

Ryuichi Fujimoto

List of Publications by Year in descending order

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174
papers

4,929
citations

147801

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106344

65
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all docs

174
docs citations

174
times ranked

2973
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 | 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 |
| 5 | 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 |
| 6 | The ASTRO-H Mission. Proceedings of SPIE, 2010, , . | 0.8 | 125 |
| 7 | The Suzaku High Resolution X-Ray Spectrometer. Publication of the Astronomical Society of Japan, 2007, 59, S77-S112. | 2.5 | 123 |
| 8 | Simultaneous Multiwavelength Spectrum and Variability of 3C 279 from 10 ⁹ to 10 ²⁴ Hz. Astrophysical Journal, 1996, 461, 698. | 4.5 | 107 |
| 9 | Multiwavelength Monitoring of the BL Lacertae Object PKS 2155-304 in 1994 May. III. Probing the Inner Jet through Multiwavelength Correlations. Astrophysical Journal, 1997, 486, 799-809. | 4.5 | 96 |
| 10 | Concept of the X-ray Astronomy Recovery Mission. , 2018, , . | | 85 |
| 11 | Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15. | 8.3 | 84 |
| 12 | Suzaku Observations of the Local and Distant Hot ISM. Publication of the Astronomical Society of Japan, 2007, 59, S141-S150. | 2.5 | 83 |
| 13 | Solar abundance ratios of the iron-peak elements in the Perseus cluster. Nature, 2017, 551, 478-480. | 27.8 | 73 |
| 14 | Restoring the Suzaku Source Position Accuracy and Point-Spread function. Publication of the Astronomical Society of Japan, 2008, 60, S35-S41. | 2.5 | 64 |
| 15 | Hitomi (ASTRO-H) X-ray Astronomy Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 64 |
| 16 | The ASTRO-H X-ray Observatory. Proceedings of SPIE, 2012, , . | 0.8 | 63 |
| 17 | X-ray Spectroscopic Observations of EX Hydrae and Mass Determination of the White Dwarf. Astrophysical Journal, 1997, 474, 774-781. | 4.5 | 58 |
| 18 | Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 57 |

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|----|---|-----|-----------|
| 19 | The Astro-H high resolution soft x-ray spectrometer. Proceedings of SPIE, 2016, , . | 0.8 | 51 |
| 20 | The high-resolution x-ray microcalorimeter spectrometer system for the SXS on ASTRO-H. Proceedings of SPIE, 2010, , . | 0.8 | 50 |
| 21 | O and Ne K Absorption Edge Structures and Interstellar Abundance toward Cygnus Xâ€². Astrophysical Journal, 2002, 581, 307-314. | 4.5 | 47 |
| 22 | The ASTRO-H (Hitomi) x-ray astronomy satellite. Proceedings of SPIE, 2016, , . | 0.8 | 47 |
| 23 | 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 |
| 24 | The ASTRO-H X-ray astronomy satellite. Proceedings of SPIE, 2014, , . | 0.8 | 45 |
| 25 | ASCA spectroscopy of IRAS 23060 + 0505: penetrating the torus of a type 2 quasar with X-rays. Monthly Notices of the Royal Astronomical Society, 1997, 290, 617-622. | 4.4 | 42 |
| 26 | <title>ASTRO-E high-resolution x-ray spectrometer</title>. , 1999, 3765, 114. | | 39 |
| 27 | 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 |
| 28 | <title>Design and performance of the ASTRO-E/XRS signal processing system</title>. , 1999, , . | | 38 |
| 29 | X-Ray Spectral Study of the Extended Emission, â€”the Capâ€™™, Located 11.6â€™%kpc above the Disk of M82. Publication of the Astronomical Society of Japan, 2007, 59, S269-S282. | 2.5 | 38 |
| 30 | Detection of Highly Ionized O and Ne Absorption Lines in the Xâ€™Ray Spectrum of 4U 1820â€™³03 in the Globular Cluster NGC 6624. Astrophysical Journal, 2004, 605, 793-799. | 4.5 | 37 |
| 31 | Warmâ€™Hot Intergalactic Medium Associated with the Coma Cluster. Astrophysical Journal, 2007, 655, 831-842. | 4.5 | 36 |
| 32 | Status of x-ray imaging and spectroscopy mission (XRISM). , 2020, , . | | 36 |
| 33 | ChandraObservations of SDSS J1004+4112: Constraints on the Lensing Cluster and Anomalous Xâ€™Ray Flux Ratios of the Quadruply Imaged Quasar. Astrophysical Journal, 2006, 647, 215-221. | 4.5 | 34 |
| 34 | 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 |
| 35 | XMM-Newtonobservation of the ULIRG NGCâ€™6240. Astronomy and Astrophysics, 2003, 411, 63-70. | 5.1 | 33 |
| 36 | Development status of the mechanical cryocoolers for the Soft X-ray Spectrometer on board Astro-H. Cryogenics, 2014, 64, 182-188. | 1.7 | 31 |

