

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	Enhanced x-ray emission coinciding with giant radio pulses from the Crab Pulsar. <i>Science</i> , 2021, 372, 187-190.	12.6	13
2	Multi-frequency radio observations of the radio-loud magnetar XTE J1810-197. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 1563-1574.	2.5	6
3	Calibration of the JUICE RWI antennas by numerical simulation. <i>Radio Science</i> , 2021, 56, e2021RS007309.	1.6	1
4	Azimuthal Variation in the Io Plasma Torus Observed by the Hisaki Satellite From 2013 to 2016. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3236-3254.	2.4	13
5	Short-term Variation in the Dawn-Dusk Asymmetry of the Jovian Radiation Belt Obtained from GMRT and Hisaki EXCEED Observations. <i>Astrophysical Journal Letters</i> , 2019, 872, L24.	8.3	3
6	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 3. Volcanic Control of Jupiter's Aurora. <i>Geophysical Research Letters</i> , 2018, 45, 71-79.	4.0	12
7	Enhancement of the Jovian Magnetospheric Plasma Circulation Caused by the Change in Plasma Supply From the Satellite Io. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6514-6532.	2.4	20
8	Investigating Solar Wind-Driven Electric Field Influence on Long-Term Dynamics of Jovian Synchrotron Radiation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9508-9516.	2.4	19
9	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed With Ground-Based Multi-Instruments on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 13,182.	4.0	13
10	Energetic Electron Precipitation Associated With Pulsating Aurora Observed by VLF Radio Propagation During the Recovery Phase of a Substorm on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 12,651.	4.0	5
11	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
12	Very Long Baseline Interferometry Experiment on Giant Radio Pulses of Crab Pulsar toward Fast Radio Burst Detection. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 084502.	3.1	5
13	WIDE-BAND SPECTRA OF GIANT RADIO PULSES FROM THE CRAB PULSAR. <i>Astrophysical Journal</i> , 2016, 832, 212.	4.5	14
14	Characteristics of solar wind control on Jovian UV auroral activity deciphered by long-term Hisaki EXCEED observations: Evidence of preconditioning of the magnetosphere?. <i>Geophysical Research Letters</i> , 2016, 43, 6790-6798.	4.0	32
15	Relativistic electron precipitations in association with diffuse aurora: Conjugate observation of SAMPEX and the all-sky TV camera at Syowa Station. <i>Geophysical Research Letters</i> , 2015, 42, 4702-4708.	4.0	8
16	Effect of solar UV/EUV heating on the intensity and spatial distribution of Jupiter's synchrotron radiation. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6106-6115.	2.4	14
17	Io's volcanism controls Jupiter's radio emissions. <i>Geophysical Research Letters</i> , 2013, 40, 671-675.	4.0	19
18	IPRT/AMATERAS: A New Metric Spectrum Observation System for Solar Radio Bursts. <i>Solar Physics</i> , 2012, 277, 447-457.	2.5	32

#	ARTICLE	IF	CITATIONS
19	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
20	Jupiter's magnetospheric change by Io's volcanoes. Geophysical Research Letters, 2010, 37, .	4.0	22
21	Implication for the solar wind effect on the Io plasma torus. Geophysical Research Letters, 2006, 33, .	4.0	7
22	Relationship between the Jovian magnetospheric plasma density and Io torus emission. Geophysical Research Letters, 2005, 32, .	4.0	11
23	Long-term variability of [SII] emissions from the Io plasma torus between 1997 and 2000. Journal of Geophysical Research, 2004, 109, .	3.3	27
24	Observation of short-term variation of Jupiter's synchrotron radiation. Geophysical Research Letters, 1999, 26, 9-12.	4.0	36
25	MULTI-FREQUENCY TOTAL FLUX MEASUREMENTS OF JUPITER'S SYNCHROTRON RADIATION IN 2007. , 0, , 601-611.		9