Masumi Shimojo

List of Publications by Year
in descending order

103	7,184	134610 34	62345 84
papers	citations	h-index	g-index

106	106	106	2486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Over seven decades of solar microwave data obtained with Toyokawa and Nobeyama Radio Polarimeters. Geoscience Data Journal, 2023, 10, 114-129.	1.8	2
2	Simultaneous ALMAâ€“Hinodeâ€“IRIS Observations on Footpoint Signatures of a Soft X-Ray Loop-like Microflare. Astrophysical Journal, 2021, 922, 113.	1.6	8
3	Estimating the Temperature and Density of a Spicule from 100 GHz Data Obtained with ALMA. Astrophysical Journal Letters, 2020, 888, L28.	3.0	15
4	Achievements of Hinode in the first eleven years. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	69
5	Observations of photospheric magnetic structure below a dark filament using the Hinode Spectro-Polarimeter. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	1
6	The Disappearing Solar Filament of 2013 September 29 and Its Large Associated Proton Event: Implications for Particle Acceleration at the Sun. Astrophysical Journal, 2019, 877, 11.	1.6	19
7	First analysis of solar structures in 1.21 mm full-disc ALMA image of the Sun. Astronomy and Astrophysics, 2018, 613, A17.	2.1	26
8	ALMA Observations of the Solar Chromosphere on the Polar Limb. Astrophysical Journal, 2018, 863, 96.	1.6	21
9	Hinode Science Center at NAOJ. Astrophysics and Space Science Library, 2018, , 247-253.	1.0	0
10	The First ALMA Observation of a Solar Plasmoid Ejection from an X-Ray Bright Point. Astrophysical Journal Letters, 2017, 841, L5.	3.0	25
11	ALMA Discovery of Solar Umbral Brightness Enhancement at Î»Â=Â3 mm. Astrophysical Journal Letters, 2017, 841, L20.	3.0	14
12	Variation of the Solar Microwave Spectrum in the Last Half Century. Astrophysical Journal, 2017, 848, 62.	1.6	8
13	Solar ALMA Observations: Constraining the Chromosphere above Sunspots. Astrophysical Journal, 2017, 850, 35.	1.6	24
14	Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): Fast-Scan Single-Dish Mapping. Solar Physics, 2017, 292, 1.	1.0	76
15	The Brightness Temperature of the Quiet Solar Chromosphere at 2.6 mm. Solar Physics, 2017, 292, 1.	1.0	16
16	Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): High-Resolution Interferometric Imaging. Solar Physics, 2017, 292, 1.	1.0	57
17	A First Comparison of Millimeter Continuum and Mg ii Ultraviolet Line Emission from the Solar Chromosphere. Astrophysical Journal Letters, 2017, 845, L19.	3.0	32
18	Strong magnetic field generated by the extreme oxygen-rich red supergiant VY Canis Majoris. Publication of the Astronomical Society of Japan, 2017, 69, .	1.0	8