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| 37 | Resolve Instrument on X-ray Astronomy Recovery Mission (XARM). Journal of Low Temperature Physics, 2018, 193, 991-995. | 1.4 | 31 |
| 38 | The NeXT Mission. , 2008, , . | | 30 |
| 39 | Detailed X-ray spectroscopy of AM Herculis with ASCA. Monthly Notices of the Royal Astronomical Society, 1997, 287, 651-662. | 4.4 | 29 |
| 40 | An ASCA Observation of M51 (NGC 5194): Iron K Emission from an Obscured Active Galactic Nucleus. Astrophysical Journal, 1998, 496, 210-215. | 4.5 | 29 |
| 41 | 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 |
| 42 | Soft x-ray spectrometer (SXS): the high-resolution cryogenic spectrometer onboard ASTRO-H. Proceedings of SPIE, 2014, , . | 0.8 | 29 |
| 43 | Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 29 |
| 44 | Development of mechanical cryocoolers for Astro-H/SXS. Cryogenics, 2010, 50, 500-506. | 1.7 | 28 |
| 45 | ASCA Observations of Two Ultraluminous IRAS Galaxies: IRAS 15307+3252 and IRAS 20460+1925. Publication of the Astronomical Society of Japan, 1997, 49, 179-185. | 2.5 | 27 |
| 46 | Hitomi observation of radio galaxy NGC 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 |
| 47 | 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 |
| 48 | Detailed Hard X-Ray Measurements of Nuclear Emission from the Seyfert2 Galaxy NGC4388 with Suzaku. Publication of the Astronomical Society of Japan, 2008, 60, S263-S276. | 2.5 | 26 |
| 49 | X-Ray Observations of the BL Lacertae Object OJ 287 with ASCA. Publication of the Astronomical Society of Japan, 1997, 49, 631-637. | 2.5 | 25 |
| 50 | Cooling system for the soft X-ray spectrometer onboard Astro-H. Cryogenics, 2010, 50, 488-493. | 1.7 | 25 |
| 51 | Detection of an Iron Emission Feature from the Lensed Broad Absorption Line QSO H1413+117 at [CLC][ITAL]z[ITAL]/[CLC] = 2.56. Astrophysical Journal, 2001, 563, L103-L106. | 4.5 | 24 |
| 52 | 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 |
| 53 | The detector subsystem for the SXS instrument on the ASTRO-H Observatory. Proceedings of SPIE, 2010, , . | 0.8 | 21 |
| 54 | 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 |

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| 55 | Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 21 |
| 56 | Temperature structure in the Perseus cluster core observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 20 |
| 57 | EDGE: Explorer of diffuse emission and gamma-ray burst explosions. Experimental Astronomy, 2009, 23, 67-89. | 3.7 | 19 |
| 58 | The High-Resolution X-Ray Microcalorimeter Spectrometer, SXS, on Astro-H. Journal of Low Temperature Physics, 2012, 167, 795-802. | 1.4 | 19 |
| 59 | X-ray beaming caused by resonance scattering in the accretion column of magnetic cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2001, 328, 112-126. | 4.4 | 18 |
| 60 | DIOS: the diffuse intergalactic oxygen surveyor. , 2006, , . | | 17 |
| 61 | 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 |
| 62 | 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 |
| 63 | Temporal Gain Correction for X-ray Calorimeter Spectrometers. Journal of Low Temperature Physics, 2016, 184, 498-504. | 1.4 | 16 |
| 64 | 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 |
| 65 | The Lack of Strong O Line Excess in the Coma Cluster Outskirts from Suzaku. Astrophysical Journal, 2008, 680, 1049-1052. | 4.5 | 15 |
| 66 | In-orbit operation of the ASTRO-H SXS. , 2016, , . | | 15 |
| 67 | The microcalorimeter spectrometer on the ASTRO-E X-ray observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 170-174. | 1.6 | 14 |
| 68 | Design and on-orbit operation of the adiabatic demagnetization refrigerator on the Hitomi Soft X-ray Spectrometer instrument. , 2016, , . | | 14 |
| 69 | In-orbit performance of a helium dewar for the soft X-ray spectrometer onboard ASTRO-H. Cryogenics, 2018, 91, 27-35. | 1.7 | 14 |
| 70 | <title>ASTRO-E/XRS blocking-filter calibration</title>. , 1999, , . | | 12 |
| 71 | Sn electrodeposition process for fabricating microabsorber arrays for an X-ray microcalorimeter. Journal of Electroanalytical Chemistry, 2003, 559, 143-148. | 3.8 | 12 |
| 72 | Present performance of a single pixel Ti/Au bilayer TES calorimeter. , 2003, 4851, 831. | | 12 |

