

# Noriko Y Yamasaki

## List of Publications by Year in descending order

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307  
papers

8,255  
citations

53789

45  
h-index

60616

81  
g-index

308  
all docs

308  
docs citations

308  
times ranked

4490  
citing authors

#	ARTICLE	IF	CITATIONS
1	The X-Ray Observatory Suzaku. Publication of the Astronomical Society of Japan, 2007, 59, S1-S7.	2.5	823
2	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
3	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	27.8	348
4	Mission Design of LiteBIRD. Journal of Low Temperature Physics, 2014, 176, 733-740.	1.4	300
5	Study of the X-Ray Background Spectrum and Its Large-Scale Fluctuation with ASCA. Publication of the Astronomical Society of Japan, 2002, 54, 327-352.	2.5	212
6	[ITAL]ASCA[/ITAL] Observation of an X-Ray/TeV Flare from the BL Lacertae Object Markarian 421. Astrophysical Journal, 1996, 470, L89-L92.	4.5	200
7	LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection. Journal of Low Temperature Physics, 2019, 194, 443-452.	1.4	193
8	In-Orbit Performance of the Gas Imaging Spectrometer onboard ASCA. Publication of the Astronomical Society of Japan, 1996, 48, 171-189.	2.5	178
9	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
10	Energy Spectra of the Soft X-Ray Diffuse Emission in Fourteen Fields Observed with Suzaku. Publication of the Astronomical Society of Japan, 2009, 61, 805-823.	2.5	144
11	Complex Spectra of the Galactic Ridge X-rays Observed with ASCA. Astrophysical Journal, 1997, 491, 638-652.	4.5	130
12	Iron and Nickel Line Diagnostics for the Galactic Center Diffuse Emission. Publication of the Astronomical Society of Japan, 2007, 59, S245-S255.	2.5	130
13	The ASTRO-H Mission. Proceedings of SPIE, 2010, , .	0.8	125
14	The Suzaku High Resolution X-Ray Spectrometer. Publication of the Astronomical Society of Japan, 2007, 59, S77-S112.	2.5	123
15	The ATHENA x-ray integral field unit (X-IFU). , 2018, , .		120
16	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. Journal of Low Temperature Physics, 2018, 193, 1048-1056.	1.4	96
17	Hard X-ray emission from the Galactic ridge. Astronomy and Astrophysics, 2007, 463, 957-967.	5.1	91
18	Exploratory ASCA Observations of Broad Absorption Line Quasi-stellar Objects. Astrophysical Journal, 1999, 519, 549-555.	4.5	91

#	ARTICLE	IF	CITATIONS
19	The Athena X-ray Integral Field Unit (X-IFU). Proceedings of SPIE, 2016, , .	0.8	88
20	Concept of the X-ray Astronomy Recovery Mission. , 2018, , .		85
21	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15.	8.3	84
22	Suzaku Observations of the Local and Distant Hot ISM. Publication of the Astronomical Society of Japan, 2007, 59, S141-S150.	2.5	83
23	Greatly Extended X-Ray Emission around the Elliptical Galaxy NGC 4636 Observed with [ITAL]ASCA[/ITAL]. Astrophysical Journal, 1998, 499, L13-L16.	4.5	75
24	Solar abundance ratios of the iron-peak elements in the Perseus cluster. Nature, 2017, 551, 478-480.	27.8	73
25	LiteBIRD: Mission Overview and Focal Plane Layout. Journal of Low Temperature Physics, 2016, 184, 824-831.	1.4	70
26	Temperature Map of the Virgo Cluster of Galaxies Observed with ASCA. Astrophysical Journal, 2001, 549, 228-243.	4.5	64
27	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. Journal of Low Temperature Physics, 2020, 199, 1107-1117.	1.4	64
28	Hitomi (ASTRO-H) X-ray Astronomy Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	64
29	The ASTRO-H X-ray Observatory. Proceedings of SPIE, 2012, , .	0.8	63
30	Discovery of a Large-scale Abundance Gradient in the Cluster of Galaxies AWM 7 with [ITAL]ASCA[/ITAL]. Astrophysical Journal, 1997, 490, L33-L36.	4.5	63
31	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	57
32	Detectability of the Warm/Hot Intergalactic Medium through Emission Lines of O VII and O VIII. Publication of the Astronomical Society of Japan, 2003, 55, 879-890.	2.5	56
33	X-RAY AND ULTRAVIOLET SPECTROSCOPY OF GALACTIC DIFFUSE HOT GAS ALONG THE LARGE MAGELLANIC CLOUD X-3 SIGHT LINE. Astrophysical Journal, 2009, 690, 143-153.	4.5	56
34	Spatial Distribution of the Milky Way Hot Gaseous Halo Constrained by Suzaku X-Ray Observations. Astrophysical Journal, 2018, 862, 34.	4.5	56
35	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
36	Hard X-Ray Emission from the Galactic Ridge. Astrophysical Journal, 1997, 481, 821-831.	4.5	54