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19	Solar Coronal Jets: Observations, Theory, and Modeling. Space Science Reviews, 2016, 201, 1-53.	3.7	256
20	Solar Science with the Atacama Large Millimeter/Submillimeter Arrayâ€”A New View of Our Sun. Space Science Reviews, 2016, 200, 1-73.	3.7	113
21	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. Astrophysical Journal Letters, 2015, 808, L1.	3.0	90
22	OBSERVATION OF THE CHROMOSPHERIC SUNSPOT AT MILLIMETER RANGE WITH THE NOBEYAMA 45 m TELESCOPE. Astrophysical Journal, 2015, 804, 48.	1.6	15
23	Constraining hot plasma in a non-flaring solar active region with FOXSI hard X-ray observations. Publication of the Astronomical Society of Japan, 2014, 66, .	1.0	34
24	The soft x-ray photon-counting telescope for solar observations. Proceedings of SPIE, 2014, , .	0.8	1
25	EVIDENCE OF ELECTRON ACCELERATION AROUND THE RECONNECTION X-POINT IN A SOLAR FLARE. Astrophysical Journal, 2014, 787, 125.	1.6	16
26	Coronal-Temperature-Diagnostic Capability of the Hinode/X-Ray Telescope Based on Self-consistent Calibration. II. Calibration with On-Orbit Data. Solar Physics, 2014, 289, 1029-1042.	1.0	31
27	THE THREE-DIMENSIONAL ANALYSIS OFHINODEPOLAR JETS USING IMAGES FROM LASCO C2, THESTEREOCOR2 CORONAGRAPHS, AND SMEI. Astrophysical Journal, 2014, 784, 166.	1.6	28
28	TEMPORAL AND SPATIAL ANALYSES OF SPECTRAL INDICES OF NONTHERMAL EMISSIONS DERIVED FROM HARD X-RAYS AND MICROWAVES. Astrophysical Journal, 2013, 763, 87.	1.6	25
29	A STATISTICAL STUDY OF CORONAL ACTIVE EVENTS IN THE NORTH POLAR REGION. Astrophysical Journal, 2013, 775, 22.	1.6	26
30	Unusual Migration of Prominence Activities in the Southern Hemisphere during Cycles 23-24. Publication of the Astronomical Society of Japan, 2013, 65, .	1.0	13
31	Extremely Microwave-Rich Solar Flare Observed with Nobeyama Radioheliograph. Publication of the Astronomical Society of Japan, 2013, 65, .	1.0	10
32	The soft x-ray photon-counting spectroscopic imager for the sun. Proceedings of SPIE, 2013, , .	0.8	0
33	Unusual migration of the prominence activities in recent solar cycles. Proceedings of the International Astronomical Union, 2013, 8, 161-167.	0.0	2
34	Hinode, the Sun, and public outreach. Proceedings of the International Astronomical Union, 2012, 10, 649-649.	0.0	0
35	SOLAR RADIO TYPE-I NOISE STORM MODULATED BY CORONAL MASS EJECTIONS. Astrophysical Journal, 2012, 744, 167.	1.6	20
36	The x-ray/EUV telescope for the Solar-C mission: science and development activities. , 2012, , .		2

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37	POLAR FIELD REVERSAL OBSERVATIONS WITHHINODE. Astrophysical Journal, 2012, 753, 157.	1.6	72
38	Photon-counting soft x-ray telescope for the Solar-C mission. , 2011, , .		0
39	Coronal-Temperature-Diagnostic Capability ofÂtheÂHinode/X-Ray Telescope Based on Self-Consistent Calibration. Solar Physics, 2011, 269, 169-236.	1.0	59
40	THE RELATION BETWEEN MAGNETIC FIELDS AND CORONAL ACTIVITIES IN THE POLAR CORONAL HOLE. Astrophysical Journal, 2009, 706, L145-L149.	1.6	16
41	IMAGING SPECTROSCOPY ON PREFLARE CORONAL NONTHERMAL SOURCES ASSOCIATED WITH THE 2002 JULY 23 FLARE. Astrophysical Journal, 2009, 695, 1623-1630.	1.6	13
42	A New View of the Sun with Hinode Mission. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Tr_2_15-Tr_2_19.	0.2	0
43	The Hinode X-Ray Telescope (XRT): Camera Design, Performance and Operations. Solar Physics, 2008, 249, 263-279.	1.0	84
44	Vertical Temperature Structures of the Solar Corona Derived with the Hinode X-Ray Telescope. Publication of the Astronomical Society of Japan, 2008, 60, 827-834.	1.0	3
45	Coronal Jet Observed by Hinode as the Source of a ³ He-rich Solar Energetic Particle Event. Astrophysical Journal, 2008, 675, L125-L128.	1.6	47
46	The Magnetic Landscape of the Sun's Polar Region. Astrophysical Journal, 2008, 688, 1374-1381.	1.6	170
47	Suppression of convection around small magnetic concentrations. Astronomy and Astrophysics, 2008, 481, L29-L32.	2.1	22
48	Fine Thermal Structure of a Coronal Active Region. Science, 2007, 318, 1582-1585.	6.0	31
49	Fine Structures of Solar X-Ray Jets Observed with the X-Ray Telescope aboard Hinode. Publication of the Astronomical Society of Japan, 2007, 59, S745-S750.	1.0	62
50	Hinode SP Vector Magnetogram of AR10930 and Its Cross-Comparison with MDI. Publication of the Astronomical Society of Japan, 2007, 59, S625-S630.	1.0	24
51	Evidence for Alfvèn Waves in Solar X-ray Jets. Science, 2007, 318, 1580-1582.	6.0	386
52	Fine-Scale Structures of the Evershed Effect Observed by the Solar Optical Telescope aboard Hinode. Publication of the Astronomical Society of Japan, 2007, 59, S593-S599.	1.0	80
53	A Study of Polar Jet Parameters Based on Hinode XRT Observations. Publication of the Astronomical Society of Japan, 2007, 59, S771-S778.	1.0	159
54	Continuous Plasma Outflows from the Edge of a Solar Active Region as a Possible Source of Solar Wind. Science, 2007, 318, 1585-1588.	6.0	189

