

# Kiyoto Shibasaki

## List of Publications by Year in descending order

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127  
papers

4,858  
citations

109321

35  
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98798

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133  
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133  
docs citations

133  
times ranked

1756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Study of Microwave Polar Brightening, Coronal Holes, and Solar Wind over the Solar Poles. <i>Solar Physics</i> , 2019, 294, 1.	2.5	1
2	Depressed Emission between Magnetic Arcades near a Sunspot. <i>Open Astronomy</i> , 2016, 25, .	0.6	5
3	Microwave observations of a large-scale coronal wave with the Nobeyama radioheliograph. <i>Astronomy and Astrophysics</i> , 2016, 593, A102.	5.1	3
4	CHROMOSPHERIC SUNSPOTS IN THE MILLIMETER RANGE AS OBSERVED BY THE NOBEYAMA RADIOHELIOGRAPH. <i>Astrophysical Journal</i> , 2016, 816, 91.	4.5	14
5	CORONAL MAGNETIC FIELDS DERIVED FROM SIMULTANEOUS MICROWAVE AND EUV OBSERVATIONS AND COMPARISON WITH THE POTENTIAL FIELD MODEL. <i>Astrophysical Journal</i> , 2016, 818, 8.	4.5	13
6	Multi-mode quasi-periodic pulsations in a solar flare. <i>Astronomy and Astrophysics</i> , 2015, 574, A53.	5.1	87
7	Solar Cycle Indices from the Photosphere to the Corona: Measurements and Underlying Physics. <i>Space Sciences Series of ISSI</i> , 2015, , 105-135.	0.0	2
8	Reduced Coronal Emission Above Large Isolated Sunspots. <i>Solar Physics</i> , 2015, 290, 21-35.	2.5	8
9	Synoptic radio observations as proxies for upper atmosphere modelling. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A06.	3.3	49
10	Effect of solar cycle 23 in foF2 trend estimation. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	16
11	Coronal magnetic field and the plasma beta determined from radio and multiple satellite observations. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	19
12	Solar Cycle Indices from the Photosphere to the Corona: Measurements and Underlying Physics. <i>Space Science Reviews</i> , 2014, 186, 105-135.	8.1	45
13	THE 17 GHz ACTIVE REGION NUMBER. <i>Astrophysical Journal</i> , 2014, 790, 134.	4.5	12
14	PLASMA UPFLOWS AND MICROWAVE EMISSION IN HOT SUPRA-ARCADE STRUCTURE ASSOCIATED WITH AN M1.6 LIMB FLARE. <i>Astrophysical Journal</i> , 2014, 785, 106.	4.5	8
15	Long-period pulsations of the thermal microwave emission of the solar flare of June 2, 2007 from data with high spatial resolution. <i>Astronomy Reports</i> , 2014, 58, 573-577.	0.9	10
16	Spatially Resolved Microwave Observations of Multiple Periodicities in a Flaring Loop. <i>Solar Physics</i> , 2013, 284, 559-578.	2.5	49
17	Long-period oscillations of sunspots according to simultaneous ground-based and space observations. <i>Geomagnetism and Aeronomy</i> , 2013, 53, 909-912.	0.8	3
18	Long-Term Global Solar Activity Observed by the Nobeyama Radioheliograph. <i>Publication of the Astronomical Society of Japan</i> , 2013, 65, .	2.5	22

