

Yoshiyuki Inoue

List of Publications by Year in descending order

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83
papers

4,764
citations

136950

32
h-index

91884

69
g-index

85
all docs

85
docs citations

85
times ranked

4495
citing authors

#	ARTICLE	IF	CITATIONS
1	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	3.7	640
2	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013, 43, 3-18.	4.3	504
3	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016, 535, 117-121.	27.8	348
4	THE FIRST <i>FERMI</i> -LAT GAMMA-RAY BURST CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2013, 209, 11.	7.7	232
5	Fermi-LAT Observations of the Gamma-Ray Burst GRB 130427A. <i>Science</i> , 2014, 343, 42-47.	12.6	211
6	Diffuse neutrino intensity from the inner jets of active galactic nuclei: Impacts of external photon fields and the blazar sequence. <i>Physical Review D</i> , 2014, 90, .	4.7	202
7	THE ORIGIN OF THE EXTRAGALACTIC GAMMA-RAY BACKGROUND AND IMPLICATIONS FOR DARK MATTER ANNIHILATION. <i>Astrophysical Journal Letters</i> , 2015, 800, L27.	8.3	179
8	EXTRAGALACTIC BACKGROUND LIGHT FROM HIERARCHICAL GALAXY FORMATION: GAMMA-RAY ATTENUATION UP TO THE EPOCH OF COSMIC REIONIZATION AND THE FIRST STARS. <i>Astrophysical Journal</i> , 2013, 768, 197.	4.5	125
9	CONTRIBUTION OF GAMMA-RAY-LOUD RADIO GALAXIES' CORE EMISSIONS TO THE COSMIC MeV AND GeV GAMMA-RAY BACKGROUND RADIATION. <i>Astrophysical Journal</i> , 2011, 733, 66.	4.5	124
10	THE BLAZAR SEQUENCE AND THE COSMIC GAMMA-RAY BACKGROUND RADIATION IN THE <i>FERMI</i> ERA. <i>Astrophysical Journal</i> , 2009, 702, 523-536.	4.5	105
11	HIGH-ENERGY GAMMA-RAY EMISSION FROM SOLAR FLARES: SUMMARY OF <i>FERMI</i> LARGE AREA TELESCOPE DETECTIONS AND ANALYSIS OF TWO M-CLASS FLARES. <i>Astrophysical Journal</i> , 2014, 787, 15.	4.5	100
12	IMPULSIVE AND LONG DURATION HIGH-ENERGY GAMMA-RAY EMISSION FROM THE VERY BRIGHT 2012 MARCH 7 SOLAR FLARES. <i>Astrophysical Journal</i> , 2014, 789, 20.	4.5	96
13	CONSTRAINTS ON THE GALACTIC POPULATION OF TeV PULSAR WIND NEBULAE USING <i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 773, 77.	4.5	94
14	New X-ray bound on density of primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 034-034.	5.4	89
15	<i>SUZAKU</i> OBSERVATIONS OF THE DIFFUSE X-RAY EMISSION ACROSS THE FERMI BUBBLES' EDGES. <i>Astrophysical Journal</i> , 2013, 779, 57.	4.5	88
16	Photopion production in black-hole jets and flat-spectrum radio quasars as PeV neutrino sources. <i>Journal of High Energy Astrophysics</i> , 2014, 3-4, 29-40.	6.7	88
17	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. <i>Astrophysical Journal Letters</i> , 2017, 837, L15.	8.3	84
18	The ASTRO-H X-ray Observatory. <i>Proceedings of SPIE</i> , 2012, , .	0.8	63