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| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | Multi-pixel readout of transition-edge sensors using a multi-input SQUID. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 436, 252-255. | 1.6 | 11 |
| 77 | <title>Design and performance of the ASTRO-E/XRS microcalorimeter array and anticoincidence detector</title>. , 1999, , . | | 11 |
| 78 | DIOS: the diffuse intergalactic oxygen surveyor: status and prospects. , 2010, , . | | 11 |
| 79 | Performance of the helium dewar and cryocoolers of ASTRO-H SXS. , 2016, , . | | 11 |
| 80 | The x-ray microcalorimeter on the NeXT mission. , 2008, , . | | 11 |
| 81 | <title>ASTRO-E/XRS calibration program and results</title>. , 1999, , . | | 10 |
| 82 | High Sensitive X-ray Microcalorimeter Using Biâ€“Au Microabsorber for Imaging Applications. Japanese Journal of Applied Physics, 2004, 43, 1190-1195. | 1.5 | 10 |
| 83 | The x-ray microcalorimeter spectrometer onboard of IXO. Proceedings of SPIE, 2010, , . | 0.8 | 10 |
| 84 | Cooling system for the soft x-ray spectrometer (SXS) onboard ASTRO-H. Proceedings of SPIE, 2010, , . | 0.8 | 10 |
| 85 | Porous plug and superfluid helium film flow suppressor for the soft X-ray spectrometer onboard Astro-H. Cryogenics, 2010, 50, 507-511. | 1.7 | 10 |
| 86 | In-flight performance of the Soft X-ray Spectrometer detector system on Astro-H. , 2016, , . | | 10 |
| 87 | In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer. Proceedings of SPIE, 2016, , . | 0.8 | 10 |
| 88 | In-flight calibration of Hitomi Soft X-ray Spectrometer. (1) Background. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 10 |
| 89 | 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 |
| 90 | The X-Ray Microcalorimeter Spectrometer for the International X-Ray Observatory. , 2009, , . | | 9 |

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| 91 | The x-ray microcalorimeter spectrometer onboard Athena. Proceedings of SPIE, 2012, , . | 0.8 | 9 |
| 92 | Cooling system for the Resolve onboard XRISM. Cryogenics, 2020, 108, 103016. | 1.7 | 9 |
| 93 | The design, implementation, and performance of the Astro-H SXS aperture assembly and blocking filters. , 2016, , . | | 9 |
| 94 | Development of double-stage ADR for future space missions. Cryogenics, 2010, 50, 597-602. | 1.7 | 8 |
| 95 | Vibration isolation system for cryocoolers of Soft X-ray Spectrometer (SXS) onboard ASTRO-H (Hitomi). Proceedings of SPIE, 2016, , . | 0.8 | 8 |
| 96 | Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. , 2016, , . | | 8 |
| 97 | 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 |
| 98 | Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 8 |
| 99 | Hitomi X-ray observation of the pulsar wind nebula G21.5 $\hat{\sim}$ 0.9. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 8 |
| 100 | Super DIOS mission for exploring "dark baryon". , 2020, , . | | 8 |
| 101 | Development of a microcalorimeter array for the Diffuse-Intergalactic Oxygen-Surveyor (DIOS) mission. , 2004, , . | | 7 |
| 102 | Design and on-orbit operation of the soft x-ray spectrometer adiabatic demagnetization refrigerator on the Hitomi observatory. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 7 |
| 103 | In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-ray Spectrometer. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 7 |
| 104 | ASCA Observations of X-ray Emission from Ultra-luminous Infrared Galaxies. Astrophysics and Space Science, 1999, 266, 43-48. | 1.4 | 6 |
| 105 | Development of a superconducting X-ray microcalorimeter with a titanium/gold thin film as a thermometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 180-183. | 1.6 | 6 |
| 106 | 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 |
| 107 | The Astro-E2/XRS-2 helium insert system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 666-668. | 1.6 | 6 |
| 108 | Neon dewar for the X-ray spectrometer onboard Suzaku. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 648-650. | 1.6 | 6 |

