical Society of Japan, 2009, 61, S353-S363.	2.5	30
88	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. Experimental Astronomy, 2009, 23, 67-89.	3.7	19
89	Impedance measurement and excess-noise behavior of a Ti ⁺ Au bilayer TES calorimeter. AIP Conference Proceedings, 2009, , .	0.4	13
90	Development of a Digital Signal Processing System for the X-ray Microcalorimeter onboard ASTRO-H. , 2009, , .		6

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91	Large Arrays of TES X-ray Microcalorimeters for Dark Baryon Search. , 2009, , .		9
92	Performance test of Ti ⁺ Au bilayer TES microcalorimeter in combination with continuous ADR. AIP Conference Proceedings, 2009, , .	0.4	2
93	<i>Suzaku</i> measurement of Abell 2204's intracluster gas temperature profile out to 1800 ⁺ kpc. Astronomy and Astrophysics, 2009, 501, 899-905.	5.1	87
94	The Noise and Energy Resolution of the Ti/Au Bilayer X-ray TES Calorimeter with an Au Absorber. Journal of Low Temperature Physics, 2008, 151, 185-189.	1.4	7
95	Effect of On-Chip Magnetic Shielding for TES Microcalorimeters. Journal of Low Temperature Physics, 2008, 151, 131-137.	1.4	21
96	A High Energy Resolution Gamma-Ray TES Microcalorimeter with Fast Response Time. Journal of Low Temperature Physics, 2008, 151, 430-435.	1.4	13
97	Fabrication of CPA Salt Pill with Circulating Solution Method. Journal of Low Temperature Physics, 2008, 151, 655-661.	1.4	2
98	EURECA: European-Japanese Microcalorimeter Array. Journal of Low Temperature Physics, 2008, 151, 733-739.	1.4	7
99	Micromachined X-ray collector for space astronomy. Sensors and Actuators A: Physical, 2008, 145-146, 201-206.	4.1	15
100	Restoring the Suzaku Source Position Accuracy and Point-Spread function. Publication of the Astronomical Society of Japan, 2008, 60, S35-S41.	2.5	64
101	Suzaku Observation of HCG 62: Temperature, Abundance, and Extended Hard X-Ray Emission Profiles. Publication of the Astronomical Society of Japan, 2008, 60, S317-S331.	2.5	21
102	Reproducibility of Non-X-Ray Background for the X-Ray Imaging Spectrometer aboard Suzaku. Publication of the Astronomical Society of Japan, 2008, 60, S11-S24.	2.5	267
103	Supernovae contributions to metals in intra-cluster medium observed with Suzaku. AIP Conference Proceedings, 2008, , .	0.4	0
104	Suzaku Observations of AWM 7 Cluster of Galaxies: Temperatures, Abundances, and Bulk Motions. Publication of the Astronomical Society of Japan, 2008, 60, S333-S342.	2.5	47
105	In-Orbit Timing Calibration of the Hard X-Ray Detector on Board Suzaku. Publication of the Astronomical Society of Japan, 2008, 60, S25-S33.	2.5	37
106	Design of the two-stage series adiabatic demagnetization refrigerator for the NeXT and Spectrum-RG missions. Proceedings of SPIE, 2008, , .	0.8	2
107	Status of the DIOS mission. , 2008, , .		1
108	Design and fabrication of TES microcalorimeters for x-ray astrophysics in Japan. Proceedings of SPIE, 2008, , .	0.8	4