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55	Data Archive of the Hinode Mission. Solar Physics, 2007, 243, 87-92.	1.0	15
56	The X-Ray Telescope (XRT) for the Hinode Mission. Solar Physics, 2007, 243, 63-86.	1.0	575
57	The Hinode (Solar-B) Mission: An Overview. Solar Physics, 2007, 243, 3-17.	1.0	1,394
58	The Hinode (Solar-B) Mission: An Overview. , 2007, , 5-19.		4
59	Flare ribbon expansion and energy release. Journal of Astrophysics and Astronomy, 2006, 27, 167-173.	0.4	5
60	One Solar-Cycle Observations of Prominence Activities Using the Nobeyama Radioheliograph 1992-2004. Publication of the Astronomical Society of Japan, 2006, 58, 85-92.	1.0	29
61	Preflare Nonthermal Emission Observed in Microwaves and Hard X-Rays. Publication of the Astronomical Society of Japan, 2006, 58, L1-L5.	1.0	33
62	Three-Dimensional Magnetohydrodynamic Numerical Simulations of Coronal Loop Oscillations Associated with Flares. Publication of the Astronomical Society of Japan, 2004, 56, 207-214.	1.0	17
63	On coronal streamer changes. Advances in Space Research, 2004, 33, 676-680.	1.2	8
64	Focal plane CCD camera for the X-Ray Telescope (XRT) aboard SOLAR-B. , 2004, , .		1
65	Downflow Motions Associated with Impulsive Nonthermal Emissions Observed in the 2002 July 23 Solar Flare. Astrophysical Journal, 2004, 605, L77-L80.	1.6	151
66	A Quantitative Study of the Homologous Flares on 2000 November 24. Astrophysical Journal, 2004, 613, 592-599.	1.6	22
67	Flare Ribbon Expansion and Energy Release Rate. Astrophysical Journal, 2004, 611, 557-567.	1.6	93
68	Flare Ribbon Expansion and Energy Release Rate. Proceedings of the International Astronomical Union, 2004, 2004, 443-444.	0.0	0
69	Evolution of flare ribbons and energyrelease. Advances in Space Research, 2003, 32, 2561-2566.	1.2	0
70	Close Correlation among HÎ± Surges, Magnetic Flux Cancellations, and UV Brightenings Found at the Edge of an Emerging Flux Region. Publication of the Astronomical Society of Japan, 2003, 55, 313-320.	1.0	28
71	Radio and Hard X-Ray Images of High-Energy Electrons in an X-Class Solar Flare. Astrophysical Journal, 2003, 595, L111-L114.	1.6	54
72	Prominence Eruptions and Coronal Mass Ejection: A Statistical Study Using Microwave Observations. Astrophysical Journal, 2003, 586, 562-578.	1.6	292