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37	LiteBIRD: a small satellite for the study of B-mode polarization and inflation from cosmic background radiation detection. Proceedings of SPIE, 2012, , .	0.8	54
38	Type Ia and II Supernovae Contributions to Metal Enrichment in the Intracluster Medium Observed with <i>Suzaku</i>. Astrophysical Journal, 2007, 667, L41-L44.	4.5	52
39	The Astro-H high resolution soft x-ray spectrometer. Proceedings of SPIE, 2016, , .	0.8	51
40	The Nature of Unresolved Soft X-Ray Emission from the Galactic Disk. Publication of the Astronomical Society of Japan, 2009, 61, S115-S122.	2.5	50
41	The high-resolution x-ray microcalorimeter spectrometer system for the SXS on ASTRO-H. Proceedings of SPIE, 2010, , .	0.8	50
42	An X-ray spectroscopic search for dark matter in the Perseus cluster with Suzaku. Publication of the Astronomical Society of Japan, 2015, 67, .	2.5	50
43	Suzaku Observation of the Metallicity Distribution in the Intracluster Medium of the Fornax Cluster. Publication of the Astronomical Society of Japan, 2007, 59, S327-S338.	2.5	49
44	Ultra light-weight and high-resolution X-ray mirrors using DRIE and X-ray LIGA techniques for space X-ray telescopes. Microsystem Technologies, 2010, 16, 1633-1641.	2.0	49
45	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
46	The ASTRO-H (Hitomi) x-ray astronomy satellite. Proceedings of SPIE, 2016, , .	0.8	47
47	Atomic data and spectral modeling constraints from high-resolution X-ray observations of the Perseus cluster with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	46
48	The ASTRO-H X-ray astronomy satellite. Proceedings of SPIE, 2014, , .	0.8	45
49	New Measurement of Metal Abundance in the Elliptical Galaxy NGC 4636 with [ITAL]ASCA[/ITAL]. Astrophysical Journal, 1997, 488, L125-L128.	4.5	42
50	Origin of 6.4 keV Line Emission from Molecular Clouds in the Galactic Center. Publication of the Astronomical Society of Japan, 2009, 61, 901-907.	2.5	41
51	X-Ray Halo around the Spiral Galaxy NGC 4631 Observed with Suzaku. Publication of the Astronomical Society of Japan, 2009, 61, S291-S298.	2.5	40
52	Suzaku Observations of the North Polar Spur: Evidence for Nitrogen Enhancement. Publication of the Astronomical Society of Japan, 2008, 60, S95-S106.	2.5	39
53	Energy of the $\text{Ni}^{57}$ Nuclear Clock Isomer Determined by Absolute $\text{Ni}^{57}$ X-Ray Spectral Study of the Extended Emission, $\hat{\nu}$ the Cap $\hat{\nu}$ ™, Located 11.6 kpc above the Disk of M82. Publication of the Astronomical Society of Japan, 2007, 59, S269-S282.	7.8	39
54	X-Ray Spectral Study of the Extended Emission, $\hat{\nu}$ the Cap $\hat{\nu}$ ™, Located 11.6 kpc above the Disk of M82. Publication of the Astronomical Society of Japan, 2007, 59, S269-S282.	2.5	38