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| 109 | 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 |
| 110 | Performance Measurement of the 8-Input SQUIDs for Frequency Domain Multiplexing. Journal of Low Temperature Physics, 2008, 151, 946-951. | 1.4 | 6 |
| 111 | Spectrum-Roentgen-Gamma astrophysical mission. Proceedings of SPIE, 2008, , . | 0.8 | 6 |
| 112 | The Astro-H Soft X-ray Spectrometer (SXS). AIP Conference Proceedings, 2009, , . | 0.4 | 6 |
| 113 | ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549. | 3.7 | 6 |
| 114 | Cryogen-free operation of the Soft X-ray Spectrometer instrument. , 2016, , . | | 6 |
| 115 | Thermal analyses for initial operations of the Soft X-Ray Spectrometer (SXS) onboard ASTRO-H. Proceedings of SPIE, 2016, , . | 0.8 | 6 |
| 116 | Porous plug phase separator and superfluid film flow suppression system for the soft x-ray spectrometer onboard ASTRO-H. , 2016, , . | | 6 |
| 117 | Design, implementation, and performance of the Astro-H soft x-ray spectrometer aperture assembly and blocking filters. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 6 |
| 118 | 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 |
| 119 | Evidence for Solar-Wind Charge-Exchange X-Ray Emission from the Earth's Magnetosheath. Progress of Theoretical Physics Supplement, 2007, 169, 71-74. | 0.1 | 5 |
| 120 | EDGE: explorer of diffuse emission and gamma-ray burst explosions. , 2007, , . | | 5 |
| 121 | Solar system planets observed with Suzaku. Advances in Space Research, 2011, 47, 411-418. | 2.6 | 5 |
| 122 | Development of porous plug phase separator and superfluid film flow suppression system for the Soft X-ray Spectrometer onboard ASTRO-H. Cryogenics, 2012, 52, 178-182. | 1.7 | 5 |
| 123 | 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 |
| 124 | He flow rate measurements on the engineering model for the Astro-H Soft X-ray Spectrometer dewar. Cryogenics, 2014, 64, 189-193. | 1.7 | 5 |
| 125 | Flight model measurements of the porous plug and film flow suppression system for the ASTRO-H Soft X-ray Spectrometer dewar. Cryogenics, 2016, 74, 17-23. | 1.7 | 5 |
| 126 | Hitomi observations of the LMC SNR N132D: Highly redshifted X-ray emission from iron ejecta. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 5 |

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| 127 | 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 |
| 128 | GEANT modeling of the low-earth-orbit cosmic-ray background for the Astro-E2 XRS instrument. , 2004, , . | | 4 |
| 129 | In-flight status of the X-ray observatory Suzaku. , 2007, , . | | 4 |
| 130 | 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 |
| 131 | Development of Adiabatic Demagnetization Refrigerator for X-ray Microcalorimeter Operation. Journal of Low Temperature Physics, 2012, 167, 554-560. | 1.4 | 4 |
| 132 | Glimpse of the highly obscured HMXB IGRâ€œJ16318âˆ”4848 with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, . | 2.5 | 4 |
| 133 | X-ray properties of high-richness CAMIRA clusters in the Hyper Suprime-Cam Subaru Strategic Program field. Publication of the Astronomical Society of Japan, 2020, 72, . | 2.5 | 4 |
| 134 | In-flight performance of the soft x-ray spectrometer detector system on Astro-H. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 4 |
| 135 | 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 |
| 136 | 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 |
| 137 | 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 |
| 138 | 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 |
| 139 | Suzaku/Chandra Emission/Absorption Line Observations of Hot Gas in and around Our Galaxy. Progress of Theoretical Physics Supplement, 2007, 169, 79-83. | 0.1 | 3 |
| 140 | Cryogen-free operation of the Soft X-ray Spectrometer instrument. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1. | 1.8 | 3 |
| 141 | <title>Development of a high-energy-resolution x-ray microcalorimeter using Ti/Au TES</title>. , 1999, 3893, 241. | | 2 |
| 142 | High-speed superconducting x-ray calorimeter using a transition edge sensor. Superconductor Science and Technology, 2002, 15, 133-135. | 3.5 | 2 |
| 143 | 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 |
| 144 | Design of the two-stage series adiabatic demagnetization refrigerator for the NeXT and Spectrum-RG missions. Proceedings of SPIE, 2008, , . | 0.8 | 2 |

