

Yoichi Yatsu

List of Publications by Year in descending order

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73
papers

2,521
citations

361413

20
h-index

197818

49
g-index

73
all docs

73
docs citations

73
times ranked

3986
citing authors

#	ARTICLE	IF	CITATIONS
1	A GPU-accelerated image reduction pipeline. Publication of the Astronomical Society of Japan, 2021, 73, 14-24.	2.5	2
2	Attitude Determination Algorithm Using Earth Sensor Images and Image Recognition. Transactions of the Japan Society for Aeronautical and Space Sciences, 2021, 64, 82-90.	0.7	2
3	J-GEM optical and near-infrared follow-up of gravitational wave events during LIGO [™] s and Virgo [™] s third observing run. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	8
4	Origin of the in-orbit instrumental background of the Hard X-ray Imager onboard Hitomi. Journal of Astronomical Telescopes, Instruments, and Systems, 2020, 6, .	1.8	3
5	GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. Astrophysical Journal Letters, 2019, 885, L19.	8.3	86
6	Development of a 32-channel ASIC for an X-ray APD detector onboard the ISS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 882, 138-147.	1.6	3
7	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
8	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
9	X-Ray, Optical, and Near-infrared Monitoring of the New X-Ray Transient MAXI J1820+070 in the Low/Hard State. Astrophysical Journal, 2018, 868, 54.	4.5	29
10	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
11	Hitomi observations of the LMC SNR N ¹³² : Highly redshifted X-ray emission from iron ejecta. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	5
12	Glimpse of the highly obscured HMXB IGR J16318 ⁺ 4848 with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	4
13	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
14	Late engine activity of GRB ^{161017A} revealed by early optical observations. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	5
15	Modeling of proton-induced radioactivation background in hard X-ray telescopes: Geant4-based simulation and its demonstration by Hitomi [™] s measurement in a low Earth orbit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 891, 92-105.	1.6	12
16	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	29
17	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	57
18	Hitomi observation of radio galaxy NGC ¹²⁷⁵ : The first X-ray microcalorimeter spectroscopy of Fe-K _α line emission from an active galactic nucleus. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	27

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19	Temperature structure in the Perseus cluster core observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	20
20	Hitomi X-ray observation of the pulsar wind nebula G21.5 $\hat{~}$ 0.9. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
21	Conceptual design of a wide-field near UV transient survey in a 6U CubeSat. , 2018, , .		1
22	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15.	8.3	84
23	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. Science, 2017, 358, 1559-1565.	12.6	559
24	Hardware Development and In-orbit Demonstration of the Electrical Power System for TSUBAME High-powered Micro-satellite. Transactions of the Japan Society for Aeronautical and Space Sciences, 2017, 60, 109-115.	0.7	1
25	J-GEM follow-up observations of the gravitational wave source GW151226*. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	22
26	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
27	SPATIALLY RESOLVED SPECTROSCOPY OF A BALMER-DOMINATED SHOCK IN THE CYGNUS LOOP: AN EXTREMELY THIN COSMIC-RAY PRECURSOR?. Astrophysical Journal Letters, 2016, 819, L32.	8.3	16
28	NO EVIDENCE OF INTRINSIC OPTICAL/NEAR-INFRARED LINEAR POLARIZATION FOR V404 CYGNI DURING ITS BRIGHT OUTBURST IN 2015: BROADBAND MODELING AND CONSTRAINT ON JET PARAMETERS. Astrophysical Journal, 2016, 823, 35.	4.5	18
29	Evaluation of a bread board model gamma-ray burst polarimeter toward installation on the international space station. , 2016, , .		1
30	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	27.8	348
31	In-orbit operation of the ASTRO-H SXS. , 2016, , .		15
32	X-RAY AND ROTATIONAL LUMINOSITY CORRELATION AND MAGNETIC HEATING OF RADIO PULSARS. Astrophysical Journal, 2016, 833, 59.	4.5	17
33	Performance of the helium dewar and cryocoolers of ASTRO-H SXS. , 2016, , .		11
34	J-GEM follow-up observations to search for an optical counterpart of the first gravitational wave source GW150914. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	28
35	The soft gamma-ray detector (SGD) onboard ASTRO-H. , 2016, , .		7
36	The Astro-H high resolution soft x-ray spectrometer. Proceedings of SPIE, 2016, , .	0.8	51