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55	A search for a keV signature of radiatively decaying dark matter with Suzaku XIS observations of the X-ray diffuse background. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	38
56	Detection of Highly Ionized O and Ne Absorption Lines in the X-ray Spectrum of 4U 1820+303 in the Globular Cluster NGC 6624. Astrophysical Journal, 2004, 605, 793-799.	4.5	37
57	Detailed XMM-Newton Observation of the Cluster of Galaxies Abell 1060. Publication of the Astronomical Society of Japan, 2006, 58, 695-702.	2.5	37
58	X-Ray Spectroscopy of Galactic Hot Gas along the PKS 2155-304 Sight Line. Publication of the Astronomical Society of Japan, 2010, 62, 723-733.	2.5	36
59	Unresolved X-Ray Emission from the Galactic Ridge with ASCA. Publication of the Astronomical Society of Japan, 1996, 48, L15-L20.	2.5	35
60	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
61	Inhomogeneity in the Hot Intracluster Medium of Abell 1060 Observed with Chandra. Publication of the Astronomical Society of Japan, 2004, 56, 743-752.	2.5	34
62	Iron Emission Lines on the Galactic Ridge Observed with Suzaku. Publication of the Astronomical Society of Japan, 2009, 61, S225-S232.	2.5	34
63	Time Variability of the Geocoronal Solar-Wind Charge Exchange in the Direction of the Celestial Equator. Publication of the Astronomical Society of Japan, 2010, 62, 981-986.	2.5	34
64	Chandra Observation of the Central Galaxies in the A1060 Cluster of Galaxies. Astrophysical Journal, 2002, 578, 833-841.	4.5	34
65	Metal Abundance of an X-Ray Emitting Gas in Two Groups of Galaxies: The NGC 5044 Group and HCG 51. Publication of the Astronomical Society of Japan, 1996, 48, 395-407.	2.5	33
66	ASCA Temperature Maps of Three Clusters of Galaxies: Abell 1060, AWM 7, and the Centaurus Cluster. Publication of the Astronomical Society of Japan, 2001, 53, 421-432.	2.5	33
67	Development status of the mechanical cryocoolers for the Soft X-ray Spectrometer on board Astro-H. Cryogenics, 2014, 64, 182-188.	1.7	31
68	Resolve Instrument on X-ray Astronomy Recovery Mission (XARM). Journal of Low Temperature Physics, 2018, 193, 991-995.	1.4	31
69	The NeXT Mission. , 2008, , .		30
70	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
71	Microcalorimeter-type energy dispersive X-ray spectrometer for a transmission electron microscope. Journal of Electron Microscopy, 2010, 59, 17-26.	0.9	30
72	Probing Warm-Hot Intergalactic Medium Associated with the Virgo Cluster Using an Oxygen Absorption Line. Publication of the Astronomical Society of Japan, 2004, 56, L29-L34.	2.5	29

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73	Soft x-ray spectrometer (SXS): the high-resolution cryogenic spectrometer onboard ASTRO-H. Proceedings of SPIE, 2014, , .	0.8	29
74	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	29
75	ASCA Measurements of Metallicity and Temperature Distributions in Three Clusters: A4059, MKW 3s, and 2A 0335+096. Publication of the Astronomical Society of Japan, 1999, 51, 301-315.	2.5	27
76	Magnetic field-assisted finishing for micropore X-ray focusing mirrors fabricated by deep reactive ion etching. CIRP Annals - Manufacturing Technology, 2010, 59, 351-354.	3.6	27
77	Development of 1K-class Jouleâ€“Thomson cryocooler for next-generation astronomical mission. Cryogenics, 2016, 74, 47-54.	1.7	27
78	Hitomi observation of radio galaxy NGCâ€“1275: The first X-ray microcalorimeter spectroscopy of Fe-K $\pm$ line emission from an active galactic nucleus. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	27
79	Locating the Warmâ€“Hot Intergalactic Medium in the Simulated Local Universe. Publication of the Astronomical Society of Japan, 2004, 56, 939-957.	2.5	26
80	Temperature Map of the Perseus Cluster of Galaxies Observed with [ITAL]ASCA[/ITAL]. Astrophysical Journal, 2001, 561, L165-L169.	4.5	25
81	Cooling system for the soft X-ray spectrometer onboard Astro-H. Cryogenics, 2010, 50, 488-493.	1.7	25
82	GAS BULK MOTION IN THE PERSEUS CLUSTER MEASURED WITH<i>Suzaku</i>. Astrophysical Journal, 2014, 782, 38.	4.5	25
83	ChandraObservation of the Core of the Galaxy Cluster AWM 7. Astrophysical Journal, 2003, 596, 181-189.	4.5	24
84	Observation of pulsed hard X-rays/gamma-rays from PSR 1509-58. Astrophysical Journal, 1994, 428, 284.	4.5	24
85	Development of mechanical cryocoolers for the cooling system of the Soft X-ray Spectrometer onboard Astro-H. Cryogenics, 2012, 52, 158-164.	1.7	22
86	Oâ€“ fluorescent line contamination in soft X-ray diffuse background obtained with Suzaku/XIS. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	22
87	Well-type phoswich counter for low-flux X-ray/ gamma -ray detection. IEEE Transactions on Nuclear Science, 1993, 40, 204-207.	2.0	21
88	X-Ray/Soft Gamma-Ray Observation of Centaurus A and Its Implication on the Emission Mechanism. Publication of the Astronomical Society of Japan, 1996, 48, 801-811.	2.5	21
89	ASCA Observations of the Temperature Structure and Metal Distribution in the Perseus Cluster of Galaxies. Publication of the Astronomical Society of Japan, 2001, 53, 595-604.	2.5	21
90	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

