

Noriko Y Yamasaki

List of Publications by Year in Descending Order

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

278
papers

6,626
citations

40
h-index

72
g-index

307
ext. papers

7,215
ext. citations

2.9
avg, IF

4.9
L-index

#	Paper	IF	Citations
278	Spatial Power Spectral Analysis of the Suzaku X-Ray Background. <i>Astrophysical Journal</i> , 2022 , 929, 128	4.7	
277	Lifetime test of the 4K Joule-Thomson cryocooler. <i>Cryogenics</i> , 2021 , 116, 103306	1.8	2
276	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 1107-1117	1.3	43
275	A search for a contribution from axion-like particles to the X-ray diffuse background utilizing the Earth's magnetic field. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020 , 2020, 011-011	6.4	
274	A Concept Design of TES X-ray Microcalorimeter Array with Different Thickness Absorber Toward the Observation from 50 eV to 15 keV for STEM-EDS. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 908-915	1.3	0
273	Optimized TES Microcalorimeters with 14 eV Energy Resolution at 30 keV for X-Ray Measurements of the ²²⁹ Th Isomer. <i>Journal of Low Temperature Physics</i> , 2020 , 200, 452-460	1.3	1
272	Broadband, millimeter-wave anti-reflective structures on sapphire ablated with femto-second laser. <i>Journal of Applied Physics</i> , 2020 , 128, 225302	2.5	5
271	Development of TES Microcalorimeters with Solar-Axion Converter. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 654-662	1.3	1
270	Low-noise microwave SQUID multiplexed readout of 38 x-ray transition-edge sensor microcalorimeters. <i>Applied Physics Letters</i> , 2020 , 117, 122601	3.4	7
269	Cooling capability of JT coolers during the cool-down phase for space science missions. <i>Cryogenics</i> , 2020 , 109, 103094	1.8	0
268	ATHENA X-IFU 300 K-300 mK cryochain test results. <i>Cryogenics</i> , 2020 , 112, 103144	1.8	2
267	Improvement of micro-vibration of a two-stage Stirling cryocooler. <i>Cryogenics</i> , 2020 , 111, 103133	1.8	2
266	LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection. <i>Journal of Low Temperature Physics</i> , 2019 , 194, 443-452	1.3	115
265	Construction of Response Function of TES X-ray Microcalorimeter for STEM-EDS. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	1
264	. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	3
263	Development of a Dielectric Microcalorimeter with Quantum Ferroelectric Materials. <i>Journal of Low Temperature Physics</i> , 2019 , 194, 418-425	1.3	
262	An X-ray spectroscopic search for dark matter and unidentified line signatures in the Perseus cluster with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	5

261	Cooling performance of Joule Thomson coolers in 300 K -50 mK cryochain demonstration for ATHENA X-IFU. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 502, 012069	0.4	2
260	Energy of the ^{229}Th Nuclear Clock Isomer Determined by Absolute γ -ray Energy Difference. <i>Physical Review Letters</i> , 2019 , 123, 222501	7.4	20
259	Simulation Model of Transmitted X-Rays in Polycapillary Optics for TES Microcalorimeter EDS System on Scanning Transmission Electron Microscope. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 758-765	1.7	6
258	Resolve Instrument on X-ray Astronomy Recovery Mission (XARM). <i>Journal of Low Temperature Physics</i> , 2018 , 193, 991-995	1.3	14
257	In-orbit performance of a helium dewar for the soft X-ray spectrometer onboard ASTRO-H. <i>Cryogenics</i> , 2018 , 91, 27-35	1.8	9
256	ATHENA X-IFU 300 K-50 mK cryochain demonstrator cryostat. <i>Cryogenics</i> , 2018 , 89, 85-94	1.8	8
255	Spatial Distribution of the Milky Way Hot Gaseous Halo Constrained by Suzaku X-Ray Observations. <i>Astrophysical Journal</i> , 2018 , 862, 34	4.7	35
254	Hitomi X-ray observation of the pulsar wind nebula G21.50-9. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	5
253	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1048-1056	1.3	68
252	Super DIOS: Future X-ray Spectroscopic Mission to Search for Dark Baryons. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1016-1023	1.3	4
251	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 841-850	1.3	3
250	Vibration isolation system for cryocoolers of soft x-ray spectrometer on-board ASTRO-H (Hitomi). <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	6
249	Hitomi (ASTRO-H) X-ray Astronomy Satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	34
248	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	11
247	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	1.1	2
246	Concept of the X-ray Astronomy Recovery Mission 2018 ,		49
245	The ATHENA x-ray integral field unit (X-IFU) 2018 ,		65
244	Concept design of the LiteBIRD satellite for CMB B-mode polarization 2018 ,		15