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19	Long-Period Oscillations of Sunspots by NoRH and SSRT Observations. Publication of the Astronomical Society of Japan, 2013, 65, S13.	2.5	14
20	Measurements of Coronal and Chromospheric Magnetic Fields Using Polarization Observations by the Nobeyama Radioheliograph. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	13
21	Long-Term Oscillations of Sunspots from Simultaneous Observations with the Nobeyama Radioheliograph and Solar Dynamics Observatory. Publication of the Astronomical Society of Japan, 2013, 65, S12.	2.5	7
22	Evolution of the Source of Quasi-Periodic Microwave Pulsations in a Single Flaring Loop. Publication of the Astronomical Society of Japan, 2013, 65, S3.	2.5	7
23	BEHAVIOR OF SOLAR CYCLES 23 AND 24 REVEALED BY MICROWAVE OBSERVATIONS. Astrophysical Journal Letters, 2012, 750, L42.	8.3	57
24	SLOW MAGNETOACOUSTIC OSCILLATIONS IN THE MICROWAVE EMISSION OF SOLAR FLARES. Astrophysical Journal Letters, 2012, 756, L36.	8.3	43
25	THREE-MINUTE OSCILLATIONS ABOVE SUNSPOT LUMBRA OBSERVED WITH THE SOLAR DYNAMICS OBSERVATORY/ATMOSPHERIC IMAGING ASSEMBLY AND NOBEYAMA RADIOHELIOGRAPH. Astrophysical Journal, 2012, 746, 119.	4.5	66
26	SPATIAL STRUCTURE OF SUNSPOT OSCILLATIONS OBSERVED WITH SDO/AIA. Astrophysical Journal, 2012, 756, 35.	4.5	29
27	Isolated Sunspot with a Dark Patch in the Coronal Emission. Open Astronomy, 2012, 21, .	0.6	1
28	Frequency drifts of 3-min oscillations in microwave and EUV emission above sunspots. Astronomy and Astrophysics, 2012, 539, A23.	5.1	31
29	Flare quasi-periodic pulsations with growing periodicity. Astronomy and Astrophysics, 2011, 525, A112.	5.1	32
30	THE BEHAVIOR OF THE 17 GHz SOLAR RADIUS AND LIMB BRIGHTENING IN THE SPOTLESS MINIMUM XXIII/XXIV. Astrophysical Journal, 2011, 734, 64.	4.5	27
31	Period persistence of long period oscillations in sunspots. Astronomy and Astrophysics, 2011, 529, A123.	5.1	15
32	Multilevel Analysis of Oscillation Motions in Active Regions of the Sun. Solar Physics, 2011, 270, 175-189.	2.5	19
33	Radio Emission of the Quiet Sun and Active Regions (Invited Review). Solar Physics, 2011, 273, 309-337.	2.5	85
34	Quasi-periodic Oscillations of Solar Active Regions in Connection with Their Flare Activity – NoRH Observations. Solar Physics, 2011, 273, 403-412.	2.5	12
35	DYNAMICS OF THE FLARING LOOP SYSTEM OF 2005 AUGUST 22 OBSERVED IN MICROWAVES AND HARD X-RAYS. Astrophysical Journal, 2010, 724, 171-181.	4.5	17
36	Types of Microwave Quasi-Periodic Pulsations in Single Flaring Loops. Solar Physics, 2010, 267, 329-342.	2.5	107

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37	2002 AUGUST 24 LIMB FLARE LOOP: DYNAMICS OF MICROWAVE BRIGHTNESS DISTRIBUTION. <i>Astrophysical Journal</i> , 2009, 697, 735-746.	4.5	52
38	The Hinode X-Ray Telescope (XRT): Camera Design, Performance and Operations. <i>Solar Physics</i> , 2008, 249, 263-279.	2.5	84
39	Absorption Phenomena and a Probable Blast Wave in the 13 July 2004 Eruptive Event. <i>Solar Physics</i> , 2008, 253, 263-290.	2.5	49
40	Ballooning Instability in Coronal Flare Loops. <i>Solar Physics</i> , 2008, 253, 161-172.	2.5	22
41	Vertical Temperature Structures of the Solar Corona Derived with the Hinode X-Ray Telescope. <i>Publication of the Astronomical Society of Japan</i> , 2008, 60, 827-834.	2.5	3
42	A comparison of parameters of 3-minute and 5-minute oscillations in sunspots from synchronous microwave and optical observations. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 95-99.	0.0	0
43	Long period oscillations of microwave emission of solar active regions: observations with NoRH and SSRT. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 155-157.	0.0	5
44	Dynamics of microwave brightness distribution in the giant 24 August 2002 flare loop. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 345-347.	0.0	0
45	Response of the Solar Atmosphere to Magnetic Flux Emergence from Hinode Observations. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, S643-S648.	2.5	12
46	Fine Structures of Solar X-Ray Jets Observed with the X-Ray Telescope aboard Hinode. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, S745-S750.	2.5	62
47	Evidence for Alfvén Waves in Solar X-ray Jets. <i>Science</i> , 2007, 318, 1580-1582.	12.6	386
48	Hinode Observations of the Onset Stage of a Solar Filament Eruption. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, S823-S829.	2.5	26
49	A Study of Polar Jet Parameters Based on Hinode XRT Observations. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, S771-S778.	2.5	159
50	An On-Orbit Determination of the On-Axis Point Spread Function of the Hinode X-Ray Telescope. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, S853-S855.	2.5	7
51	Turbulent propagation of high-energy electrons in a solar coronal loop. <i>Astronomy and Astrophysics</i> , 2007, 465, 613-619.	5.1	17
52	Continuous Plasma Outflows from the Edge of a Solar Active Region as a Possible Source of Solar Wind. <i>Science</i> , 2007, 318, 1585-1588.	12.6	189
53	The X-Ray Telescope (XRT) for the Hinode Mission. <i>Solar Physics</i> , 2007, 243, 63-86.	2.5	575
54	Multi-Wavelength Imaging of Solar Plasma - High-Beta Disruption Model of Solar Flares -. <i>Plasma and Fusion Research</i> , 2007, 2, S1012-S1012.	0.7	1

