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	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. Science, 2017, 358, 1559-1565.	12.6	559
2	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	27.8	348
3	FERMILARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. Astrophysical Journal, 2011, 736, 131.	4.5	261
4	INSIGHTS INTO THE HIGH-ENERGY Î³-RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THEFERMIERA. Astrophysical Journal, 2011, 727, 129.	4.5	185
5	The ASTRO-H Mission. Proceedings of SPIE, 2010, , .	0.8	125
6	GRB 130427A: A Nearby Ordinary Monster. Science, 2014, 343, 48-51.	12.6	105
7	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
8	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15.	8.3	84
9	The ASTRO-H X-ray Observatory. Proceedings of SPIE, 2012, , .	0.8	63
10	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	57
11	The Astro-H high resolution soft x-ray spectrometer. Proceedings of SPIE, 2016, , .	0.8	51
12	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
13	The ASTRO-H X-ray astronomy satellite. Proceedings of SPIE, 2014, , .	0.8	45
14	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
15	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	29
16	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
17	Hitomi observation of radio galaxy NGCâ€‰1275: The first X-ray microcalorimeter spectroscopy of Fe-KÎ± line emission from an active galactic nucleus. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	27
18	J-GEM follow-up observations of the gravitational wave source GW151226*. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	22

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19	Hard x-ray imager (HXI) for the ASTRO-H Mission. , 2010, , .		21
20	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
21	Temperature structure in the Perseus cluster core observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	20
22	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
23	X-RAY AND ROTATIONAL LUMINOSITY CORRELATION AND MAGNETIC HEATING OF RADIO PULSARS. Astrophysical Journal, 2016, 833, 59.	4.5	17
24	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
25	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
26	In-orbit operation of the ASTRO-H SXS. , 2016, , .		15
27	Discovery of the Inner Ring around PSR B1509$-$58. Publication of the Astronomical Society of Japan, 2009, 61, 129-135.	2.5	13
28	The Hard X-ray Imager (HXI) for the ASTRO-H mission. , 2012, , .		13
29	Development of MITSuMEâ€”Multicolor imaging telescopes for survey and monstrous explosions. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 434-437.	2.7	12
30	Modeling of proton-induced radioactivation background in hard X-ray telescopes: Geant4-based simulation and its demonstration by Hitomiâ€™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
31	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
32	Soft gamma-ray detector for the ASTRO-H Mission. Proceedings of SPIE, 2012, , .	0.8	11
33	Performance of the helium dewar and cryocoolers of ASTRO-H SXS. , 2016, , .		11
34	The Hard X-ray Imager (HXI) for the ASTRO-H Mission. , 2014, , .		10
35	MULTI-WAVELENGTH OBSERVATIONS OF THE BLACK WIDOW PULSAR 2FGL J2339.6-0532 WITH OISTER ANDSUZAKU. Astrophysical Journal, 2015, 802, 84.	4.5	8
36	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

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37	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
38	Hitomi X-ray observation of the pulsar wind nebula G21.5â^'0.9. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
39	J-GEM optical and near-infrared follow-up of gravitational wave events during LIGOâ€™s and Virgoâ€™s third observing run. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	8
40	Performance of the most recent avalanche photodiodes for future x-ray and gamma-ray astronomy. , 2004, , .		7
41	SPATIALLY RESOLVED SPECTROSCOPY OF A PULSAR WIND NEBULA IN MSH 15â€“56. Astrophysical Journal, 2013, 773, 25.	4.5	7
42	High-z gamma-ray bursts for unraveling the dark ages mission HiZ-GUNDAM. Proceedings of SPIE, 2014, , .	0.8	7
43	The soft gamma-ray detector (SGD) onboard ASTRO-H. , 2016, , .		7
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	The hard x-ray imager (HXI) onboard ASTRO-H. , 2016, , .		6
46	Hitomi observations of the LMC SNR Nâ€‰132â€‰D: Highly redshifted X-ray emission from iron ejecta. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	5
47	Late engine activity of GRBâ€‰161017A revealed by early optical observations. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	5
48	Wide-field MAXI: soft x-ray transient monitor on the ISS. Proceedings of SPIE, 2014, , .	0.8	4
49	Glimpse of the highly obscured HMXB IGRâ€‰J16318â^'4848 with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	4
50	MITSuME: multicolor opticalâ^•NIR telescopes for GRB afterglows. AIP Conference Proceedings, 2008, , .	0.4	3
51	Soft gamma-ray detector (SGD) onboard the ASTRO-H mission. Proceedings of SPIE, 2014, , .	0.8	3
52	A soft X-ray lag detected in Centaurus A. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	3
53	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
54	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

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55	Hu-ring: a small university satellite for gamma-ray burst. , 2004, , .		2
56	Hole multiplication in a reverse-type avalanche photodiode. , 2007, , .		2
57	Development micro-satellite TSUBAME for polarimetry of gamma-ray bursts. Proceedings of SPIE, 2011, , .	0.8	2
58	Development of the hard x-ray monitor onboard WF-MAXI. , 2014, , .		2
59	A GPU-accelerated image reduction pipeline. Publication of the Astronomical Society of Japan, 2021, 73, 14-24.	2.5	2
60	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
61	Temperature effects in reverse-type avalanche photodiodes. , 2007, , .		1
62	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
63	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
64	X-ray gamma-ray polarimetry small satellite PolariS. Proceedings of SPIE, 2012, , .	0.8	1
65	Development and verification of signal processing system of BGO active shield onboard Astro-H. , 2014, , .		1
66	Evaluation of a bread board model gamma-ray burst polarimeter toward installation on the international space station. , 2016, , .		1
67	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
68	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
69	Conceptual design of a wide-field near UV transient survey in a 6U CubeSat. , 2018, , .		1
70	X-ray polarimetry small satellite TSUBAME. AIP Conference Proceedings, 2008, , .	0.4	0
71	Study of very early phase GRB afterglows with MITSuME. Proceedings of the International Astronomical Union, 2011, 7, 387-388.	0.0	0
72	Development of soft x-ray large solid angle camera onboard WF-MAXI. , 2014, , .		0

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