243	Design, implementation, and performance of the Astro-H soft x-ray spectrometer aperture assembly and blocking filters. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	3
242	Super DIOS: future x-ray spectroscopic mission to search for dark baryons 2018 ,		2
241	Atomic data and spectral modeling constraints from high-resolution X-ray observations of the Perseus cluster with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	21
240	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,	3.2	12
239	Readout of X-ray Pulses from a Single-pixel TES Microcalorimeter with Microwave Multiplexer Based on SQUIDs Directly Coupled to Resonators. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 618-625	1.3	5
238	An X-ray TES Detector Head Assembly for a STEMEDS System and Its Performance. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1282-1286	1.3	2
237	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,	3.2	1
236	In-flight calibration of Hitomi Soft X-ray Spectrometer. (1) Background. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	9
235	Hitomi observations of the LMC SNR N 132 D: Highly redshifted X-ray emission from iron ejecta*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	3
234	Glimpse of the highly obscured HMXB IGR J16318-848 with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	3
233	Hitomi X-ray studies of Giant Radio Pulses from the Crab pulsar. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	4
232	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	16
231	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	40
230	Hitomi observation of radio galaxy NGC 1275: The first X-ray microcalorimeter spectroscopy of Fe-K α emission from an active galactic nucleus*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	15
229	Temperature structure in the Perseus cluster core observed with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	10
228	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. <i>Astrophysical Journal Letters</i> , 2017 , 837, L15	7.9	68
227	. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	4
226	Outgas analysis of mechanical cryocoolers for long lifetime. <i>Cryogenics</i> , 2017 , 88, 70-77	1.8	8

225	Solar abundance ratios of the iron-peak elements in the Perseus cluster. <i>Nature</i> , 2017 , 551, 478-480	50.4	52
224	Cryogen free cooling of ASTRO-H SXS Helium Dewar from 300 K to 4 K. <i>Cryogenics</i> , 2017 , 88, 143-146	1.8	7
223	Adjustable SQUID-resonator direct coupling in microwave SQUID multiplexer for TES microcalorimeter array. <i>IEICE Electronics Express</i> , 2017 , 14, 20170271-20170271	0.5	9
222	Calibration sources and filters of the soft x-ray spectrometer instrument on the Hitomi spacecraft. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2017 , 4, 1	1.1	11
221	In-orbit operation of the soft x-ray spectrometer onboard the Hitomi satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2017 , 4, 1	1.1	2
220	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	1.1	6
219	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	1.1	
218	Vibration isolation system for cryocoolers of Soft X-ray Spectrometer (SXS) onboard ASTRO-H (Hitomi) 2016 ,		7
217	The Astro-H high resolution soft x-ray spectrometer 2016 ,		42
216	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer 2016 ,		9
215	Thermal analyses for initial operations of the Soft X-Ray Spectrometer (SXS) onboard ASTRO-H 2016 ,		6
214	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer 2016 ,		8
213	LiteBIRD: lite satellite for the study of B-mode polarization and inflation from cosmic microwave background radiation detection 2016 ,		16
212	The ASTRO-H (Hitomi) x-ray astronomy satellite 2016 ,		36
211	Future Japanese X-ray TES Calorimeter Satellite: DIOS (Diffuse Intergalactic Oxygen Surveyor). <i>Journal of Low Temperature Physics</i> , 2016 , 184, 688-693	1.3	6
210	Common Bias Readout for TES Array on Scanning Transmission Electron Microscope. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 454-459	1.3	2
209	The Design and Characterization of Dielectric Microcalorimeters for X-ray Photon Detection. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 250-256	1.3	
208	Design and Performance of a TES X-ray Microcalorimeter Array for Energy Dispersive Spectroscopy on Scanning Transmission Electron Microscope. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 91-96	1.3	14