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55	Nobeyama radio heliograph observations of RHESSI microflares. <i>Astronomy and Astrophysics</i> , 2006, 451, 691-707.	5.1	19
56	Electron Spatial Distribution in Microwave Flaring Loops. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	3
57	MHD-Oscillation Modes of a Flaring Loop Using Microwave Observations With High Spatial Resolution. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
58	A Statistical Study of Microwave Flare Morphologies. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	3
59	One Solar-Cycle Observations of Prominence Activities Using the Nobeyama Radioheliograph 1992-2004. <i>Publication of the Astronomical Society of Japan</i> , 2006, 58, 85-92.	2.5	29
60	Observations of Prominence Eruptions with Two Radioheliographs, SSRT, and NoRH. <i>Publication of the Astronomical Society of Japan</i> , 2006, 58, 69-84.	2.5	30
61	On the Relation of Brightness Temperatures in Coronal Holes at 5.7 and 17 GHz. <i>Publication of the Astronomical Society of Japan</i> , 2006, 58, 1-10.	2.5	10
62	Sunspot Gyroresonance Emission at 17 GHz: A Statistical Study. <i>Publication of the Astronomical Society of Japan</i> , 2006, 58, 11-20.	2.5	25
63	Plasma Parameters in a Post-Eruptive Arcade Observed with CORONAS-F/SPIRIT, Yohkoh/SXT, SOHO/EIT, and in Microwaves. <i>Publication of the Astronomical Society of Japan</i> , 2006, 58, 55-68.	2.5	26
64	Science of the X-ray Sun: The X-ray telescope on Solar-B. <i>Advances in Space Research</i> , 2005, 36, 1489-1493.	2.6	8
65	Dissipation of diamagnetic currents and plasma heating in coronal magnetic loops. <i>Astronomy Reports</i> , 2005, 49, 1009-1017.	0.9	20
66	Coronal Magnetography of Solar Active Region 8365 with the SSRT and NoRH Radio Heliographs. <i>Solar Physics</i> , 2005, 226, 223-237.	2.5	18
67	Spatially resolved microwave pulsations of a flare loop. <i>Astronomy and Astrophysics</i> , 2005, 439, 727-736.	5.1	111
68	On coronal streamer changes. <i>Advances in Space Research</i> , 2004, 33, 676-680.	2.6	8
69	Pulsations of microwave emission and flare plasma diagnostics. <i>Astronomy Letters</i> , 2004, 30, 480-488.	1.0	29
70	Focal plane CCD camera for the X-Ray Telescope (XRT) aboard SOLAR-B. , 2004, , .		1
71	Analysis of quasi-periodic oscillations of position and brightness of details of the radio sources of the solar active regions based on observations made with the radio heliograph Nobeyama. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 245-246.	0.0	6
72	A new solar flare scenario: - High-beta plasma disruption -. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 485-486.	0.0	0

