

Noriko Y Yamasaki

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72
g-index

307
ext. papers

7,215
ext. citations

2.9
avg, IF

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L-index

#	Paper	IF	Citations
278	The X-Ray Observatory Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S1-S7	3.2	551
277	Monte Carlo Simulator and Ancillary Response Generator of Suzaku XRT/XIS System for Spatially Extended Source Analysis. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S113-S132	3.2	357
276	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016 , 535, 117-21	50.4	266
275	Mission Design of LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 733-740	1.3	241
274	[ITAL]ASCA[/ITAL] Observation of an X-Ray/TeV Flare from the BL Lacertae Object Markarian 421. <i>Astrophysical Journal</i> , 1996 , 470, L89-L92	4.7	195
273	Study of the X-Ray Background Spectrum and Its Large-Scale Fluctuation with ASCA. <i>Publication of the Astronomical Society of Japan</i> , 2002 , 54, 327-352	3.2	191
272	In-Orbit Performance of the Gas Imaging Spectrometer onboard ASCA. <i>Publication of the Astronomical Society of Japan</i> , 1996 , 48, 171-189	3.2	176
271	Evidence for Solar-Wind Charge-Exchange X-Ray Emission from the Earth's Magnetosheath. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S133-S140	3.2	144
270	Iron and Nickel Line Diagnostics for the Galactic Center Diffuse Emission. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S245-S255	3.2	123
269	Complex Spectra of the Galactic Ridge X-Rays Observed with ASCA. <i>Astrophysical Journal</i> , 1997 , 491, 638-652	4.7	122
268	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
267	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
266	The ASTRO-H Mission 2010 ,		98
265	The Suzaku High Resolution X-Ray Spectrometer. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S77-S112	3.2	92
264	Exploratory ASCA Observations of Broad Absorption Line Quasi-stellar Objects. <i>Astrophysical Journal</i> , 1999 , 519, 549-555	4.7	91
263	Hard X-ray emission from the Galactic ridge. <i>Astronomy and Astrophysics</i> , 2007 , 463, 957-967	5.1	80
262	Suzaku Observations of the Local and Distant Hot ISM. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S141-S150	3.2	77

261	Greatly Extended X-Ray Emission around the Elliptical Galaxy NGC 4636 Observed with [ITAL]ASCA[/ITAL]. <i>Astrophysical Journal</i> , 1998 , 499, L13-L16	4.7	71
260	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. <i>Astrophysical Journal Letters</i> , 2017 , 837, L15	7.9	68
259	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. <i>Journal of Low Temperature Physics</i> , 2018 , 193, 1048-1056	1.3	68
258	The ATHENA x-ray integral field unit (X-IFU) 2018 ,		65
257	The Athena X-ray Integral Field Unit (X-IFU) 2016 ,		64
256	Discovery of a Large-scale Abundance Gradient in the Cluster of Galaxies AWM 7 with [ITAL]ASCA[/ITAL]. <i>Astrophysical Journal</i> , 1997 , 490, L33-L36	4.7	63
255	Temperature Map of the Virgo Cluster of Galaxies Observed withASCA. <i>Astrophysical Journal</i> , 2001 , 549, 228-243	4.7	61
254	LiteBIRD: Mission Overview and Focal Plane Layout. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 824-831		58
253	The ASTRO-H X-ray Observatory 2012 ,		54
252	X-Ray Study of Temperature and Abundance Profiles of the Cluster of Galaxies Abell 1060 with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, 299-317	3.2	53
251	Solar abundance ratios of the iron-peak elements in the Perseus cluster. <i>Nature</i> , 2017 , 551, 478-480	50.4	52
250	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
249	Detectability of the Warm/Hot Intergalactic Medium through Emission Lines of O VII and O VIII. <i>Publication of the Astronomical Society of Japan</i> , 2003 , 55, 879-890	3.2	50
248	Hard X-Ray Emission from the Galactic Ridge. <i>Astrophysical Journal</i> , 1997 , 481, 821-831	4.7	49
247	Type Ia and II Supernovae Contributions to Metal Enrichment in the Intracluster Medium Observed with Suzaku. <i>Astrophysical Journal</i> , 2007 , 667, L41-L44	4.7	49
246	Concept of the X-ray Astronomy Recovery Mission 2018 ,		49
245	Suzaku Observation of the Metallicity Distribution in the Intracluster Medium of the Fornax Cluster. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S327-S338	3.2	48
244	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

