

Hiroaki Misawa

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

367
citations

687363

13
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of short-term variation of Jupiter's synchrotron radiation. Geophysical Research Letters, 1999, 26, 9-12.	4.0	36
2	IPRT/AMATERAS: A New Metric Spectrum Observation System for Solar Radio Bursts. Solar Physics, 2012, 277, 447-457.	2.5	32
3	Characteristics of solar wind control on Jovian UV auroral activity deciphered by long-term Hisaki EXCEED observations: Evidence of preconditioning of the magnetosphere?. Geophysical Research Letters, 2016, 43, 6790-6798.	4.0	32
4	Long-term variability of [SII] emissions from the Io plasma torus between 1997 and 2000. Journal of Geophysical Research, 2004, 109, .	3.3	27
5	Jupiter's magnetospheric change by Io's volcanoes. Geophysical Research Letters, 2010, 37, .	4.0	22
6	Enhancement of the Jovian Magnetospheric Plasma Circulation Caused by the Change in Plasma Supply From the Satellite Io. Journal of Geophysical Research: Space Physics, 2018, 123, 6514-6532.	2.4	20
7	Io's volcanism controls Jupiter's radio emissions. Geophysical Research Letters, 2013, 40, 671-675.	4.0	19
8	Investigating Solar Wind-Driven Electric Field Influence on Long-Term Dynamics of Jovian Synchrotron Radiation. Journal of Geophysical Research: Space Physics, 2018, 123, 9508-9516.	2.4	19
9	Short-term changes in Jupiter's synchrotron radiation at 325 MHz: Enhanced radial diffusion in Jupiter's radiation belt driven by solar UV/EUV heating. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
10	Effect of solar UV/EUV heating on the intensity and spatial distribution of Jupiter's synchrotron radiation. Journal of Geophysical Research: Space Physics, 2013, 118, 6106-6115.	2.4	14
11	WIDE-BAND SPECTRA OF GIANT RADIO PULSES FROM THE CRAB PULSAR. Astrophysical Journal, 2016, 832, 212.	4.5	14
12	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed With Ground-Based Multi-Instruments on 27 March 2017. Geophysical Research Letters, 2018, 45, 13,182.	4.0	13
13	Azimuthal Variation in the Io Plasma Torus Observed by the Hisaki Satellite From 2013 to 2016. Journal of Geophysical Research: Space Physics, 2019, 124, 3236-3254.	2.4	13
14	Enhanced x-ray emission coinciding with giant radio pulses from the Crab Pulsar. Science, 2021, 372, 187-190.	12.6	13
15	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 3. Volcanic Control of Jupiter's Aurora. Geophysical Research Letters, 2018, 45, 71-79.	4.0	12
16	Relationship between the Jovian magnetospheric plasma density and Io torus emission. Geophysical Research Letters, 2005, 32, .	4.0	11
17	MULTI-FREQUENCY TOTAL FLUX MEASUREMENTS OF JUPITER'S SYNCHROTRON RADIATION IN 2007. , 0, , 601-611.		9
18	Relativistic electron precipitations in association with diffuse aurora: Conjugate observation of SAMPEX and the all-sky TV camera at Syowa Station. Geophysical Research Letters, 2015, 42, 4702-4708.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
20	Implication for the solar wind effect on the Io plasma torus. Geophysical Research Letters, 2006, 33, .	4.0	7
21	Multi-frequency radio observations of the radio-loud magnetar XTE J1810-197. Publication of the Astronomical Society of Japan, 2021, 73, 1563-1574.	2.5	6
22	Very Long Baseline Interferometry Experiment on Giant Radio Pulses of Crab Pulsar toward Fast Radio Burst Detection. Publications of the Astronomical Society of the Pacific, 2016, 128, 084502.	3.1	5
23	Energetic Electron Precipitation Associated With Pulsating Aurora Observed by VLF Radio Propagation During the Recovery Phase of a Substorm on 27 March 2017. Geophysical Research Letters, 2018, 45, 12,651.	4.0	5
24	Short-term Variation in the Dawn-Dusk Asymmetry of the Jovian Radiation Belt Obtained from GMRT and Hisaki EXCEED Observations. Astrophysical Journal Letters, 2019, 872, L24.	8.3	3
25	Calibration of the JUICE RWI antennas by numerical simulation. Radio Science, 2021, 56, e2021RS007309.	1.6	1