

# Hyomin Kim

## List of Publications by Year in descending order

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28  
papers

424  
citations

687335

13  
h-index

752679

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Study of EMIC Wave Propagation Using Space–Ground Conjugate Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	6
2	Mirror Instabilities in the Inner Magnetosphere and Their Potential for Localized ULF Wave Generation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028773.	2.4	8
3	Observations of Particle Loss due to Injection–Associated Electromagnetic Ion Cyclotron Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028503.	2.4	11
4	Upper Limit of Proton Anisotropy and Its Relation to Electromagnetic Ion Cyclotron Waves in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028614.	2.4	5
5	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029091.	2.4	13
6	Observational evidence of the drift-mirror plasma instability in Earth's inner magnetosphere. <i>Physics of Plasmas</i> , 2019, 26, 042110.	1.9	18
7	Van Allen Probes Observations of Second Harmonic Poloidal Standing Alfvén Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 611-637.	2.4	41
8	ELF Whistler Dependence on a Sunlit Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3955-3964.	2.4	0
9	MMS, Van Allen Probes, COES 13, and Ground–Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8331-8357.	2.4	30
10	Test of Ion Cyclotron Resonance Instability Using Proton Distributions Obtained From Van Allen Probe–A Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6591-6610.	2.4	18
11	Conjugate observations of electromagnetic ion cyclotron waves associated with traveling convection vortex events. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7336-7352.	2.4	7
12	Spatial dependence of electromagnetic ion cyclotron waves triggered by solar wind dynamic pressure enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5502-5518.	2.4	16
13	Simultaneous observations of traveling convection vortices: Ionosphere–thermosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4943-4959.	2.4	10
14	Associating ground magnetometer observations with current or voltage generators. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7130-7141.	2.4	17
15	Climatology of high- $\beta^2$ plasma measurements in Earth's inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 711-726.	2.4	10
16	Ring Current He Ion Control by Bounce Resonant ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,031.	2.4	2
17	RBSPICE measurement of ion loss during the 2015 March storm: Adiabatic response to the geomagnetic field change. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9547-9559.	2.4	2
18	Inferring magnetospheric heavy ion density using EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6464-6473.	2.4	22

#	ARTICLE	IF	CITATIONS
19	Conjugate observations of traveling convection vortices associated with transient events at the magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 2015-2035.	2.4	18
20	Impact of active geomagnetic conditions on stimulated radiation during ionospheric second electron gyroharmonic heating. Journal of Geophysical Research: Space Physics, 2014, 119, 548-565.	2.4	9
21	An autonomous adaptive low-power instrument platform (AAL-PIP) for remote high-latitude geospace data collection. Geoscientific Instrumentation, Methods and Data Systems, 2014, 3, 211-227.	1.6	26
22	Geomagnetic response to solar wind dynamic pressure impulse events at high-latitude conjugate points. Journal of Geophysical Research: Space Physics, 2013, 118, 6055-6071.	2.4	19
23	Upstream-generated Pc3 ULF wave signatures observed near the Earth's cusp. Journal of Geophysical Research, 2012, 117, .	3.3	8
24	Initial GPS scintillation results from CASES receiver at South Pole, Antarctica. Radio Science, 2012, 47, .	1.6	21
25	Statistical study of Pc1-2 wave propagation characteristics in the high-latitude ionospheric waveguide. Journal of Geophysical Research, 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. Journal of Geophysical Research, 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. Geophysical Research Letters, 2006, 33, .	4.0	4