Khan-Hyuk Kim

List of Publications by Year
in descending order

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68 papers	954 citations	394421 19 h-index	552781 26 g-index
68 all docs	68 docs citations	68 times ranked	957 citing authors

#	Article	IF	Citations
1	Solar-Wind Proton Anisotropy Versus Beta Relation. Physical Review Letters, 2013, 110, 071103.	7.8	51
2	Pi2 pulsations observed with the Polar satellite and ground stations: Coupling of trapped and propagating fast mode waves to a midlatitude field line resonance. Journal of Geophysical Research, 2001, 106, 25891-25904.	3.3	43
3	Statistical analysis of compressional Pc3-4 pulsations observed by AMPTE CCE atL= 2-3 in the dayside magnetosphere. Journal of Geophysical Research, 1999, 104, 4539-4558.	3.3	39
4	EMIC waves observed at geosynchronous orbit under quiet geomagnetic conditions (KpÂâ‰Â1). Journal of Geophysical Research: Space Physics, 2016, 121, 1377-1390.	2.4	39
5	Magnetospheric responses to sudden and quasiperiodic solar wind variations. Journal of Geophysical Research, 2002, 107, SMP 36-1.	3.3	35
6	Prediction of the 1-AU arrival times of CME-associated interplanetary shocks: Evaluation of an empirical interplanetary shock propagation model. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	35
7	Plasmapause location under quiet geomagnetic conditions (Kp â‰¤ 1): THEMIS observations. Geophysical Research Letters, 2015, 42, 7303-7310.	4.0	34
8	Pi2 pulsations associated with poleward boundary intensifications during the absence of substorms. Journal of Geophysical Research, 2005, 110, .	3.3	31
9	Repetitive substorms caused by AlfvÃ©nic waves of the interplanetary magnetic field during high-speed solar wind streams. Journal of Geophysical Research, 2006, 111, .	3.3	29
10	Can intense substorms occur under northward IMF conditions?. Journal of Geophysical Research, 2010, 115, .	3.3	29
11	Statistical significance of association between whistlerâ€mode chorus enhancements and enhanced convection periods during highâ€speed streams. Journal of Geophysical Research, 2007, 112, .	3.3	26
12	Dependence of the highâ€latitude thermospheric densities on the interplanetary magnetic field. Journal of Geophysical Research, 2009, 114, .	3.3	24
13	Pi2 pulsations observed from the Polar satellite outside the plasmapause. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	22
14	Lowâ€latitude Pi2 pulsations during intervals of quiet geomagnetic conditions (K_pâ‰¤1). Journal of Geophysical Research: Space Physics, 2013, 118, 6145-6153.	2.4	21
15	Loss of geosynchronous relativistic electrons by EMIC wave scattering under quiet geomagnetic conditions. Journal of Geophysical Research: Space Physics, 2014, 119, 8357-8371.	2.4	21
16	Statistical analysis of the relationship between earthward flow bursts in the magnetotail and lowâ€latitude Pi2 pulsations. Journal of Geophysical Research, 2007, 112, .	3.3	20
17	Global expansion of the dayside magnetopause for longâ€duration radial IMF events: Statistical study on GOES observations. Journal of Geophysical Research: Space Physics, 2016, 121, 6480-6492.	2.4	20
18	Electrodynamics of a substorm-related field line resonance observed by the Polar satellite in comparison with ground Pi2 pulsations. Journal of Geophysical Research, 2003, 108, .	3.3	19