243	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 1107-1117	1-3	43
242	The Astro-H high resolution soft x-ray spectrometer 2016 ,		42
241	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
240	The ASTRO-H X-ray astronomy satellite 2014 ,		40
239	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
238	New Measurement of Metal Abundance in the Elliptical Galaxy NGC 4636 with [ITAL]ASCA[/ITAL]. <i>Astrophysical Journal</i> , 1997 , 488, L125-L128	4-7	40
237	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	40
236	LiteBIRD: a small satellite for the study of B-mode polarization and inflation from cosmic background radiation detection 2012 ,		39
235	The high-resolution x-ray microcalorimeter spectrometer system for the SXS on ASTRO-H 2010 ,		37
234	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
233	The ASTRO-H (Hitomi) x-ray astronomy satellite 2016 ,		36
232	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
231	X-Ray Spectral Study of the Extended Emission, the Cap Located 11.6 kpc above the Disk of M82. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S269-S282	3-2	36
230	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
229	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
228	Chandra and XMM-Newton Observations of a Group of Galaxies, HCG 62. <i>Publication of the Astronomical Society of Japan</i> , 2006 , 58, 719-742	3-2	35
227	Detailed XMM-Newton Observation of the Cluster of Galaxies Abell 1060. <i>Publication of the Astronomical Society of Japan</i> , 2006 , 58, 695-702	3-2	35
226	Detection of Highly Ionized O and Ne Absorption Lines in the X-Ray Spectrum of 4U 1820B03 in the Globular Cluster NGC 6624. <i>Astrophysical Journal</i> , 2004 , 605, 793-799	4-7	35

225	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
224	Hitomi (ASTRO-H) X-ray Astronomy Satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	34
223	X-Ray Spectroscopy of Galactic Hot Gas along the PKS 2155 δ - δ 304 Sight Line. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 723-733	3.2	33
222	Metal Abundance of an X-Ray Emitting Gas in Two Groups of Galaxies: The NGC 5044 Group and HCG 51. <i>Publication of the Astronomical Society of Japan</i> , 1996 , 48, 395-407	3.2	33
221	Inhomogeneity in the Hot Intracluster Medium of Abell 1060 Observed with Chandra. <i>Publication of the Astronomical Society of Japan</i> , 2004 , 56, 743-752	3.2	32
220	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
219	Unresolved X-Ray Emission from the Galactic Ridge with ASCA. <i>Publication of the Astronomical Society of Japan</i> , 1996 , 48, L15-L20	3.2	31
218	ASCA Temperature Maps of Three Clusters of Galaxies: Abell 1060, AWM 7, and the Centaurus Cluster. <i>Publication of the Astronomical Society of Japan</i> , 2001 , 53, 421-432	3.2	31
217	Chandra Observation of the Central Galaxies in the A1060 Cluster of Galaxies. <i>Astrophysical Journal</i> , 2002 , 578, 833-841	4.7	31
216	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
215	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
214	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
213	Probing Warm-Hot Intergalactic Medium Associated with the Virgo Cluster Using an Oxygen Absorption Line. <i>Publication of the Astronomical Society of Japan</i> , 2004 , 56, L29-L34	3.2	27
212	ASCA Measurements of Metallicity and Temperature Distributions in Three Clusters: A4059, MKW 3s, and 2A 0335+096. <i>Publication of the Astronomical Society of Japan</i> , 1999 , 51, 301-315	3.2	27
211	Microcalorimeter-type energy dispersive X-ray spectrometer for a transmission electron microscope. <i>Journal of Electron Microscopy</i> , 2010 , 59, 17-26		25
210	Locating the Warm-Hot Intergalactic Medium in the Simulated Local Universe. <i>Publication of the Astronomical Society of Japan</i> , 2004 , 56, 939-957	3.2	25
209	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
208	Chandra Observation of the Core of the Galaxy Cluster AWM 7. <i>Astrophysical Journal</i> , 2003 , 596, 181-189	4.7	24