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37	The hard x-ray imager (HXI) onboard ASTRO-H. , 2016, , .		6
38	A soft X-ray lag detected in Centaurus A. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	3
39	MULTI-WAVELENGTH OBSERVATIONS OF THE BLACK WIDOW PULSAR 2FGL J2339.6-0532 WITH OISTER AND<i>SUZAKU</i>. Astrophysical Journal, 2015, 802, 84.	4.5	8
40	The ASTRO-H X-ray astronomy satellite. Proceedings of SPIE, 2014, , .	0.8	45
41	Development of soft x-ray large solid angle camera onboard WF-MAXI. , 2014, , .		0
42	Development of the hard x-ray monitor onboard WF-MAXI. , 2014, , .		2
43	The Hard X-ray Imager (HXI) for the ASTRO-H Mission. , 2014, , .		10
44	Pre-flight performance of a micro-satellite TSUBAME for X-ray polarimetry of gamma-ray bursts. Proceedings of SPIE, 2014, , .	0.8	6
45	Wide-field MAXI: soft x-ray transient monitor on the ISS. Proceedings of SPIE, 2014, , .	0.8	4
46	High-z gamma-ray bursts for unraveling the dark ages mission HiZ-GUNDAM. Proceedings of SPIE, 2014, , .	0.8	7
47	Development and verification of signal processing system of BGO active shield onboard Astro-H. , 2014, , .		1
48	Soft gamma-ray detector (SGD) onboard the ASTRO-H mission. Proceedings of SPIE, 2014, , .	0.8	3
49	GRB 130427A: A Nearby Ordinary Monster. Science, 2014, 343, 48-51.	12.6	105
50	SPATIALLY RESOLVED SPECTROSCOPY OF A PULSAR WIND NEBULA IN MSH 15â€“5<i>6</i>. Astrophysical Journal, 2013, 773, 25.	4.5	7
51	Soft gamma-ray detector for the ASTRO-H Mission. Proceedings of SPIE, 2012, , .	0.8	11
52	X-ray gamma-ray polarimetry small satellite PolariS. Proceedings of SPIE, 2012, , .	0.8	1
53	The ASTRO-H X-ray Observatory. Proceedings of SPIE, 2012, , .	0.8	63
54	The Hard X-ray Imager (HXI) for the ASTRO-H mission. , 2012, , .		13

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55	Development micro-satellite Tsubame for polarimetry of gamma-ray bursts. Proceedings of SPIE, 2011, , .	0.8	2
56	Searching for X-ray counterparts of Fermi Gamma-ray pulsars in Suzaku observations. Proceedings of the International Astronomical Union, 2011, 7, 317-318.	0.0	1
57	Study of very early phase GRB afterglows with MITSuME. Proceedings of the International Astronomical Union, 2011, 7, 387-388.	0.0	0
58	Development of a micro-satellite Tsubame for X-ray polarimetry of GRBs. Proceedings of the International Astronomical Union, 2011, 7, 423-424.	0.0	1
59	INSIGHTS INTO THE HIGH-ENERGY γ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE <i>FERMI</i> ERA. Astrophysical Journal, 2011, 727, 129.	4.5	185
60	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. Astrophysical Journal, 2011, 736, 131.	4.5	261
61	Hard x-ray imager (HXI) for the ASTRO-H Mission. , 2010, , .		21
62	The ASTRO-H Mission. Proceedings of SPIE, 2010, , .	0.8	125
63	Discovery of the Inner Ring around PSR B1509-58. Publication of the Astronomical Society of Japan, 2009, 61, 129-135.	2.5	13
64	Tsubame: toward the Frontier of X-ray/Gamma-ray Polarimetry in Astronomy. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Tm_31-Tm_35.	0.2	1
65	MITSuME: multicolor optical-NIR telescopes for GRB afterglows. AIP Conference Proceedings, 2008, , .	0.4	3
66	X-ray polarimetry small satellite Tsubame. AIP Conference Proceedings, 2008, , .	0.4	0
67	Hole multiplication in a reverse-type avalanche photodiode. , 2007, , .		2
68	Temperature effects in reverse-type avalanche photodiodes. , 2007, , .		1
69	Development of MITSuME—Multicolor imaging telescopes for survey and monstrous explosions. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 434-437.	2.7	12
70	Near-infrared, optical, and X-ray observations of the anomalous X-ray pulsar 4U 0142+61. Advances in Space Research, 2005, 35, 1177-1180.	2.6	15
71	Performance of the most recent avalanche photodiodes for future x-ray and gamma-ray astronomy. , 2004, , .		7
72	Hu-ring: a small university satellite for gamma-ray burst. , 2004, , .		2

#	ARTICLE	IF	CITATIONS
73	Robotic telescope for rapid gamma-ray burst follow-up observations. , 2004, , .		0