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19	Cluster observations in the magnetotail during sudden and quasiperiodic solar wind variations. Journal of Geophysical Research, 2004, 109, .	3.3	19
20	A case study of EMIC waves associated with sudden geosynchronous magnetic field changes. Journal of Geophysical Research: Space Physics, 2017, 122, 3322-3341.	2.4	19
21	Occurrence of EMIC waves and plasmaspheric plasmas derived from THEMIS observations in the outer magnetosphere: Revisit. Journal of Geophysical Research: Space Physics, 2016, 121, 9443-9458.	2.4	18
22	Longitudinal frequency variation of longâ€lasting EMIC Pc1â€Pc2 waves localized in the inner magnetosphere. Geophysical Research Letters, 2016, 43, 1039-1046.	4.0	18
23	A comparison of Pi2 pulsations in the inner magnetosphere and magnetic pulsations at geosynchronous orbit. Journal of Geophysical Research, 2001, 106, 18865-18872.	3.3	17
24	Ground-satellite coherence analysis of Pc3 pulsations. Journal of Geophysical Research, 1998, 103, 11755-11769.	3.3	15
25	Global MHD simulation of the geomagnetic sudden commencement on 21 October 1999. Journal of Geophysical Research, 2009, 114, .	3.3	15
26	Simultaneous Pi2 observations by the Van Allen Probes inside and outside the plasmasphere. Journal of Geophysical Research: Space Physics, 2015, 120, 4567-4575.	2.4	15
27	Spectral characteristics of steady quietâ€time EMIC waves observed at geosynchronous orbit. Journal of Geophysical Research: Space Physics, 2016, 121, 8640-8660.	2.4	15
28	Distribution of equatorial AlfvÃ©n velocity in the magnetosphere: a statistical analysis of THEMIS observations. Earth, Planets and Space, 2018, 70, .	2.5	15
29	A comparison of THEMIS Pi2 observations near the dawn and dusk sectors in the inner magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	14
30	Local timeâ€dependent Pi2 frequencies confirmed by simultaneous observations from THEMIS probes in the inner magnetosphere and at lowâ€latitude ground stations. Journal of Geophysical Research, 2012, 117, .	3.3	14
31	Magnetic Anomalies Within the Crisium Basin: Magnetization Directions, Source Depths, and Ages. Journal of Geophysical Research E: Planets, 2019, 124, 223-242.	3.6	14
32	Statistical analysis of SCâ€associated geosynchronous magnetic field perturbations. Journal of Geophysical Research, 2012, 117, .	3.3	12
33	A small lunar swirl and its implications for the formation of the Reiner Gamma magnetic anomaly. Icarus, 2019, 319, 869-884.	2.5	12
34	Plasmaspheric drainage plume observed by the Polar satellite in the prenoon sector and the IMAGE satellite during the magnetic storm of 11 April 2001. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	11
35	Response of thermosphere density to changes in interplanetary magnetic field sector polarity. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11
36	Magnetospheric responses to the passage of the interplanetary shock on 24 November 2008. Journal of Geophysical Research, 2012, 117, .	3.3	11