207	The NeXT Mission 2008 ,		23
206	Temperature Map of the Perseus Cluster of Galaxies Observed with [ITAL]ASCA[/ITAL]. <i>Astrophysical Journal</i> , 2001 , 561, L165-L169	4.7	23
205	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
204	ASCA Observations of the Temperature Structure and Metal Distribution in the Perseus Cluster of Galaxies. <i>Publication of the Astronomical Society of Japan</i> , 2001 , 53, 595-604	3.2	21
203	Observation of pulsed hard X-rays/gamma-rays from PSR 1509-58. <i>Astrophysical Journal</i> , 1994 , 428, 284	4.7	21
202	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
201	Soft x-ray spectrometer (SXS): the high-resolution cryogenic spectrometer onboard ASTRO-H 2014 ,		20
200	GAS BULK MOTION IN THE PERSEUS CLUSTER MEASURED WITH Suzaku. <i>Astrophysical Journal</i> , 2014 , 782, 38	4.7	20
199	Cooling system for the soft X-ray spectrometer onboard Astro-H. <i>Cryogenics</i> , 2010 , 50, 488-493	1.8	20
198	X-Ray/Soft Gamma-Ray Observation of Centaurus A and Its Implication on the Emission Mechanism. <i>Publication of the Astronomical Society of Japan</i> , 1996 , 48, 801-811	3.2	20
197	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
196	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
195	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
194	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
193	Soft X-Ray Transmission Spectroscopy of a Warm/Hot Intergalactic Medium with XEUS. <i>Publication of the Astronomical Society of Japan</i> , 2006 , 58, 657-672	3.2	18
192	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
191	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. <i>Experimental Astronomy</i> , 2009 , 23, 67-89	1.3	17
190	Erbium-doped yttrium aluminum garnet as a magnetic refrigerant for low temperature x-ray detectors. <i>Journal of Applied Physics</i> , 2001 , 90, 5812-5818	2.5	17

189	LiteBIRD: lite satellite for the study of B-mode polarization and inflation from cosmic microwave background radiation detection 2016 ,		16
188	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
187	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
186	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
185	Search for Oxygen Emission from Warm-Hot Intergalactic Medium around A2218 with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2007 , 59, S339-S349	3.2	15
184	XMM-Newton Observation of IC 310 in the Outer Region of the Perseus Cluster of Galaxies. <i>Publication of the Astronomical Society of Japan</i> , 2005 , 57, 743-749	3.2	15
183	. <i>IEEE Transactions on Nuclear Science</i> , 1993 , 40, 890-898	1.7	15
182	. <i>IEEE Transactions on Nuclear Science</i> , 1993 , 40, 204-207	1.7	15
181	Concept design of the LiteBIRD satellite for CMB B-mode polarization 2018 ,		15
180	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
179	Resolve Instrument on X-ray Astronomy Recovery Mission (XARM). <i>Journal of Low Temperature Physics</i> , 2018 , 193, 991-995	1.3	14
178	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
177	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
176	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
175	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
174	Development of 1K-class Joule-Thomson cryocooler for next-generation astronomical mission. <i>Cryogenics</i> , 2016 , 74, 47-54	1.8	13
173	Structural study of Galactic hot gas toward Markarian 421 from X-ray absorption and emission lines. <i>Publication of the Astronomical Society of Japan</i> , 2014 , 66, 83	3.2	13
172	Fe K LINE COMPLEX IN THE NUCLEAR REGION OF NGC 253. <i>Astrophysical Journal Letters</i> , 2011 , 742, L31	7.9	13

