

Hyomin Kim

List of Publications by Year in descending order

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28
papers

424
citations

777949

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28
all docs

28
docs citations

28
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Study of EMIC Wave Propagation Using Space-Ground Conjugate Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
2	Mirror Instabilities in the Inner Magnetosphere and Their Potential for Localized ULF Wave Generation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028773.	0.8	8
3	Observations of Particle Loss due to Injection-Associated Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028503.	0.8	11
4	Upper Limit of Proton Anisotropy and Its Relation to Electromagnetic Ion Cyclotron Waves in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028614.	0.8	5
5	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029091.	0.8	13
6	Observational evidence of the drift-mirror plasma instability in Earth's inner magnetosphere. Physics of Plasmas, 2019, 26, 042110.	0.7	18
7	Van Allen Probes Observations of Second Harmonic Poloidal Standing Alfvén Waves. Journal of Geophysical Research: Space Physics, 2018, 123, 611-637.	0.8	41
8	ELF Whistler Dependence on a Sunlit Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 3955-3964.	0.8	0
9	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 8331-8357.	0.8	30
10	Test of Ion Cyclotron Resonance Instability Using Proton Distributions Obtained From Van Allen Probe-A Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 6591-6610.	0.8	18
11	Conjugate observations of electromagnetic ion cyclotron waves associated with traveling convection vortex events. Journal of Geophysical Research: Space Physics, 2017, 122, 7336-7352.	0.8	7
12	Spatial dependence of electromagnetic ion cyclotron waves triggered by solar wind dynamic pressure enhancements. Journal of Geophysical Research: Space Physics, 2017, 122, 5502-5518.	0.8	16
13	Simultaneous observations of traveling convection vortices: Ionosphere-thermosphere coupling. Journal of Geophysical Research: Space Physics, 2017, 122, 4943-4959.	0.8	10
14	Associating ground magnetometer observations with current or voltage generators. Journal of Geophysical Research: Space Physics, 2017, 122, 7130-7141.	0.8	17
15	Climatology of high- β^2 plasma measurements in Earth's inner magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 711-726.	0.8	10
16	Ring Current He Ion Control by Bounce Resonant ULF Waves. Journal of Geophysical Research: Space Physics, 2017, 122, 12,031.	0.8	2
17	RBSPICE measurement of ion loss during the 2015 March storm: Adiabatic response to the geomagnetic field change. Journal of Geophysical Research: Space Physics, 2016, 121, 9547-9559.	0.8	2
18	Inferring magnetospheric heavy ion density using EMIC waves. Journal of Geophysical Research: Space Physics, 2015, 120, 6464-6473.	0.8	22

#	ARTICLE	IF	CITATIONS
19	Conjugate observations of traveling convection vortices associated with transient events at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2015-2035.	0.8	18
20	Impact of active geomagnetic conditions on stimulated radiation during ionospheric second electron gyroharmonic heating. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 548-565.	0.8	9
21	An autonomous adaptive low-power instrument platform (AAL-PIP) for remote high-latitude geospace data collection. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2014, 3, 211-227.	0.6	26
22	Geomagnetic response to solar wind dynamic pressure impulse events at high-latitude conjugate points. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6055-6071.	0.8	19
23	Upstream-generated Pc3 ULF wave signatures observed near the Earth's cusp. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
24	Initial GPS scintillation results from CASES receiver at South Pole, Antarctica. <i>Radio Science</i> , 2012, 47, .	0.8	21
25	Statistical study of Pc1-2 wave propagation characteristics in the high-latitude ionospheric waveguide. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	41
26	Ducting characteristics of Pc 1 waves at high latitudes on the ground and in space. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	42
27	A mission critical embedded system: A new type FPGA-based digital magnetometer system for space research. , 2008, , .		0
28	Narrow-band extremely low frequency (ELF) wave phenomena observed at South Pole Station. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	4