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37	Observations of Particle Loss due to Injectionâ€Associated Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028503.	2.4	11
38	Evidence for component merging near the subsolar magnetopause: Geotail observations. Geophysical Research Letters, 2002, 29, 4-1-4-3.	4.0	9
39	An empirical relationship between coronal mass ejection initial speed and solar wind dynamic pressure. Journal of Geophysical Research, 2010, 115, .	3.3	9
40	Large electric field at the nightside plasmapause observed by the Polar spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	9
41	Temporal and spatial components in the storm-time ionospheric disturbances. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
42	Detailed study of the Mare Crisium northern magnetic anomaly. Journal of Geophysical Research E: Planets, 2017, 122, 411-430.	3.6	9
43	Pi2 pulsations in a small and strongly asymmetric plasmasphere. Journal of Geophysical Research, 2005, 110, .	3.3	7
44	Reply to comment by N. Gopalswamy and H. Xie on â€œPrediction of the 1â€AU arrival times of CMEâ€associated interplanetary shocks: Evaluation of an empirical interplanetary shock propagation modelâ€• Journal of Geophysical Research, 2008, 113, .	3.3	7
45	Substorm and pseudo-substorm Pi2 pulsations observed during the interval of quasi-periodic magnetotail flow bursts: A case study. Earth, Planets and Space, 2010, 62, 413-425.	2.5	7
46	Statistical analysis of geosynchronous magnetic field perturbations near midnight during sudden commencements. Journal of Geophysical Research: Space Physics, 2014, 119, 4668-4680.	2.4	7
47	KMAG: KPLO Magnetometer Payload. Publications of the Astronomical Society of the Pacific, 2021, 133, 034506.	3.1	6
48	A Statistical Study of Lowâ€Energy Ion Flux Enhancements by EMIC Waves in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029793.	2.4	6
49	Dependence of Electromagnetic Ion Cyclotron Wave Occurrence on Northâ€South Orientation of Interplanetary Magnetic Field: THEMIS Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 11,354.	2.4	5
50	Characteristics of Pc5 activity at high latitudes stations in Antarctica. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 193, 105087.	1.6	5
51	Ionospheric Plasma Density Oscillation Related to EMIC Pc1 Waves. Geophysical Research Letters, 2020, 47, e2020GL089000.	4.0	5
52	A Case Study of Transversely Heated Lowâ€Energy Helium Ions by EMIC Waves in the Plasmasphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028560.	2.4	5
53	Analysis of the KPLO magnetic cleanliness for the KMAG instrument. Advances in Space Research, 2022, 69, 1198-1204.	2.6	5
54	The source of the steep plasma density gradient in middle latitudes during the 11â€“12 April 2001 storm. Journal of Geophysical Research, 2012, 117, .	3.3	4

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55	Statistical study of EMIC Pc1-Pc2 waves observed at subauroral latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 205, 105292.	1.6	4
56	Transpolar Arcs During a Prolonged Radial Interplanetary Magnetic Field Interval. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029197.	2.4	4
57	Development of Ground-Based Search-Coil Magnetometer for Near-Earth Space Research. Journal of Magnetics, 2016, 21, 509-515.	0.4	4
58	Characteristics of Sudden Commencements Observed by Van Allen Probes in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 1295-1304.	2.4	3
59	Magnetic Field Oscillations Observed by Swarm Satellites in the Nightside Upper Ionosphere During Lowâ€Latitude Pi2 Pulsations. Journal of Geophysical Research: Space Physics, 2019, 124, 6596-6612.	2.4	3
60	SCâ€Associated Electric Field Variations in the Magnetosphere and Ionospheric Convective Flows. Journal of Geophysical Research: Space Physics, 2017, 122, 11,044.	2.4	2
61	Radial Interplanetary Magnetic Fieldâ€Induced Northâ€South Asymmetry in Solar Windâ€Magnetosphereâ€Ionosphere Coupling: A Case Study. Journal of Geophysical Research: Space Physics, 0, , .	2.4	2
62	Disappearance of the polar cap ionosphere during geomagnetic storm on 11 May 2019. Space Weather, 0, , .	3.7	2
63	A Statistical Study of Pi2 Pulsations Observed in the Upper Ionosphere Using Swarm Magnetic Field Data. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027293.	2.4	1
64	Analysis of a CubeSat Magnetic Cleanliness for the Space Science Mission. Uju Gisulgwa Eungyong, 2022, 2, 41-51.	0.3	1
65	Enhanced magnetospheric/boundary layer plasma flows observed during transient magnetopause crossings. Geophysical Monograph Series, 2003, , 83-91.	0.1	0
66	Reply to comment by U. Villante and M. Piersanti on â€œStatistical analysis of geosynchronous magnetic field perturbations near midnight during sudden commencementsâ€. Journal of Geophysical Research: Space Physics, 2015, 120, 3824-3826.	2.4	0
67	Longâ€Lasting Groundâ€Satellite High Coherence of Compressional Dayside Pc3â€“Pc4 Pulsations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028074.	2.4	0
68	ULF Waves Observed by Lunar Prospector. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029680.	2.4	0