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| 145 | The Spektr-RG x-ray calorimeter. Proceedings of SPIE, 2008, , . | 0.8 | 2 |
| 146 | Performance test of Ti ⁺ Au bilayer TES microcalorimeter in combination with continuous ADR. AIP Conference Proceedings, 2009, , . | 0.4 | 2 |
| 147 | Magnetic Shielding of an Adiabatic Demagnetization Refrigerator for TES Microcalorimeter Operation. Journal of Low Temperature Physics, 2014, 176, 1075-1081. | 1.4 | 2 |
| 148 | Operation of an ADR using helium exchange gas as a substitute for a failed heat switch. Cryogenics, 2014, 64, 207-212. | 1.7 | 2 |
| 149 | Porous plug phase separator and superfluid film flow suppression system for the soft x-ray spectrometer onboard Hitomi. Journal of Astronomical Telescopes, Instruments, and Systems, 2017, 4, 1. | 1.8 | 2 |
| 150 | In-orbit operation of the soft x-ray spectrometer onboard the Hitomi satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2017, 4, 1. | 1.8 | 2 |
| 151 | Development of Bi Electrodeposition Process for Fabricating Microabsorber Array for High Sensitive X-ray Imaging Sensor. Electrochemistry, 2004, 72, 424-426. | 1.4 | 2 |
| 152 | ASCA observations of ultra luminous infrared galaxies " evolution from starburst to AGN ?. Astronomische Nachrichten, 1999, 320, 246-247. | 1.2 | 1 |
| 153 | <title>Improvements of an x-ray microcalorimeter for detecting cosmic rays</title>. , 2000, , . | | 1 |
| 154 | Prototype of the multi-pixel X-ray microcalorimeter. , 0, , . | | 1 |
| 155 | Multipixel readout of TES calorimeters. , 2003, , . | | 1 |
| 156 | Prototype of the high sensitive X-ray microcalorimeter for X-ray imaging. Sensors and Actuators A: Physical, 2004, 114, 171-175. | 4.1 | 1 |
| 157 | The XRS Microcalorimeter on Astro-E2. , 2005, , . | | 1 |
| 158 | An analog baseband feedback circuit for TES signals in frequency domain multiplexing. Proceedings of SPIE, 2008, , . | 0.8 | 1 |
| 159 | Low-lying Continuum States in Oxygen Isotopes. , 2009, , . | | 1 |
| 160 | Development of Adiabatic Demagnetization Refrigerator for X-ray microcalorimeter experiments. , 2009, , . | | 1 |
| 161 | Development of an Adiabatic Demagnetization Refrigerator for X-ray Microcalorimeter Operations. , 2010, , . | | 1 |
| 162 | Suzaku observations of charge exchange emission from solar system objects. Astronomische Nachrichten, 2012, 333, 319-323. | 1.2 | 1 |

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| 163 | X-ray study of extended emission around M86 observed with Suzaku. Publication of the Astronomical Society of Japan, 2017, 69, . | 2.5 | 1 |
| 164 | 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. | 1.8 | 1 |
| 165 | Transition edge X-ray sensors for industrial applications. Physica B: Condensed Matter, 2003, 329-333, 1619-1620. | 2.7 | 0 |
| 166 | A via hole based superconducting wiring method for enhanced X-ray image sensors. , 0, , . | | 0 |
| 167 | The filter wheel system for the x-ray spectrometer onboard Astro-E2. , 2004, , . | | 0 |
| 168 | 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 |
| 169 | Temperature Control and Noise Reduction in our Compact ADR System for TES Microcalorimeter Operation. Journal of Low Temperature Physics, 2016, 184, 583-589. | 1.4 | 0 |
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