171	The detector subsystem for the SXS instrument on the ASTRO-H Observatory 2010 ,		12
170	DIOS: the diffuse intergalactic oxygen surveyor 2006 ,		12
169	Detection of an X-Ray Hot Region in the Virgo Cluster of Galaxies with ASCA. <i>Astrophysical Journal</i> , 2000 , 531, L95-L98	4.7	12
168	In-orbit operation of the ASTRO-H SXS 2016 ,		12
167	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
166	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
165	Impedance measurement and excess-noise behavior of a Ti/Au bilayer TES calorimeter 2009 ,		11
164	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
163	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
162	Performance of the helium dewar and cryocoolers of ASTRO-H SXS 2016 ,		11
161	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
160	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
159	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
158	DIOS: the diffuse intergalactic oxygen surveyor: status and prospects 2010 ,		10
157	EURECA: a European-Japanese micro-calorimeter array 2006 ,		10
156	Performance of a bridge-type TES microcalorimeter, excess noise characteristics and dependence of sensitivity on current. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 523, 134-146	1.2	10
155	Temperature structure in the Perseus cluster core observed with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	10
154	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

153	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer 2016 ,		9
152	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
151	The x-ray microcalorimeter spectrometer onboard Athena 2012 ,		9
150	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
149	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
148	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
147	Present performance of a single pixel Ti/Au bilayer TES calorimeter 2003 , 4851, 831		9
146	The design, implementation, and performance of the Astro-H SXS aperture assembly and blocking filters 2016 ,		9
145	A limit on the Co-57 gamma-ray flux from SN 1987A. <i>Astrophysical Journal</i> , 1992 , 397, L83	4.7	9
144	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
143	Outgas analysis of mechanical cryocoolers for long lifetime. <i>Cryogenics</i> , 2017 , 88, 70-77	1.8	8
142	ATHENA X-IFU 300 K-50 mK cryochain demonstrator cryostat. <i>Cryogenics</i> , 2018 , 89, 85-94	1.8	8
141	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer 2016 ,		8
140	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
139	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
138	Large Arrays of TES X-ray Microcalorimeters for Dark Baryon Search 2009 ,		8
137	Filters and calibration sources for the soft x-ray spectrometer (SXS) instrument on ASTRO-H 2010 ,		8
136	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

135	Vibration isolation system for cryocoolers of Soft X-ray Spectrometer (SXS) onboard ASTRO-H (Hitomi) 2016 ,		7
134	A dry $^3\text{He}/^4\text{He}$ 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
133	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
132	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
131	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
130	Magnetic field assisted finishing of ultra-lightweight and high-resolution MEMS x-ray micro-pore optics 2009 ,		7
129	The x-ray microcalorimeter spectrometer onboard of IXO 2010 ,		7
128	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
127	High Sensitive X-ray Microcalorimeter Using BiAu Microabsorber for Imaging Applications. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 1190-1195	1.4	7
126	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
125	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
124	Thermal analyses for initial operations of the Soft X-Ray Spectrometer (SXS) onboard ASTRO-H 2016 ,		6
123	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
122	ORIGIN: metal creation and evolution from the cosmic dawn. <i>Experimental Astronomy</i> , 2012 , 34, 519-549	1.3	6
121	Calibration sources for the soft x-ray spectrometer instrument on ASTRO-H 2012 ,		6
120	The X-Ray Microcalorimeter Spectrometer for the International X-Ray Observatory 2009 ,		6
119	Novel ultra-lightweight and high-resolution MEMS x-ray optics 2009 ,		6
118	Development of double-stage ADR for future space missions. <i>Cryogenics</i> , 2010 , 50, 597-602	1.8	6