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19	Gamma-ray burst science in the era of the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , 2013, 43, 252-275.	4.3	58
20	Surveys with the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , 2013, 43, 317-330.	4.3	57
21	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	57
22	Spatial Distribution of the Milky Way Hot Gaseous Halo Constrained by Suzaku X-Ray Observations. <i>Astrophysical Journal</i> , 2018, 862, 34.	4.5	56
23	The Cosmic MeV Gamma-Ray Background and Hard X-Ray Spectra of Active Galactic Nuclei: Implications for the Origin of Hot AGN Coronae. <i>Astrophysical Journal</i> , 2008, 672, L5-L8.	4.5	50
24	THE <i>FERMI</i> ALL-SKY VARIABILITY ANALYSIS: A LIST OF FLARING GAMMA-RAY SOURCES AND THE SEARCH FOR TRANSIENTS IN OUR GALAXY. <i>Astrophysical Journal</i> , 2013, 771, 57.	4.5	47
25	The ASTRO-H (Hitomi) x-ray astronomy satellite. <i>Proceedings of SPIE</i> , 2016, , .	0.8	47
26	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
27	The ASTRO-H X-ray astronomy satellite. <i>Proceedings of SPIE</i> , 2014, , .	0.8	45
28	Active Galactic Nuclei under the scrutiny of CTA. <i>Astroparticle Physics</i> , 2013, 43, 215-240.	4.3	42
29	On the Origin of High-energy Neutrinos from NGC 1068: The Role of Nonthermal Coronal Activity. <i>Astrophysical Journal Letters</i> , 2020, 891, L33.	8.3	42
30	X-Ray and Gamma-Ray Observations of the Fermi Bubbles and NPS/Loop I Structures. <i>Galaxies</i> , 2018, 6, 27.	3.0	41
31	On High-energy Particles in Accretion Disk Coronae of Supermassive Black Holes: Implications for MeV Gamma-rays and High-energy Neutrinos from AGN Cores. <i>Astrophysical Journal</i> , 2019, 880, 40.	4.5	41
32	GLOBAL STRUCTURE OF ISOTHERMAL DIFFUSE X-RAY EMISSION ALONG THE FERMI BUBBLES. <i>Astrophysical Journal</i> , 2015, 807, 77.	4.5	34
33	Detection of Coronal Magnetic Activity in nearby Active Supermassive Black Holes. <i>Astrophysical Journal</i> , 2018, 869, 114.	4.5	34
34	BARYON LOADING EFFICIENCY AND PARTICLE ACCELERATION EFFICIENCY OF RELATIVISTIC JETS: CASES FOR LOW LUMINOSITY BL LACS. <i>Astrophysical Journal</i> , 2016, 828, 13.	4.5	33
35	Constraining Primordial Black Holes with Dwarf Galaxy Heating. <i>Astrophysical Journal Letters</i> , 2021, 908, L23.	8.3	30
36	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

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37	Inferred Cosmic-Ray Spectrum from Fermi Large Area Telescope $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{\Gamma}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Ray Observations of Earth's Limb. <i>Physical Review Letters</i> , 2014, 112, 151103.	7.8	28
38	Hitomi observation of radio galaxy NGC 1275: The first X-ray microcalorimeter spectroscopy of Fe-K \pm line emission from an active galactic nucleus. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	27
39	Upper limit on the cosmological gamma-ray background. <i>Physical Review D</i> , 2012, 86, .	4.7	25
40	<i>Fermi</i> LARGE AREA TELESCOPE DETECTION OF TWO VERY-HIGH-ENERGY ($E > 100$ GeV) $\hat{\Gamma}^3$ -RAY PHOTONS FROM THE $z = 1.1$ BLAZAR PKS 0426-380. <i>Astrophysical Journal Letters</i> , 2013, 777, L18.	8.3	24
41	Unveiling the nature of coronae in active galactic nuclei through submillimeter observations. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, .	2.5	24
42	<i>SUZAKU</i> X-RAY OBSERVATIONS OF THE FERMI BUBBLES: NORTHERNMOST CAP AND SOUTHEAST CLAW DISCOVERED WITH MAXI-SSC. <i>Astrophysical Journal</i> , 2015, 802, 91.	4.5	22
43	Galactic Centre hypershell model for the North Polar Spurs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 108-120.	4.4	22
44	REVISITING THE COSMIC STAR FORMATION HISTORY: CAUTION ON THE UNCERTAINTIES IN DUST CORRECTION AND STAR FORMATION RATE CONVERSION. <i>Astrophysical Journal</i> , 2013, 763, 3.	4.5	21
45	Disk-Jet Connection in Active Supermassive Black Holes in the Standard Accretion Disk Regime. <i>Astrophysical Journal</i> , 2017, 840, 46.	4.5	21
46	HIGH ENERGY GAMMA-RAY ABSORPTION AND CASCADE EMISSION IN NEARBY STARBURST GALAXIES. <i>Astrophysical Journal</i> , 2011, 728, 11.	4.5	20
47	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	20
48	Prospects for a Very High-Energy Blazar Survey by the Next-Generation Cherenkov Telescopes. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 1005-1016.	2.5	19
49	High-frequency excess in the radio continuum spectrum of the type-1 Seyfert galaxy NGC 985. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	2.5	18
50	PROBING THE COSMIC X-RAY AND MeV GAMMA-RAY BACKGROUND RADIATION THROUGH THE ANISOTROPY. <i>Astrophysical Journal</i> , 2013, 776, 33.	4.5	17
51	Variable optical polarization during high state in $\hat{\Gamma}^3$ -ray loud, narrow-line Seyfert 1 galaxy 1H 0323+342. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, .	2.5	17
52	Evidence for Higher Black Hole Spin in Radio-loud Quasars. <i>Astrophysical Journal</i> , 2017, 849, 4.	4.5	16
53	Blazar Radio and Optical Survey (BROS): A Catalog of Blazar Candidates Showing Flat Radio Spectrum and Their Optical Identification in Pan-STARRS1 Surveys. <i>Astrophysical Journal</i> , 2020, 901, 3.	4.5	15
54	Potential of EBL and cosmology studies with the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , 2013, 43, 241-251.	4.3	14