207	Flight model performance test results of a helium dewar for the soft X-ray spectrometer onboard ASTRO-H. <i>Cryogenics</i> , 2016 , 74, 10-16	1.8	14
206	LiteBIRD: Mission Overview and Focal Plane Layout. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 824-831		58
205	Development of 1K-class Joule-Thomson cryocooler for next-generation astronomical mission. <i>Cryogenics</i> , 2016 , 74, 47-54	1.8	13
204	A search for a keV signature of radiatively decaying dark matter with Suzaku XIS observations of the X-ray diffuse background. <i>Publication of the Astronomical Society of Japan</i> , 2016 , 68, S31	3.2	35
203	The design, implementation, and performance of the Astro-H SXS aperture assembly and blocking filters 2016 ,		9
202	DIOS: the dark baryon exploring mission 2016 ,		4
201	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016 , 535, 117-21	50.4	266
200	In-orbit operation of the ASTRO-H SXS 2016 ,		12
199	Preliminary thermal architecture of the X-IFU instrument dewar 2016 ,		2
198	The Athena X-ray Integral Field Unit (X-IFU) 2016 ,		64
197	Calibration of the microcalorimeter spectrometer on-board the Hitomi (Astro-H) observatory (invited). <i>Review of Scientific Instruments</i> , 2016 , 87, 11D503	1.7	
196	Performance of the helium dewar and cryocoolers of ASTRO-H SXS 2016 ,		11
195	Development of Frequency-Division Multiplexing Readout System for Large-Format TES X-ray Microcalorimeter Arrays. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 519-526	1.3	5
194	Study of Multilayer X-ray Absorbers to Improve Detection Efficiency of TES X-ray Microcalorimeter Arrays. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 257-262	1.3	2
193	Development of Compact Dry 3He-4He Dilution Refrigerator for Transition Edge Sensor Microcalorimeter X-ray Detector Operation on Electron Microscopes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 1161-1165	1.5	4
192	Development of Low-Power dc-SQUIDs for TES Frequency-Division Multiplexing Readout Towards Future Space Missions 2015 ,		1
191	An X-ray spectroscopic search for dark matter in the Perseus cluster with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2015 , 67,	3.2	41
190	Dielectric Resonators as Radiation Detectors at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 2015 , 181, 59-67	1.3	2