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91	The detector subsystem for the SXS instrument on the ASTRO-H Observatory. Proceedings of SPIE, 2010, , .	0.8	21
92	Detection of polarized gamma-ray emission from the Crab nebula with the Hitomi Soft Gamma-ray Detector. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	21
93	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	21
94	Search for X-Ray Emission Associated with the Shapley Supercluster with Suzaku. Publication of the Astronomical Society of Japan, 2012, 64, .	2.5	20
95	LiteBIRD: lite satellite for the study of B-mode polarization and inflation from cosmic microwave background radiation detection. Proceedings of SPIE, 2016, , .	0.8	20
96	Temperature structure in the Perseus cluster core observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	20
97	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. Experimental Astronomy, 2009, 23, 67-89.	3.7	19
98	The High-Resolution X-Ray Microcalorimeter Spectrometer, SXS, on Astro-H. Journal of Low Temperature Physics, 2012, 167, 795-802.	1.4	19
99	Design and Performance of a TES X-ray Microcalorimeter Array for Energy Dispersive Spectroscopy on Scanning Transmission Electron Microscope. Journal of Low Temperature Physics, 2016, 184, 91-96.	1.4	19
100	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19
101	Newly developed low background hard X-ray/gamma-ray telescope with the well-type phoswich counters. IEEE Transactions on Nuclear Science, 1993, 40, 890-898.	2.0	18
102	Soft X-Ray Transmission Spectroscopy of a Warm/Hot Intergalactic Medium with XEUS. Publication of the Astronomical Society of Japan, 2006, 58, 657-672.	2.5	18
103	Low-noise microwave SQUID multiplexed readout of 38 x-ray transition-edge sensor microcalorimeters. Applied Physics Letters, 2020, 117, 122601.	3.3	18
104	Erbium-doped yttrium aluminum garnet as a magnetic refrigerant for low temperature x-ray detectors. Journal of Applied Physics, 2001, 90, 5812-5818.	2.5	17
105	DIOS: the diffuse intergalactic oxygen surveyor. , 2006, , .		17
106	Metallicity of the Fossil Group NGC 1550 Observed with Suzaku. Publication of the Astronomical Society of Japan, 2010, 62, 1445-1454.	2.5	17
107	Optical Image Analysis of the Novel Ultra-Lightweight and High-Resolution MEMS X-Ray Optics. IEEE Journal of Quantum Electronics, 2010, 46, 1309-1312.	1.9	16
108	Novel ultra-lightweight and high-resolution MEMS X-ray optics for space astronomy. Sensors and Actuators A: Physical, 2012, 188, 411-416.	4.1	16