117	EURECA: European-Japanese Microcalorimeter Array. <i>Journal of Low Temperature Physics</i> , 2008 , 151, 733-739	1.3	6
116	. <i>IEEE Transactions on Nuclear Science</i> , 1992 , 39, 1316-1320	1.7	6
115	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
114	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
113	The x-ray microcalorimeter on the NeXT mission 2008 ,		6
112	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
111	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
110	Radiation Tolerance Evaluation of the Ti/Au Bilayer TES Microcalorimeter. <i>Journal of Low Temperature Physics</i> , 2014 , 176, 344-349	1.3	5
109	Status of the Diffuse Intergalactic Oxygen Surveyor (DIOS) 2012 ,		5
108	Solar system planets observed with Suzaku. <i>Advances in Space Research</i> , 2011 , 47, 411-418	2.4	5
107	Cooling system for the soft x-ray spectrometer (SXS) onboard ASTRO-H 2010 ,		5
106	Observations of the high-redshift quasar Q1745 + 624 ($z = 3.9$) with ASCA. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997 , 287, 328-332	4.3	5
105	Evaluation of 256-pixel TES microcalorimeter arrays with electrodeposited Bi absorbers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 559, 539-541	1.2	5
104	Current dependence of performance of TES microcalorimeters and characteristics of excess noise. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 520, 340-343	1.2	5
103	Development of a microcalorimeter array for the Diffuse-Intergalactic Oxygen-Surveyor (DIOS) mission 2004 ,		5
102	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
101	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
100	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

99	. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	4
98	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
97	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
96	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
95	Development of an energy dispersive spectrometer for a transmission electron microscope utilizing a TES microcalorimeter array 2009 ,		4
94	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
93	Properties of vacuum-evaporated bismuth absorber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 559, 432-435 ^{1,2}		4
92	DIOS: the dark baryon exploring mission 2016 ,		4
91	TRACING BRIGHT AND DARK SIDES OF THE UNIVERSE WITH X-RAY OBSERVATIONS. <i>Journal of the Korean Astronomical Society</i> , 2004 , 37, 387-392		4
90	Frequency Domain Multiplexing of TES Signals by Magnetic Field Summation. <i>IEICE Transactions on Electronics</i> , 2006 , E89-C, 98-105	0.4	4
89	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
88	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
87	. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	3
86	LiteBIRD: mission overview and design tradeoffs 2014 ,		3
85	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
84	The Monte Carlo simulation framework of the ASTRO-H X-ray Observatory 2010 ,		3
83	Design and fabrication of TES microcalorimeters for x-ray astrophysics in Japan 2008 ,		3
82	EURECA: a European-Japanese microcalorimeter array 2008 ,		3

81	Frequency-domain multiplex with eight-input SQUID and readout electronics over 1MHz. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 559, 811-813	1.2	3
80	Suzaku/Chandra Emission/Absorption Line Observations of Hot Gas in and around Our Galaxy. <i>Progress of Theoretical Physics Supplement</i> , 2007 , 169, 79-83		3
79	In-flight status of the X-ray observatory Suzaku 2007 ,		3
78	TES microcalorimeter development for future Japanese X-ray astronomy missions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 520, 431-434	1.2	3
77	Performance analyses of TES microcalorimeters with mushroom shaped X-ray absorbers made of Sn or Bi. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 520, 452-455	1.2	3
76	AC calorimeter bridge; a new multi-pixel readout method for TES calorimeter arrays 2002 ,		3
75	Measurements of the linearity of an STJ and position resolution of series-connected STJs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 436, 243-246	1.2	3
74	In-orbit performance of the GIS instrument on board ASCA (ASTRO-D) 1995 , 2518, 2		3
73	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
72	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
71	Glimpse of the highly obscured HMXB IGR J16318-8448 with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	3
70	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
69	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
68	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}		2
67	Dielectric Resonators as Radiation Detectors at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 2015 , 181, 59-67	1.3	2
66	EXPLORING HOT GAS AT JUNCTIONS OF GALAXY FILAMENTS WITHSUZAKU. <i>Astrophysical Journal</i> , 2014 , 783, 137	4.7	2
65	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
64	Development of Dielectric X-Ray Microcalorimeter. <i>Journal of Low Temperature Physics</i> , 2012 , 167, 435-441		2