189	Three-Dimensionally Assembled TES X-ray Microcalorimeter Arrays for a TEM EDS System. <i>IEICE Transactions on Electronics</i> , 2015 , E98.C, 186-191	0.4	1
188	X-Ray Transmission Characteristic Measurements of Polycapillary Optics Installed in an Analytical Electron Microscope. <i>IEEE Transactions on Nuclear Science</i> , 2015 , 62, 1918-1922	1.7	4
187	Performance of Frequency Division Multiplexing Readout System for AC-Biased Transition-Edge Sensor X-ray Microcalorimeters. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 453-458	1.3	2
186	Development of 4-Pixel-Array TES Microcalorimeters with Mushroom-Shaped Absorbers with Insulating Layers Supporting Overhang Regions. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 578-583 ^{1,3}	1.3	2
185	Mission Design of LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 733-740	1.3	241
184	A dry ³ He- ⁴ He dilution refrigerator for a transition edge sensor microcalorimeter spectrometer system mounted on a transmission electron microscope. <i>Cryogenics</i> , 2014 , 61, 86-91	1.8	7
183	Development status of the mechanical cryocoolers for the Soft X-ray Spectrometer on board Astro-H. <i>Cryogenics</i> , 2014 , 64, 182-188	1.8	28
182	The ASTRO-H X-ray astronomy satellite 2014 ,		40
181	Soft x-ray spectrometer (SXS): the high-resolution cryogenic spectrometer onboard ASTRO-H 2014 ,		20
180	O i fluorescent line contamination in soft X-ray diffuse background obtained with Suzaku/XIS. <i>Publication of the Astronomical Society of Japan</i> , 2014 , 66, L3	3.2	18
179	DIOS: the dark baryon exploring mission 2014 ,		1
178	LiteBIRD: mission overview and design tradeoffs 2014 ,		3
177	EXPLORING HOT GAS AT JUNCTIONS OF GALAXY FILAMENTS WITHSUZAKU. <i>Astrophysical Journal</i> , 2014 , 783, 137	4.7	2
176	Temperature and entropy profiles to the virial radius of the Abell 1246 cluster observed with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2014 , 66,	3.2	7
175	GAS BULK MOTION IN THE PERSEUS CLUSTER MEASURED WITHSUZAKU. <i>Astrophysical Journal</i> , 2014 , 782, 38	4.7	20
174	Structual study of Galactic hot gas toward Markarian421 from X-ray absorption and emission lines. <i>Publication of the Astronomical Society of Japan</i> , 2014 , 66, 83	3.2	13
173	Radiation Tolerance Evaluation of the Ti/Au Bilayer TES Microcalorimeter. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 344-349	1.3	5
172	Baseband Feedback Frequency-Division Multiplexing with Low-Power dc-SQUIDs and Digital Electronics for TES X-Ray Microcalorimeters. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 400-407	1.3	14

171	Long-Term Variability of the O VII Line Intensity toward the Lockman Hole Observed with Suzaku from 2006 to 2011. <i>Publication of the Astronomical Society of Japan</i> , 2013 , 65, 32	3.2	8
170	An X-Ray Study of the Galactic-Scale Starburst-Driven Outflow in NGC 253. <i>Publication of the Astronomical Society of Japan</i> , 2013 , 65, 44	3.2	9
169	Development of mechanical cryocoolers for the cooling system of the Soft X-ray Spectrometer onboard Astro-H. <i>Cryogenics</i> , 2012 , 52, 158-164	1.8	14
168	ORIGIN: metal creation and evolution from the cosmic dawn. <i>Experimental Astronomy</i> , 2012 , 34, 519-549	1.3	6
167	Novel ultra-lightweight and high-resolution MEMS X-ray optics for space astronomy. <i>Sensors and Actuators A: Physical</i> , 2012 , 188, 411-416	3.9	10
166	The x-ray microcalorimeter spectrometer onboard Athena 2012 ,		9
165	The ASTRO-H X-ray Observatory 2012 ,		54
164	Calibration sources for the soft x-ray spectrometer instrument on ASTRO-H 2012 ,		6
163	Status of the Diffuse Intergalactic Oxygen Surveyor (DIOS) 2012 ,		5
162	Suzaku observations of charge exchange emission from solar system objects. <i>Astronomische Nachrichten</i> , 2012 , 333, 319-323	0.7	1
161	Development of a TES Microcalorimeter with a Mushroom Shaped Absorber Deposited on an Insulating Layer in an Overhang Region. <i>Journal of Low Temperature Physics</i> , 2012 , 167, 226-231	1.3	2
160	The High-Resolution X-Ray Microcalorimeter Spectrometer, SXS, on Astro-H. <i>Journal of Low Temperature Physics</i> , 2012 , 167, 795-802	1.3	18
159	Development of Dielectric X-Ray Microcalorimeter. <i>Journal of Low Temperature Physics</i> , 2012 , 167, 435-441	1.3	2
158	TEM-EDS with Breakthroughs in 3D Wiring and High-Speed Processing. <i>Journal of Low Temperature Physics</i> , 2012 , 167, 759-764	1.3	3
157	Search for X-Ray Emission Associated with the Shapley Supercluster with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2012 , 64, 18	3.2	16
156	LiteBIRD: a small satellite for the study of B-mode polarization and inflation from cosmic background radiation detection 2012 ,		39
155	Fe K LINE COMPLEX IN THE NUCLEAR REGION OF NGC 253. <i>Astrophysical Journal Letters</i> , 2011 , 742, L31	7.9	13
154	Solar system planets observed with Suzaku. <i>Advances in Space Research</i> , 2011 , 47, 411-418	2.4	5

