

# Hiroya Yamaguchi

## List of Publications by Year in descending order

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48  
papers

2,878  
citations

331538

21  
h-index

223716

46  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1656  
citing authors

#	ARTICLE	IF	CITATIONS
1	X-Ray Imaging Spectrometer (XIS) on Board Suzaku. Publication of the Astronomical Society of Japan, 2007, 59, S23-S33.	1.0	857
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.	1.0	380
3	Reproducibility of Non-X-Ray Background for the X-Ray Imaging Spectrometer aboard Suzaku. Publication of the Astronomical Society of Japan, 2008, 60, S11-S24.	1.0	267
4	DISCRIMINATING THE PROGENITOR TYPE OF SUPERNOVA REMNANTS WITH IRON K-SHELL EMISSION. Astrophysical Journal Letters, 2014, 785, L27.	3.0	128
5	A CHANDRASEKHAR MASS PROGENITOR FOR THE TYPE Ia SUPERNOVA REMNANT 3C 397 FROM THE ENHANCED ABUNDANCES OF NICKEL AND MANGANESE. Astrophysical Journal Letters, 2015, 801, L31.	3.0	103
6	EXPANSION VELOCITY OF EJECTA IN TYCHO'S SUPERNOVA REMNANT MEASURED BY DOPPLER BROADENED X-RAY LINE EMISSION. Astrophysical Journal, 2010, 725, 894-903.	1.6	95
7	X-RAY MEASURED DYNAMICS OF TYCHO'S SUPERNOVA REMNANT. Astrophysical Journal, 2010, 709, 1387-1395.	1.6	86
8	Concept of the X-ray Astronomy Recovery Mission. , 2018, , .		85
9	Performance of the Charge-Injection Capability of Suzaku XIS. Publication of the Astronomical Society of Japan, 2008, 60, S1-S9.	1.0	62
10	Recombining Plasma and Hard X-Ray Filament in the Mixed-Morphology Supernova Remnant W 44. Publication of the Astronomical Society of Japan, 2012, 64, .	1.0	59
11	X-Ray Spectroscopy of SN 1006 with Suzaku. Publication of the Astronomical Society of Japan, 2008, 60, S141-S151.	1.0	56
12	X-Ray Spectrum of a Peculiar Supernova Remnant, G 359.1-0.5. Publication of the Astronomical Society of Japan, 2011, 63, 527-533.	1.0	56
13	NEW EVIDENCE FOR EFFICIENT COLLISIONLESS HEATING OF ELECTRONS AT THE REVERSE SHOCK OF A YOUNG SUPERNOVA REMNANT. Astrophysical Journal, 2014, 780, 136.	1.6	53
14	UNRAVELING THE ORIGIN OF OVERIONIZED PLASMA IN THE GALACTIC SUPERNOVA REMNANT W49B. Astrophysical Journal, 2013, 777, 145.	1.6	36
15	ASYMMETRIC EJECTA DISTRIBUTION IN SN 1006. Astrophysical Journal, 2013, 771, 56.	1.6	34
16	Observational Evidence for High Neutronization in Supernova Remnants: Implications for Type Ia Supernova Progenitors. Astrophysical Journal, 2017, 843, 35.	1.6	33
17	Numerical Simulations of Supernova Remnant Evolution in a Cloudy Interstellar Medium. Astrophysical Journal, 2017, 846, 77.	1.6	31
18	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	29