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73	Evolution of Conjugate Footpoints inside Flare Ribbons during a Great Twoâ€Ribbon Flare on 2001 April 10. Astrophysical Journal, 2003, 586, 624-629.	1.6	69
74	Evolution of flare ribbons and energy release. Advances in Space Research, 2003, 32, 2561-2566.	1.2	1
75	Difference between Spatial Distributions of the HÎ± Kernels and Hard X-Ray Sources in a Solar Flare. Astrophysical Journal, 2002, 578, L91-L94.	1.6	63
76	Reconnection Rate in the Decay Phase of a Long Duration Event Flare on 1997 May 12. Astrophysical Journal, 2002, 566, 528-538.	1.6	95
77	Surges, magnetic flux cancellations, and UV brightenings around an emerging flux region. COSPAR Colloquia Series, 2002, , 99-100.	0.2	0
78	Fine structure inside flare ribbons and its temporal evolution. COSPAR Colloquia Series, 2002, 13, 221-224.	0.2	0
79	The temperature analysis of Yohkoh/SXT data using the CHIANTi spectral database. COSPAR Colloquia Series, 2002, , 419-420.	0.2	3
80	Dynamical Features and Evolutional Characteristics of Brightening Coronal Loops. Solar Physics, 2002, 206, 133-142.	1.0	7
81	Periodic Acceleration of Electrons in the 1998 November 10 Solar Flare. Astrophysical Journal, 2001, 562, L103-L106.	1.6	107
82	Hard X-Radiation from a Fast Coronal Ejection. Astrophysical Journal, 2001, 561, L211-L214.	1.6	66
83	Oneâ€dimensional and Pseudoâ€“Twoâ€dimensional Hydrodynamic Simulations of Solar Xâ€Ray Jets. Astrophysical Journal, 2001, 550, 1051-1063.	1.6	43
84	Physical Parameters of Solar Xâ€Ray Jets. Astrophysical Journal, 2000, 542, 1100-1108.	1.6	157
85	Thermal evolution of coronal active regions observed with the Yohkoh Soft X-ray Telescope. Advances in Space Research, 2000, 25, 1773-1776.	1.2	0
86	Observational evidence of magnetic reconnection in solar X-ray jets. Advances in Space Research, 2000, 26, 449-452.	1.2	10
87	Occurrence Rate of Microflares in an Xâ€Rayâ€“bright Point within an Active Region. Astrophysical Journal, 1999, 516, 934-938.	1.6	33
88	A Microwave Study of Coronal Ejecta. Astrophysical Journal, 1999, 520, 391-398.	1.6	12
89	Two-Sided-Loop-Type X-ray Jets and Metric Radio Bursts. Solar Physics, 1998, 178, 173-178.	1.0	6
90	Magnetic Field Properties of Solar X-Ray Jets. Solar Physics, 1998, 178, 379-392.	1.0	88

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91	Early Evolution of Coronal Active Regions Observed with theYohkohSoft Xâ€Ray Telescope. I. Expansion Velocity. Astrophysical Journal, 1998, 493, 970-977.	1.6	4
92	Study of Solar X-ray Jets Observed by the Yohkoh Soft X-ray Telescope. Astrophysics and Space Science Library, 1998, , 357-360.	1.0	0
93	X-Ray Plasma Ejections and Jets from Solar Compact Flares Observed with the Yohkoh Soft X-Ray Telescope. Astrophysics and Space Science Library, 1998, , 333-336.	1.0	0
94	X-ray plasma ejections and jets from solar compact flares observed with the Yohkoh soft X-ray telescope. Advances in Space Research, 1997, 19, 1849-1852.	1.2	11
95	Coronal X-ray jets observed with Yohkoh/SXT. Advances in Space Research, 1996, 17, 197-200.	1.2	31
96	Statistical Study of Solar X-Ray Jets Observed with the Yohkoh Soft X-Ray Telescope. Publication of the Astronomical Society of Japan, 1996, 48, 123-136.	1.0	330
97	H alpha Surges and X-Ray Jets in AR 7260. Astrophysical Journal, 1996, 464, 1016.	1.6	266
98	Coronal X-Ray Jets Observed with the Yohkoh Soft X-Ray Telescope.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 19-28.	0.8	12
99	Detection of Nonthermal Radio Emission from Coronal X-ray Jets. , 1996, , 445-447.		0
100	Hot-Plasma Ejections Associated with Compact-Loop Solar Flares. Astrophysical Journal, 1995, 451, .	1.6	463
101	Detection of Nonthermal Radio Emission from Coronal X-Ray Jets. Astrophysical Journal, 1995, 447, .	1.6	61
102	PREFLARE FEATURES IN MICROWAVES AND IN HARD X-RAYS. , 0, , 33-41.		0
103	An ALMA Observation of Time Variations in Chromospheric Temperature of a Solar Plage Region. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	0