153	An X-Ray Spectroscopic Study of the Hot Interstellar Medium toward the Galactic Bulge. <i>Publication of the Astronomical Society of Japan</i> , 2011 , 63, S889-S901	3.2	10
152	Study of the Intracluster and Intergalactic Medium in the Sculptor Supercluster with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 1423-1433	3.2	9
151	Metallicity of the Fossil Group NGC 1550 Observed with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 1445-1454	3.2	17
150	Microcalorimeter-type energy dispersive X-ray spectrometer for a transmission electron microscope. <i>Journal of Electron Microscopy</i> , 2010 , 59, 17-26		25
149	Time Variability of the Geocoronal Solar-Wind Charge Exchange in the Direction of the Celestial Equator. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 981-986	3.2	24
148	The high-resolution x-ray microcalorimeter spectrometer system for the SXS on ASTRO-H 2010 ,		37
147	X-Ray Spectroscopy of Galactic Hot Gas along the PKS 2155-\$-\$304 Sight Line. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 723-733	3.2	33
146	Evaluation of the soft x-ray reflectivity of micropore optics using anisotropic wet etching of silicon wafers. <i>Applied Optics</i> , 2010 , 49, 1007-11	0.2	9
145	Development of an alternating magnetic-field-assisted finishing process for microelectromechanical systems micropore x-ray optics. <i>Applied Optics</i> , 2010 , 49, 3511-21	0.2	10
144	The Monte Carlo simulation framework of the ASTRO-H X-ray Observatory 2010 ,		3
143	The x-ray microcalorimeter spectrometer onboard of IXO 2010 ,		7
142	Cooling system for the soft x-ray spectrometer (SXS) onboard ASTRO-H 2010 ,		5
141	Filters and calibration sources for the soft x-ray spectrometer (SXS) instrument on ASTRO-H 2010 ,		8
140	DIOS: the diffuse intergalactic oxygen surveyor: status and prospects 2010 ,		10
139	The ASTRO-H Mission 2010 ,		98
138	The detector subsystem for the SXS instrument on the ASTRO-H Observatory 2010 ,		12
137	Magnetic field-assisted finishing for micropore X-ray focusing mirrors fabricated by deep reactive ion etching. <i>CIRP Annals - Manufacturing Technology</i> , 2010 , 59, 351-354	4.9	21
136	Ultra light-weight and high-resolution X-ray mirrors using DRIE and X-ray LIGA techniques for space X-ray telescopes. <i>Microsystem Technologies</i> , 2010 , 16, 1633-1641	1.7	31