#	ARTICLE	IF	CITATIONS
19	THE ORIGIN OF THE IRON-RICH KNOT IN TYCHO'S SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2017, 834, 124.	1.6	28
20	Suzaku Observation of the RCW86 Northeastern Shell. <i>Publication of the Astronomical Society of Japan</i> , 2008, 60, S123-S129.	1.0	26
21	Suzaku View of the Supernova Remnant RCW 86: X-Ray Studies of Newly-Discovered Fe-Rich Ejecta. <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, S837-S848.	1.0	26
22	The Transition from Young to Middle-aged Supernova Remnants: Thermal and Nonthermal Aspects of SNR N132D. <i>Astrophysical Journal</i> , 2018, 854, 71.	1.6	26
23	The Three-dimensional Expansion of the Ejecta from Tycho's Supernova Remnant. <i>Astrophysical Journal</i> , 2017, 842, 28.	1.6	21
24	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, .	1.0	21
25	Evidence for Rapid Adiabatic Cooling as an Origin of the Recombining Plasma in the Supernova Remnant W49B Revealed by NuSTAR Observations. <i>Astrophysical Journal Letters</i> , 2018, 868, L35.	3.0	21
26	N49: THE FIRST ROBUST DISCOVERY OF RECOMBINING PLASMA IN AN EXTRA GALACTIC SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2015, 808, 77.	1.6	20
27	THE REFINED SHOCK VELOCITY OF THE X-RAY FILAMENTS IN THE RCW 86 NORTHEAST RIM. <i>Astrophysical Journal Letters</i> , 2016, 820, L3.	3.0	20
28	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	20
29	Deep XMM-Newton Observations Reveal the Origin of Recombining Plasma in the Supernova Remnant W44. <i>Astrophysical Journal</i> , 2020, 890, 62.	1.6	18
30	Chandrasekhar and Sub-Chandrasekhar Models for the X-Ray Emission of Type Ia Supernova Remnants. I. Bulk Properties. <i>Astrophysical Journal</i> , 2018, 865, 151.	1.6	17
31	A Suzaku Observation of the Low-Ionization Fe-Line Emission from RCW 86. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, S171-S176.	1.0	16
32	A Nucleosynthetic Origin for the Southwestern Fe-rich Structure in Kepler's Supernova Remnant. <i>Astrophysical Journal</i> , 2020, 890, 104.	1.6	16
33	NuSTAR Detection of Nonthermal Bremsstrahlung from the Supernova Remnant W49B. <i>Astrophysical Journal Letters</i> , 2018, 866, L26.	3.0	14
34	Discovery of a Highly Neutronized Ejecta Clump in the Type Ia Supernova Remnant 3C 397. <i>Astrophysical Journal Letters</i> , 2021, 913, L34.	3.0	13
35	CHANDRA VIEW OF NON-THERMAL EMISSION IN THE NORTHWESTERN REGION OF SUPERNOVA REMNANT RCW 86: PARTICLE ACCELERATION AND MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2013, 779, 49.	1.6	12
36	Discovery of Double-ring Structure in the Supernova Remnant N103B: Evidence for Bipolar Winds from a Type Ia Supernova Progenitor. <i>Astrophysical Journal Letters</i> , 2021, 910, L24.	3.0	12

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37	New insights into SNR evolution revealed by the discovery of recombining plasmas. <i>Advances in Space Research</i> , 2012, 49, 451-457.	1.2	11
38	Rapid Deceleration of Blast Waves Witnessed in Tycho's Supernova Remnant. <i>Astrophysical Journal Letters</i> , 2021, 906, L3.	3.0	10
39	Uniform Distribution of the Extremely Overionized Plasma Associated with the Supernova Remnant G359.1-0.5. <i>Astrophysical Journal</i> , 2020, 893, 147.	1.6	9
40	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, .	1.0	8
41	Asymmetric expansion of the Fe ejecta in Kepler's supernova remnant. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	8
42	Plasma Diagnostics of the Supernova Remnant N132D using Deep XMM-Newton Observations with the Reflection Grating Spectrometer. <i>Astrophysical Journal</i> , 2020, 900, 39.	1.6	7
43	A systematic study of evolved supernova remnants in the large and small Magellanic Clouds with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	1.0	6
44	Recombining plasma in supernova remnants: Discovery and progress in the last decade. <i>Astronomische Nachrichten</i> , 2020, 341, 150-155.	0.6	6
45	An Expanding Shell of Neutral Hydrogen Associated with SN 1006: Hints for the Single-degenerate Origin and Faint Hadronic Gamma-Rays. <i>Astrophysical Journal</i> , 2022, 933, 157.	1.6	6
46	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, .	1.0	5
47	Element Stratification in the Middle-aged SN Ia Remnant G344.7+0.1. <i>Astrophysical Journal</i> , 2020, 897, 62.	1.6	5
48	Extremely over-ionized plasma in the supernova remnant G359.1-0.5. , 2012, , .		0