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73	Observations of sausage mode oscillations in a flaring loop. Proceedings of the International Astronomical Union, 2004, 2004, 647-648.	0.0	0
74	Observations of a Post-Eruptive Arcade on October 22, 2001 with CORONAS-F, other Spaceborne Telescopes, and in Microwaves. Proceedings of the International Astronomical Union, 2004, 2004, 108-109.	0.0	1
75	Microwave imaging observation of an electron stream in a solar flare. Advances in Space Research, 2003, 32, 2517-2520.	2.6	0
76	Radio and Hard X-Ray Images of High-Energy Electrons in an X-Class Solar Flare. Astrophysical Journal, 2003, 595, L111-L114.	4.5	54
77	Prominence Eruptions and Coronal Mass Ejection: A Statistical Study Using Microwave Observations. Astrophysical Journal, 2003, 586, 562-578.	4.5	292
78	Temporal and angular variation of the solar limb brightening at 17 GHz. Astronomy and Astrophysics, 2003, 401, 1143-1150.	5.1	21
79	Energy and Mass Supply in the Decay Phase of Long-Duration Solar Flare Events. Astrophysical Journal, 2002, 567, L85-L87.	4.5	9
80	Loop-Top Nonthermal Microwave Source in Extended Solar Flaring Loops. Astrophysical Journal, 2002, 580, L185-L188.	4.5	105
81	A study of development of global solar activity in the 23rd solar cycle based on radio observations with the Nobeyama radio heliograph. Astronomy and Astrophysics, 2002, 389, 624-628.	5.1	3
82	A study of the development of global solar activity in the 23rd solar cycle based on radio observations with the Nobeyama radio heliograph. Astronomy and Astrophysics, 2002, 389, 618-623.	5.1	13
83	Microwave Detection of Shock and Associated Electron Beam Formation. Astrophysical Journal, 2002, 567, 610-621.	4.5	13
84	Microwave Observations of the Rapid Propagation of Nonthermal Sources in a Solar Flare by the Nobeyama Radiotelescope. Astrophysical Journal, 2002, 576, L87-L90.	4.5	39
85	High- $\beta$ Disruption in the Solar Atmosphere. Astrophysical Journal, 2001, 557, 326-331.	4.5	71
86	Periodic Acceleration of Electrons in the 1998 November 10 Solar Flare. Astrophysical Journal, 2001, 562, L103-L106.	4.5	107
87	Spatial Structure of Simple Spiky Bursts at Microwave/Millimeter Wavelengths. Astrophysical Journal, 2001, 547, 1090-1099.	4.5	37
88	Microwave Detection of Umbral Oscillation in NOAA Active Region 8156: Diagnostics of Temperature Minimum in Sunspot. Astrophysical Journal, 2001, 550, 1113-1118.	4.5	46
89	A Radio Study of the Evolution of Spatial Structure of an Active Region and Flare Productivity. Astrophysical Journal, Supplement Series, 2001, 133, 467-482.	7.7	7
90	<title>High-resolution grazing incidence telescope for the Solar-B observatory</title>. , 2000, , .		3