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55	Inverse Compton Scattering of Starlight in the Kiloparsec-scale Jet in Centaurus A: The Origin of Excess TeV γ -Ray Emission. <i>Astrophysical Journal</i> , 2019, 878, 139.	4.5	13
56	Searching for the most distant blazars with the Fermi Gamma-ray Space Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 464-468.	4.4	12
57	Binary black hole merger rates inferred from luminosity function of ultra-luminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 4329-4334.	4.4	12
58	A significant hardening and rising shape detected in the MeV/GeV γ -ray spectrum from the recently discovered very-high-energy blazar S4 \hat{a} €%0954+65 during the bright optical flare in 2015 February. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	2.5	12
59	Diffuse X-Ray Emission from the Northern Arc of Loop I Observed with Suzaku. <i>Astrophysical Journal</i> , 2018, 862, 88.	4.5	12
60	Multiwavelength Emission from Galactic Jets: The Case of the Microquasar SS433. <i>Astrophysical Journal</i> , 2020, 889, 146.	4.5	12
61	Interstellar gas heating by primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 017.	5.4	12
62	Prospects for future very high-energy gamma-ray sky survey: Impact of secondary gamma rays. <i>Astroparticle Physics</i> , 2014, 54, 118-124.	4.3	10
63	Origin of Galactic Spurs: New Insight from Radio/X-Ray All-sky Maps. <i>Astrophysical Journal</i> , 2021, 908, 14.	4.5	10
64	Gamma-Ray and Neutrino Signals from Accretion Disk Coronae of Active Galactic Nuclei. <i>Galaxies</i> , 2021, 9, 36.	3.0	10
65	Metal enrichment in the Fermi bubbles as a probe of their origin. <i>Publication of the Astronomical Society of Japan</i> , 2015, 67, .	2.5	8
66	LOWER BOUND ON THE COSMIC TeV GAMMA-RAY BACKGROUND RADIATION. <i>Astrophysical Journal</i> , 2016, 818, 187.	4.5	8
67	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
68	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
69	Hitomi X-ray observation of the pulsar wind nebula G21.5 \hat{a} ˆ0.9. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
70	Cosmological Evolution of Flat-spectrum Radio Quasars Based on the Swift/BAT 105 Month Catalog and Their Contribution to the Cosmic MeV Gamma-Ray Background Radiation. <i>Astrophysical Journal</i> , 2020, 896, 172.	4.5	8
71	UPPER BOUND ON THE FIRST STAR FORMATION HISTORY. <i>Astrophysical Journal Letters</i> , 2014, 781, L35.	8.3	7
72	High energy gamma rays from nebulae associated with extragalactic microquasars and ultra-luminous X-ray sources. <i>Astroparticle Physics</i> , 2017, 90, 14-19.	4.3	6

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73	Extragalactic Gamma-ray Background Radiation from Beamed and Unbeamed Active Galactic Nuclei. Journal of Physics: Conference Series, 2012, 355, 012037.	0.4	5
74	Hitomi observations of the LMC SNR N49: Highly redshifted X-ray emission from iron ejecta. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	5
75	High-energy Emission Component, Population, and Contribution to the Extragalactic Gamma-Ray Background of Gamma-Ray-emitting Radio Galaxies. Astrophysical Journal, 2022, 931, 138.	4.5	5
76	X-RAY AND RADIO FOLLOW-UP OBSERVATIONS OF HIGH-REDSHIFT BLAZAR CANDIDATES IN THE FERMI-LAT UNASSOCIATED SOURCE POPULATION. Astrophysical Journal, 2013, 773, 36.	4.5	4
77	Prospect for future MeV gamma-ray active galactic nuclei population studies. Publication of the Astronomical Society of Japan, 2015, 67, .	2.5	4
78	Cherenkov telescope array extragalactic survey discovery potential and the impact of axion-like particles and secondary gamma rays. Astroparticle Physics, 2017, 93, 8-16.	4.3	4
79	A fundamental plane in X-ray binary activity of external galaxies. Publication of the Astronomical Society of Japan, 2021, 73, 1315-1332.	2.5	4
80	Follow-up observations for IceCube-170922A: Detection of rapid near-infrared variability and intensive monitoring of TXS0506+056. Publication of the Astronomical Society of Japan, 2021, 73, 25-43.	2.5	4
81	Physical Conditions and Particle Acceleration in the Kiloparsec Jet of Centaurus A. Astrophysical Journal Letters, 2020, 901, L27.	8.3	3
82	Cross-match between the Latest Swift-BAT and Fermi-LAT Catalogs. Astrophysical Journal, 2021, 916, 28.	4.5	2
83	Spatial Variations of Magnetic Field along Active Galactic Nuclei Jets on Sub-parsec to Megaparsec Scales. Astrophysical Journal, 2021, 916, 95.	4.5	2