63	Design of the two-stage series adiabatic demagnetization refrigerator for the NeXT and Spectrum-RG missions 2008 ,		2
62	Performance Measurement of the 8-Input SQUIDs for TES Frequency Domain Multiplexing. <i>Journal of Low Temperature Physics</i> , 2008 , 151, 946-951	1.3	2
61	Suzaku Survey for Non-Thermal Hard X-Ray Emission from Clusters of Galaxies. <i>Progress of Theoretical Physics Supplement</i> , 2007 , 169, 45-48		2
60	Fabrication of multi-pixel TES microcalorimeters with an electrodeposited Sn absorber and Bi absorber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 520, 456-459	1.2	2
59	Chandra imaging spectroscopy of the central region of AWM7. <i>Advances in Space Research</i> , 2004 , 34, 2530-2534	2.4	2
58	Fabrication of an X-ray microcalorimeter with an electrodeposited X-ray microabsorber 2002 ,		2
57	Two dimensional imaging by series-connected STJs with sapphire absorber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 487, 488-493	1.2	2
56	Scaling Relation to Understand Non-Detection of Cold Gas at the Cluster Center. <i>Publication of the Astronomical Society of Japan</i> , 2002 , 54, L1-L5	3.2	2
55	Status of X-ray microcalorimeter development at ISAS 2002 ,		2
54	X-Ray Study of the Distant QSO PKS 0237-033 with ASCA and ROSAT. <i>Publication of the Astronomical Society of Japan</i> , 1998 , 50, 19-24	3.2	2
53	Investigation of the galactic ridge X-ray emission. <i>Astronomische Nachrichten</i> , 1999 , 320, 322-322	0.7	2
52	Filter wheel system for the x-ray microcalorimeters on board ASTRO-E 1999 , 3765, 664		2
51	New hard X-ray/gamma-ray telescope - Welcome-1 1992 , 1734, 44		2
50	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
49	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
48	Super DIOS: future x-ray spectroscopic mission to search for dark baryons 2018 ,		2
47	ATHENA X-IFU 300K-50mK cryochain test results. <i>Cryogenics</i> , 2020 , 112, 103144	1.8	2
46	Improvement of micro-vibration of a two-stage Stirling cryocooler. <i>Cryogenics</i> , 2020 , 111, 103133	1.8	2

45	Lifetime test of the 4K Joule-Thomson cryocooler. <i>Cryogenics</i> , 2021 , 116, 103306	1.8	2
44	Preliminary thermal architecture of the X-IFU instrument dewar 2016 ,		2
43	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
42	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
41	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
40	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
39	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
38	Development of Low-Power dc-SQUIDs for TES Frequency-Division Multiplexing Readout Towards Future Space Missions 2015 ,		1
37	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
36	DIOS: the dark baryon exploring mission 2014 ,		1
35	Suzaku observations of charge exchange emission from solar system objects. <i>Astronomische Nachrichten</i> , 2012 , 333, 319-323	0.7	1
34	Optimization of Structure of Large Format TES Arrays. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 456-459	1.8	1
33	Development of High Count-Rate Digital Processing System with SpaceWire for TES-Calorimeter Array. <i>Journal of Low Temperature Physics</i> , 2008 , 151, 997-1002	1.3	1
32	Development of a low temperature SQUID gradiometer for magnetic microcalorimeters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 559, 832-834	1.2	1
31	Design of frequency domain multiplexing of TES signals by multi-input SQUIDs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 559, 790-792	1.2	1
30	ASCA Observations of the Two Nearest Globular Clusters, M 4 and NGC 6397. <i>Publication of the Astronomical Society of Japan</i> , 2004 , 56, 453-464	3.2	1
29	Prototype of the high sensitive X-ray microcalorimeter for X-ray imaging. <i>Sensors and Actuators A: Physical</i> , 2004 , 114, 171-175	3.9	1
28	ASCA study of the X-ray background spectrum II. Absolute CXB intensity and cosmic variance. <i>Astronomische Nachrichten</i> , 2003 , 324, 155-155	0.7	1