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91	Solar microwave large-scale bright structures observed with the Nobeyama Radioheliograph. <i>Advances in Space Research</i> , 2000, 25, 1901-1904.	2.6	3
92	Microwave enhancement in coronal holes: Statistical properties. <i>Journal of Astrophysics and Astronomy</i> , 2000, 21, 413-417.	1.0	14
93	Nonthermal Flare Emission from MeV Energy Electrons at 17, 34, and 86 GHz. <i>Astrophysical Journal</i> , 2000, 545, 1084-1088.	4.5	9
94	Microwave tomography of solar magnetic fields. <i>Astronomy and Astrophysics</i> , 2000, 144, 169-180.	2.1	47
95	Magnetic Trapping and Electron Injection in Two Contrasting Solar Microwave Bursts. <i>Astrophysical Journal</i> , 2000, 531, 1109-1120.	4.5	31
96	Microwave Observation of Eruptive Solar Events with and without Flare Activity. <i>Astrophysical Journal</i> , 2000, 533, 557-567.	4.5	6
97	Soft X-Ray and Gyroresonance Emission above Sunspots. <i>Astrophysical Journal, Supplement Series</i> , 2000, 130, 485-499.	7.7	35
98	Is the chromosphere hotter in coronal holes?. , 1999, , .		8
99	Coronal Magnetography of an Active Region From Microwave Polarization Inversion. <i>Solar Physics</i> , 1999, 185, 157-175.	2.5	31
100	Detection of Periodic Oscillations in Sunspot-Associated Radio Sources. <i>Solar Physics</i> , 1999, 185, 177-191.	2.5	53
101	Microwave enhancement and variability in the elephant's trunk coronal hole: Comparison with SOHO observations. <i>Journal of Geophysical Research</i> , 1999, 104, 9767-9779.	3.3	45
102	Multiple Components in the Millimeter Emission of a Solar Flare. <i>Astrophysical Journal</i> , 1999, 522, 547-558.	4.5	47
103	Microwave and Extreme Ultraviolet Observations of Solar Polar Regions. <i>Astrophysical Journal</i> , 1999, 527, 415-425.	4.5	41
104	A Microwave Study of Coronal Ejecta. <i>Astrophysical Journal</i> , 1999, 520, 391-398.	4.5	12
105	Title is missing!. <i>Solar Physics</i> , 1998, 183, 389-405.	2.5	1
106	The Filament Disappearance of 7 May 1992 (the Ebi). <i>Solar Physics</i> , 1998, 180, 313-329.	2.5	10
107	An upgrade of nobeyama radioheliograph to a dual-frequency (17 and 34 GHz) system. , 1997, , 183-191.		15
108	Detection of Microwave Emission from Coronal X-Ray Jets. <i>Astrophysical Journal</i> , 1997, 491, L121-L124.	4.5	3

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109	Coronal magnetic fields from microwave polarization observations. Solar Physics, 1996, 167, 167-179.	2.5	18
110	On the spatial directivity of solar radio bursts. Solar Physics, 1996, 167, 349-355.	2.5	2
111	First Images of a Solar Flare at Millimeter Wavelengths. Astrophysical Journal, 1996, 458, L49-L52.	4.5	16
112	Simultaneous multifrequency observations of an eruptive prominence at millimeter wavelengths. Solar Physics, 1995, 156, 363-375.	2.5	26
113	The Radio Properties of Solar Active Region Soft X-Ray Transient Brightenings. Astrophysical Journal, 1995, 450, 435.	4.5	39
114	Microwave and Hard X-Ray Observations of Footpoint Emission from Solar Flares. Astrophysical Journal, 1995, 454, 522.	4.5	53
115	Thermal and nonthermal flare emission observed with the Nobeyama Radio Heliograph. Space Science Reviews, 1994, 68, 217-224.	8.1	7
116	Energy transport and dynamics. Solar Physics, 1994, 153, 55-72.	2.5	5
117	Detection of 17 GHz radio emission from X-ray-bright points. Astrophysical Journal, 1994, 431, L155.	4.5	13
118	The SOLAR-A Hard X-ray Telescope (HXT). Advances in Space Research, 1991, 11, 81-84.	2.6	0
119	The Hard X-ray Telescope (HXT) for the SOLAR-A mission. Solar Physics, 1991, 136, 17-36.	2.5	361
120	Height measurements of S-components. Astrophysics and Space Science, 1986, 119, 21-25.	1.4	7
121	Solar vector magnetograms of the Okayama Astrophysical Observatory. Astrophysics and Space Science, 1986, 118, 163-167.	1.4	1
122	Height Measurements of S-Components. , 1986, , 21-25.		0
123	Radio, X-ray, and optical observations of the flare of June 13, 1980, at 6h22m UT. Solar Physics, 1983, 88, 315-327.	2.5	8
124	Microwave, ultraviolet, and soft X-Ray observations of hale region 16898. Solar Physics, 1983, 89, 307.	2.5	39
125	Multiple wavelength observations of a solar active region. Solar Physics, 1982, 80, 71-85.	2.5	27
126	Latitudinal distribution of solar wind velocity and its relation to solar EUV corona. Journal of Geophysical Research, 1974, 79, 3841-3843.	3.3	28



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127	Solar wind disturbances detected by the interplanetary scintillation of radio sources in early August 1972. <i>Journal of Geophysical Research</i> , 1973, 78, 8364-8366.	3.3	29