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109	Structural study of Galactic hot gas toward Markarian 421 from X-ray absorption and emission lines. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	16
110	Baseband Feedback Frequency-Division Multiplexing with Low-Power dc-SQUIDs and Digital Electronics for TES X-Ray Microcalorimeters. Journal of Low Temperature Physics, 2014, 176, 400-407.	1.4	16
111	Flight model performance test results of a helium dewar for the soft X-ray spectrometer onboard ASTRO-H. Cryogenics, 2016, 74, 10-16.	1.7	16
112	Calibration sources and filters of the soft x-ray spectrometer instrument on the Hitomi spacecraft. Journal of Astronomical Telescopes, Instruments, and Systems, 2017, 4, 1.	1.8	16
113	XMM-Newton Observation of IC 310 in the Outer Region of the Perseus Cluster of Galaxies. Publication of the Astronomical Society of Japan, 2005, 57, 743-749.	2.5	15
114	Search for Oxygen Emission from Warm-Hot Intergalactic Medium around A2218 with Suzaku. Publication of the Astronomical Society of Japan, 2007, 59, S339-S349.	2.5	15
115	The Lack of Strong O Line Excess in the Coma Cluster Outskirts from Suzaku. Astrophysical Journal, 2008, 680, 1049-1052.	4.5	15
116	In-orbit operation of the ASTRO-H SXS. , 2016, , .		15
117	In-orbit performance of a helium dewar for the soft X-ray spectrometer onboard ASTRO-H. Cryogenics, 2018, 91, 27-35.	1.7	14
118	Origin of Thermal and Non-Thermal Hard X-Ray Emission from the Galactic Center. Publication of the Astronomical Society of Japan, 2009, 61, 1099-1105.	2.5	13
119	Impedance measurement and excess-noise behavior of a Ti <sup>+</sup> Au bilayer TES calorimeter. AIP Conference Proceedings, 2009, , .	0.4	13
120	Filters and calibration sources for the soft x-ray spectrometer (SXS) instrument on ASTRO-H. Proceedings of SPIE, 2010, , .	0.8	13
121	Fe K LINE COMPLEX IN THE NUCLEAR REGION OF NGC 253. Astrophysical Journal Letters, 2011, 742, L31.	8.3	13
122	Cryogen free cooling of ASTRO-H SXS Helium Dewar from 300 K to 4 K. Cryogenics, 2017, 88, 143-146.	1.7	13
123	ATHENA X-IFU 300 K-50 mK cryochain demonstrator cryostat. Cryogenics, 2018, 89, 85-94.	1.7	13
124	Present performance of a single pixel Ti/Au bilayer TES calorimeter. , 2003, 4851, 831.		12
125	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
126	EURECA: a European-Japanese micro-calorimeter array. , 2006, , .		12



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127	SQUID multiplexing using baseband feedback for space application of transition-edge sensor microcalorimeters. Superconductor Science and Technology, 2009, 22, 114008.	3.5	12
128	Development of an alternating magnetic-field-assisted finishing process for microelectromechanical systems micropore x-ray optics. Applied Optics, 2010, 49, 3511.	2.1	12
129	An X-Ray Study of the Galactic-Scale Starburst-Driven Outflow in NGC 253. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	12
130	Broadband, millimeter-wave anti-reflective structures on sapphire ablated with femto-second laser. Journal of Applied Physics, 2020, 128, 225302.	2.5	12
131	Detection of an X-Ray Hot Region in the Virgo Cluster of Galaxies with [ITAL]ASCA[/ITAL]. Astrophysical Journal, 2000, 531, L95-L98.	4.5	12
132	Performance of the helium dewar and the cryocoolers of the Hitomi soft x-ray spectrometer. Journal of Astronomical Telescopes, Instruments, and Systems, 2017, 4, 1.	1.8	12
133	Vibration isolation system for cryocoolers of soft x-ray spectrometer on-board ASTRO-H (Hitomi). Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	12
134	DIOS: the diffuse intergalactic oxygen surveyor: status and prospects. , 2010, , .		11
135	Study of the Intracluster and Intergalactic Medium in the Sculptor Supercluster with Suzaku. Publication of the Astronomical Society of Japan, 2010, 62, 1423-1433.	2.5	11
136	An X-Ray Spectroscopic Study of the Hot Interstellar Medium toward the Galactic Bulge. Publication of the Astronomical Society of Japan, 2011, 63, S889-S901.	2.5	11
137	Performance of the helium dewar and cryocoolers of ASTRO-H SXS. , 2016, , .		11
138	The x-ray microcalorimeter on the NeXT mission. , 2008, , .		11
139	High Sensitive X-ray Microcalorimeter Using Biâ€“Au Microabsorber for Imaging Applications. Japanese Journal of Applied Physics, 2004, 43, 1190-1195.	1.5	10
140	Magnetic field assisted finishing of ultra-lightweight and high-resolution MEMS x-ray micro-pore optics. Proceedings of SPIE, 2009, , .	0.8	10
141	The x-ray microcalorimeter spectrometer onboard of IXO. Proceedings of SPIE, 2010, , .	0.8	10
142	Cooling system for the soft x-ray spectrometer (SXS) onboard ASTRO-H. Proceedings of SPIE, 2010, , .	0.8	10
143	Evaluation of the soft x-ray reflectivity of micropore optics using anisotropic wet etching of silicon wafers. Applied Optics, 2010, 49, 1007.	2.1	10
144	Long-Term Variability of the O VII Line Intensity toward the Lockman Hole Observed with Suzaku from 2006 to 2011. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	10