27	METALLICITY and temperature distributions in clusters of galaxies. <i>Advances in Space Research</i> , 2000 , 25, 593-598	2.4	1
26	Possible site of heating and acceleration in clusters of galaxies. <i>Astronomische Nachrichten</i> , 1999 , 320, 195-196	0.7	1
25	Detector to study low-flux hard X-ray/gamma-ray sources. <i>Advances in Space Research</i> , 1993 , 13, 165-168.	2.4	1
24	Development of TES Microcalorimeters with Solar-Axion Converter. <i>Journal of Low Temperature Physics</i> , 2020 , 199, 654-662	1.3	1
23	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
22	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
21	Cooling capability of JT coolers during the cool-down phase for space science missions. <i>Cryogenics</i> , 2020 , 109, 103094	1.8	0
20	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	
19	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	
18	Development of a Dielectric Microcalorimeter with Quantum Ferroelectric Materials. <i>Journal of Low Temperature Physics</i> , 2019 , 194, 418-425	1.3	
17	Development of Low Temperature SQUID Gradiometer Array for Metallic Magnetic Microcalorimeters. <i>Journal of Low Temperature Physics</i> , 2008 , 151, 345-350	1.3	
16	Hard X-Ray Investigation of the Galactic Center Region with Suzaku. <i>Progress of Theoretical Physics Supplement</i> , 2007 , 169, 109-112		
15	Frequency-domain multiplexing of TES microcalorimeter array with CABBAGE. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 520, 566-569	1.2	
14	ASCA study of the X-ray background spectrum I. Observation, analysis and the galactic distribution. <i>Astronomische Nachrichten</i> , 2003 , 324, 154-154	0.7	
13	An X-Ray Detection Possibility of Star-Formation-Bursting Proto-Elliptical Galaxies: Fig. 1. <i>Publication of the Astronomical Society of Japan</i> , 2003 , 55, 631-634	3.2	
12	Development of the filter wheel for calorimeters on board ASTRO-E. <i>Advances in Space Research</i> , 2000 , 25, 869-872	2.4	
11	Development of superconducting tunnel junction as an imaging radiation detector. <i>Advances in Space Research</i> , 2000 , 25, 873-876	2.4	
10	Mapping the Virgo Cluster of Galaxies with ASCA. <i>Symposium - International Astronomical Union</i> , 1998 , 188, 317-318		

- 9 Development of STJ as a New X-Ray Detector. *Symposium - International Astronomical Union*, **1998**, 188, 335-336
- 8 ASCA observation of the Virgo cluster of galaxies. *Astronomische Nachrichten*, **1999**, 320, 291-291 0.7
- 7 Performances of series-connected STJs as an imaging X-ray detector. *Astronomische Nachrichten*, **1999**, 320, 375-375 0.7
- 6 Suzaku Observations of A2218 **2007**, 395-397
- 5 A Suzaku Observation of the Cluster of Galaxies A1060 **2007**, 398-400
- 4 Chandra and XMM-Newton Observations of the Group of Galaxies HCG 62. *Globular Clusters - Guides To Galaxies*, **2007**, 112-114
- 3 Thermal analyses for initial operations of the soft x-ray spectrometer onboard the Hitomi satellite. *Journal of Astronomical Telescopes, Instruments, and Systems*, **2017**, 4, 1 1.1
- 2 Calibration of the microcalorimeter spectrometer on-board the Hitomi (Astro-H) observatory (invited). *Review of Scientific Instruments*, **2016**, 87, 11D503 1.7
- 1 Spatial Power Spectral Analysis of the Suzaku X-Ray Background. *Astrophysical Journal*, **2022**, 929, 128 4.7