

# Kouichi Hagino

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,096  
citations

471509

17  
h-index

395702

33  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1280  
citing authors

#	ARTICLE	IF	CITATIONS
1	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016, 535, 117-121.	27.8	348
2	The Si/CdTe semiconductor Compton camera of the ASTRO-H Soft Gamma-ray Detector (SGD). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 765, 192-201.	1.6	60
3	The origin of ultrafast outflows in AGN: Monte Carlo simulations of the wind in PDS 456. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 663-676.	4.4	59
4	A disc wind interpretation of the strong Fe K $\alpha$ features in 1H 0707 $\alpha$ ~495. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3954-3963.	4.4	57
5	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	57
6	The ASTRO-H (Hitomi) x-ray astronomy satellite. <i>Proceedings of SPIE</i> , 2016, , .	0.8	47
7	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, .	2.5	46
8	SERENDIPITOUS DISCOVERY OF AN EXTENDED X-RAY JET WITHOUT A RADIO COUNTERPART IN A HIGH-REDSHIFT QUASAR. <i>Astrophysical Journal Letters</i> , 2016, 816, L15.	8.3	30
9	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	29
10	Hard x-ray imager onboard Hitomi (ASTRO-H). <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.8	29
11	Hitomi observation of radio galaxy NGC~1275: The first X-ray microcalorimeter spectroscopy of Fe-K $\alpha$ line emission from an active galactic nucleus. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	27
12	The Si/CdTe semiconductor camera of the ASTRO-H Hard X-ray Imager (HXI). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 831, 235-241.	1.6	25
13	Applications and Imaging Techniques of a Si/CdTe Compton Gamma-Ray Camera. <i>Physics Procedia</i> , 2012, 37, 859-866.	1.2	22
14	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, .	2.5	21
15	Revisiting the extremely fast disc wind in a gravitationally lensed quasar APM 08279+5255. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1442-1452.	4.4	20
16	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	20
17	X-ray short-time lags in the Fe-K energy band produced by scattering clouds in active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 971-982.	4.4	18
18	X-ray reverberation lags of the Fe~K line due to AGN disc winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5316-5326.	4.4	17

#	ARTICLE	IF	CITATIONS
19	ON THE INTERACTION OF THE PKS B1358+113 RADIO GALAXY WITH THE A1836 CLUSTER. <i>Astrophysical Journal</i> , 2014, 794, 164.	4.5	15
20	Kyoto's event-driven x-ray astronomy SOI pixel sensor for the FORCE mission. , 2018, , .		14
21	Development of 60 $\times$ pitch CdTe double-sided strip detectors for the FOXSI-3 sounding rocket experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 924, 468-472.	1.6	13
22	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. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 891, 92-105.	1.6	12
23	Performance of the Silicon-On-Insulator pixel sensor for X-ray astronomy, XRPIX6E, equipped with pinned depleted diode structure. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 924, 468-472.	1.6	12
24	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, .	2.5	8
25	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
26	Hitomi X-ray observation of the pulsar wind nebula G21.5+0.9. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
27	Proton radiation damage experiment for X-ray SOI pixel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 924, 457-461.	1.6	8
28	The soft gamma-ray detector (SGD) onboard ASTRO-H. , 2016, , .		7
29	Imaging and spectral performance of CdTe double-sided strip detectors for the hard x-ray imager onboard ASTRO-H. , 2012, , .		6
30	The hard x-ray imager (HXI) onboard ASTRO-H. , 2016, , .		6
31	X-ray response evaluation in subpixel level for X-ray SOI pixel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 924, 462-467.	1.6	6
32	Radiation damage effects on double-SOI pixel sensors for X-ray astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 978, 164435.	1.6	6
33	Hitomi observations of the LMC SNR N132D: Highly redshifted X-ray emission from iron ejecta. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	5
34	Low-energy X-ray performance of SOI pixel sensors for astronomy, $\propto$ XRPIX. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 986, 164745.	1.6	5
35	ON THE MERGING CLUSTER ABELL 578 AND ITS CENTRAL RADIO GALAXY 4C+67.13. <i>Astrophysical Journal</i> , 2015, 805, 101.	4.5	4
36	Glimpse of the highly obscured HMXB IGR J16318+4848 with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	4

#	ARTICLE	IF	CITATIONS
37	Evaluation of Kyoto's event-driven X-ray astronomical SOI pixel sensor with a large imaging area. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 400-403.	1.6	4
38	Proton radiation hardness of x-ray SOI pixel sensors with pinned depleted diode structure. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	3
39	Ghost-ray reduction and early results from the third FOXSI sounding rocket flight. , 2019, , .		3
40	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
41	X-ray radiation damage effects on double-SOI pixel detectors for the future astronomical satellite FORCE. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	2
42	Development and verification of signal processing system of BGO active shield onboard Astro-H. , 2014, , .		1
43	Measurement of Charge Cloud Size in X-Ray SOI Pixel Sensors. IEEE Transactions on Nuclear Science, 2019, 66, 1897-1905.	2.0	1
44	The Si/CdTe semiconductor detector for hard X-ray imager (HXI) onboard ASTRO-H. , 2012, , .		0
45	Development of the detector simulation framework for the Wideband Hybrid X-ray Imager onboard FORCE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 979, 164433.	1.6	0