#	ARTICLE	IF	CITATIONS
145	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.	1.7	10
146	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer. <i>Proceedings of SPIE</i> , 2016, , .	0.8	10
147	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
148	A limit on the Co-57 gamma-ray flux from SN 1987A. <i>Astrophysical Journal</i> , 1992, 397, L83.	4.5	10
149	A simple pulse shape discrimination method for the phoswich counter. <i>IEEE Transactions on Nuclear Science</i> , 1992, 39, 1316-1320.	2.0	9
150	The X-Ray Microcalorimeter Spectrometer for the International X-Ray Observatory. , 2009, , .		9
151	Large Arrays of TES X-ray Microcalorimeters for Dark Baryon Search. , 2009, , .		9
152	Novel ultra-lightweight and high-resolution MEMS x-ray optics. <i>Proceedings of SPIE</i> , 2009, , .	0.8	9
153	The x-ray microcalorimeter spectrometer onboard Athena. <i>Proceedings of SPIE</i> , 2012, , .	0.8	9
154	Adjustable SQUID-resonator direct coupling in microwave SQUID multiplexer for TES microcalorimeter array. <i>IEICE Electronics Express</i> , 2017, 14, 20170271-20170271.	0.8	9
155	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.	2.0	9
156	The design, implementation, and performance of the Astro-H SXS aperture assembly and blocking filters. , 2016, , .		9
157	Development of double-stage ADR for future space missions. <i>Cryogenics</i> , 2010, 50, 597-602.	1.7	8
158	Calibration sources for the soft x-ray spectrometer instrument on ASTRO-H. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8
159	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, .	2.5	8
160	Vibration isolation system for cryocoolers of Soft X-ray Spectrometer (SXS) onboard ASTRO-H (Hitomi). <i>Proceedings of SPIE</i> , 2016, , .	0.8	8
161	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. , 2016, , .		8
162	Outgas analysis of mechanical cryocoolers for long lifetime. <i>Cryogenics</i> , 2017, 88, 70-77.	1.7	8

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163	Search for thermal X-ray features from the Crab nebula with the Hitomi soft X-ray spectrometer. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
164	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
165	Hitomi X-ray observation of the pulsar wind nebula G21.5 <sup>+</sup> 0.9. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
166	Development of a microcalorimeter array for the Diffuse-Intergalactic Oxygen-Surveyor (DIOS) mission., 2004, , .		7
167	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
168	EURECA: European-Japanese Microcalorimeter Array. Journal of Low Temperature Physics, 2008, 151, 733-739.	1.4	7
169	Suzaku Observations of the Cluster of Galaxies Abell 2052. Publication of the Astronomical Society of Japan, 2008, 60, 695-705.	2.5	7
170	Particle Propagation in the Galactic Center and Spatial Distribution of Non-Thermal X-Rays. Publication of the Astronomical Society of Japan, 2009, 61, 1093-1098.	2.5	7
171	LiteBIRD: mission overview and design tradeoffs. Proceedings of SPIE, 2014, , .	0.8	7
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173	Lifetime test of the 4K Joule-Thomson cryocooler. Cryogenics, 2021, 116, 103306.	1.7	7
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