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109	The NeXT Mission. , 2008, , .		30
110	The x-ray microcalorimeter on the NeXT mission. , 2008, , .		11
111	A Micromachined X-Ray Collector for Space Astronomy. , 2007, , .		2
112	The X-Ray Observatory Suzaku. Publication of the Astronomical Society of Japan, 2007, 59, S1-S7.	2.5	823
113	Suzaku Observation of Abell 2204: Galaxy Cluster Gas Temperature Measurement Up to the Virial Radius. Progress of Theoretical Physics Supplement, 2007, 169, 33-36.	0.1	1
114	Evidence for Solar-Wind Charge-Exchange X-Ray Emission from the Earth's Magnetosheath. Publication of the Astronomical Society of Japan, 2007, 59, S133-S140.	2.5	159
115	Monte Carlo Simulator and Ancillary Response Generator of Suzaku XRT/XIS System for Spatially Extended Source Analysis. Publication of the Astronomical Society of Japan, 2007, 59, S113-S132.	2.5	380
116	X-Ray Study of Temperature and Abundance Profiles of the Cluster of Galaxies Abell 1060 with Suzaku. Publication of the Astronomical Society of Japan, 2007, 59, 299-317.	2.5	55
117	The Suzaku High Resolution X-Ray Spectrometer. Publication of the Astronomical Society of Japan, 2007, 59, S77-S112.	2.5	123
118	On-Orbit Performance of the X-Ray Telescopes and Thermal Wobbling of the Suzaku Satellite. Progress of Theoretical Physics Supplement, 2007, 169, 322-325.	0.1	0
119	Suzaku Survey for Non-Thermal Hard X-Ray Emission from Clusters of Galaxies. Progress of Theoretical Physics Supplement, 2007, 169, 45-48.	0.1	2
120	The 7-Steps of the Data Analysis. Progress of Theoretical Physics Supplement, 2007, 169, 312-315.	0.1	1
121	H.E.S.S. Observations of the Supernova Remnant RX J0852.0-4622: Shell-Type Morphology and Spectrum of a Widely Extended Very High Energy Gamma-Ray Source. Astrophysical Journal, 2007, 661, 236-249.	4.5	167
122	Type Ia and II Supernovae Contributions to Metal Enrichment in the Intracluster Medium Observed with Suzaku. Astrophysical Journal, 2007, 667, L41-L44.	4.5	52
123	Silicon micro-pore X-ray optics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 817-820.	1.6	5
124	Chandra and XMM-Newton Observations of the Group of Galaxies HCG 62. Globular Clusters - Guides To Galaxies, 2007, , 112-114.	0.1	0
125	A Suzaku Observation of the Cluster of Galaxies A1060. , 2007, , 398-400.		0
126	Framework for a Geant4-based simulator of the radiation background and detector responses of the space X-ray observatory Suzaku (Astro-E2). IEEE Transactions on Nuclear Science, 2006, 53, 1310-1316.	2.0	10

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127	Micropore x-ray optics using anisotropic wet etching of (110) silicon wafers. Applied Optics, 2006, 45, 8932.	2.1	44
128	X-ray Spectral Study of the Photoionized Stellar Wind in Vela 1. Astrophysical Journal, 2006, 651, 421-437.	4.5	115
129	DIOS: the diffuse intergalactic oxygen surveyor. , 2006, , .		17
130	Spectral Statistics and Local Luminosity Function of a Complete Hard X-Ray Sample of the Brightest Active Galactic Nuclei. Astronomical Journal, 2006, 131, 2843-2858.	4.7	49
131	EURECA: a European-Japanese micro-calorimeter array. , 2006, , .		12
132	Improved PID method of temperature control for adiabatic demagnetization refrigerators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 558, 536-541.	1.6	4
133	Evaluation of 256-pixel TES microcalorimeter arrays with electrodeposited Bi absorbers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 539-541.	1.6	6
134	Evaluation of the IR-UV blocking filters for ADR with a TES microcalorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 471-473.	1.6	2
135	Performance verification of the Suzaku X-ray Spectrometer in the flight configuration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 614-616.	1.6	2
136	Ground calibration of the XRS microcalorimeter onboard Suzaku. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 617-619.	1.6	3
137	First application of a TES microcalorimeter to a thermonuclear fusion plasma experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 760-762.	1.6	2
138	Demonstration of the improved PID method for the accurate temperature control of ADRs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 663-665.	1.6	2
139	Analysis of the Suzaku/XRS background. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 620-622.	1.6	9
140	Properties of vacuum-evaporated bismuth absorber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 432-435.	1.6	6
141	Chandra and XMM-Newton Observations of a Group of Galaxies, HCG 62. Publication of the Astronomical Society of Japan, 2006, 58, 719-742.	2.5	35
142	Soft x-ray measurement of the toroidal pinch experiment RX reversed field pinch plasma using transition edge sensor calorimeter. Review of Scientific Instruments, 2006, 77, 043104.	1.3	6
143	The ASCA Medium Sensitivity Survey (The GIS Catalog Project): Source Catalog II.. Astrophysical Journal, Supplement Series, 2005, 161, 185-223.	7.7	47
144	Detection of 5.5 MeV $\hat{\pm}$ -particles with a Magnetic Calorimeter. Japanese Journal of Applied Physics, 2004, 43, 6477-6478.	1.5	1