135	Optical Image Analysis of the Novel Ultra-Lightweight and High-Resolution MEMS X-Ray Optics. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 1309-1312	2	8
134	Cooling system for the soft X-ray spectrometer onboard Astro-H. <i>Cryogenics</i> , 2010 , 50, 488-493	1.8	20
133	Development of double-stage ADR for future space missions. <i>Cryogenics</i> , 2010 , 50, 597-602	1.8	6
132	X-RAY AND ULTRAVIOLET SPECTROSCOPY OF GALACTIC DIFFUSE HOT GAS ALONG THE LARGE MAGELLANIC CLOUD X-3 SIGHT LINE. <i>Astrophysical Journal</i> , 2009 , 690, 143-153	4.7	50
131	Optimization of Structure of Large Format TES Arrays. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 456-459	1.8	1
130	Origin of Thermal and Non-Thermal Hard X-Ray Emission from the Galactic Center. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, 1099-1105	3.2	11
129	Energy Spectra of the Soft X-Ray Diffuse Emission in Fourteen Fields Observed with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, 805-823	3.2	118
128	Particle Propagation in the Galactic Center and Spatial Distribution of Non-Thermal X-Rays. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, 1093-1098	3.2	7
127	The Nature of Unresolved Soft X-Ray Emission from the Galactic Disk. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, S115-S122	3.2	40
126	Iron Emission Lines on the Galactic Ridge Observed with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, S225-S232	3.2	29
125	X-Ray Halo around the Spiral Galaxy NGC 4631 Observed with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, S291-S298	3.2	34
124	SQUID multiplexing using baseband feedback for space application of transition-edge sensor microcalorimeters. <i>Superconductor Science and Technology</i> , 2009 , 22, 114008	3.1	8
123	Origin of 6.4 keV Line Emission from Molecular Clouds in the Galactic Center. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, 901-907	3.2	36
122	Suzaku Observation of Group of Galaxies NGC 507: Temperature and Metal Distributions in the Intra-Cluster Medium. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, S353-S363	3.2	29
121	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. <i>Experimental Astronomy</i> , 2009 , 23, 67-89	1.3	17
120	Development of an energy dispersive spectrometer for a transmission electron microscope utilizing a TES microcalorimeter array 2009 ,		4
119	Impedance measurement and excess-noise behavior of a Ti/Au bilayer TES calorimeter 2009 ,		11
118	Magnetic field assisted finishing of ultra-lightweight and high-resolution MEMS x-ray micro-pore optics 2009 ,		7

117	The X-Ray Microcalorimeter Spectrometer for the International X-Ray Observatory 2009 ,		6
116	Large Arrays of TES X-ray Microcalorimeters for Dark Baryon Search 2009 ,		8
115	Novel ultra-lightweight and high-resolution MEMS x-ray optics 2009 ,		6
114	Suzaku Observations of the Cluster of Galaxies Abell 2052. <i>Publication of the Astronomical Society of Japan</i> , 2008 , 60, 695-705	3.2	7
113	Suzaku Observation of HCG 62: Temperature, Abundance, and Extended Hard X-Ray Emission Profiles. <i>Publication of the Astronomical Society of Japan</i> , 2008 , 60, S317-S331	3.2	20
112	Suzaku Observations of the North Polar Spur: Evidence for Nitrogen Enhancement. <i>Publication of the Astronomical Society of Japan</i> , 2008 , 60, S95-S106	3.2	37
111	Suzaku Observations of AWM 7 Cluster of Galaxies: Temperatures, Abundances, and Bulk Motions. <i>Publication of the Astronomical Society of Japan</i> , 2008 , 60, S333-S342	3.2	46
110	Design of the two-stage series adiabatic demagnetization refrigerator for the NeXT and Spectrum-RG missions 2008 ,		2
109	Design and fabrication of TES microcalorimeters for x-ray astrophysics in Japan 2008 ,		3
108	EURECA: a European-Japanese microcalorimeter array 2008 ,		3
107	The NeXT Mission 2008 ,		23
106	The Lack of Strong O-Line Excess in the Coma Cluster Outskirts from Suzaku. <i>Astrophysical Journal</i> , 2008 , 680, 1049-1052	4.7	15
105	The Noise and Energy Resolution of the Ti/Au Bilayer X-ray TES Calorimeter with an Au Absorber. <i>Journal of Low Temperature Physics</i> , 2008 , 151, 185-189	1.3	4
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