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145	High Sensitive X-ray Microcalorimeter Using Bi ²⁰⁸ Au Microabsorber for Imaging Applications. Japanese Journal of Applied Physics, 2004, 43, 1190-1195.	1.5	10
146	ASCA Observations of the Two Nearest Globular Clusters, M 4 and NGC 6397. Publication of the Astronomical Society of Japan, 2004, 56, 453-464.	2.5	1
147	Analyses on the operating point dependence of the energy resolution with a Ti/Au TES microcalorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 277-280.	1.6	3
148	The non-equilibrium response of a high-resolution Ti/Au X-ray microcalorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 300-302.	1.6	1
149	Current dependence of performance of TES microcalorimeters and characteristics of excess noise. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 340-343.	1.6	5
150	TES microcalorimeter development for future Japanese X-ray astronomy missions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 431-434.	1.6	3
151	Thermal and magnetic properties of (Er _x Y _{1-x}) ₃ Al ₅ O ₁₂ for application to ADRs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 634-637.	1.6	1
152	Performance analyses of TES microcalorimeters with mushroom shaped X-ray absorbers made of Sn or Bi. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 452-455.	1.6	4
153	Fabrication of multi-pixel TES microcalorimeters with an electrodeposited Sn absorber and Bi absorber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 456-459.	1.6	3
154	Performance of a bridge-type TES microcalorimeter, excess noise characteristics and dependence of sensitivity on current. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 134-146.	1.6	12
155	Prototype of the high sensitive X-ray microcalorimeter for X-ray imaging. Sensors and Actuators A: Physical, 2004, 114, 171-175.	4.1	1
156	Frequency-domain multiplexing of TES microcalorimeter array with CABBAGE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 566-569.	1.6	3
157	Locating the Warm ⁺ Hot Intergalactic Medium in the Simulated Local Universe. Publication of the Astronomical Society of Japan, 2004, 56, 939-957.	2.5	26
158	Development of a microcalorimeter array for the Diffuse-Intergalactic Oxygen-Surveyor (DIOS) mission. , 2004, , .		7
159	TRACING BRIGHT AND DARK SIDES OF THE UNIVERSE WITH X-RAY OBSERVATIONS. Journal of the Korean Astronomical Society, 2004, 37, 387-392.	1.5	4
160	Development of Bi Electrodeposition Process for Fabricating Microabsorber Array for High Sensitive X-ray Imaging Sensor. Electrochemistry, 2004, 72, 424-426.	1.4	2
161	ASCA study of the X-ray background spectrum I. Observation, analysis and the galactic distribution. Astronomische Nachrichten, 2003, 324, 154-154.	1.2	0
162	ASCA study of the X-ray background spectrum II. Absolute CXB intensity and cosmic variance. Astronomische Nachrichten, 2003, 324, 155-155.	1.2	1

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163	Sn electrodeposition process for fabricating microabsorber arrays for an X-ray microcalorimeter. Journal of Electroanalytical Chemistry, 2003, 559, 143-148.	3.8	12
164	Transition edge X-ray sensors for industrial applications. Physica B: Condensed Matter, 2003, 329-333, 1619-1620.	2.7	0
165	ASCA Observation of Unusually X-Ray-Hard Radio-Quiet QSO Kaz102. Publication of the Astronomical Society of Japan, 2003, 55, L11-L15.	2.5	3
166	Multipixel readout of TES calorimeters. , 2003, , .		1
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