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	Analysis of the KPLO magnetic cleanliness for the KMAG instrument. Advances in Space Research, 2022, 69, 1198-1204.	2.6	5
2	Analysis of a CubeSat Magnetic Cleanliness for the Space Science Mission. Uju Gisulgwa Eungyong, 2022, 2, 41-51.	0.3	1
3	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
4	Observations of Particle Loss due to Injectionâ€Associated Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028503.	2.4	11
5	KMAG: KPLO Magnetometer Payload. Publications of the Astronomical Society of the Pacific, 2021, 133, 034506.	3.1	6
6	Transpolar Arcs During a Prolonged Radial Interplanetary Magnetic Field Interval. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029197.	2.4	4
7	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
8	ULF Waves Observed by Lunar Prospector. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029680.	2.4	0
9	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
10	Ionospheric Plasma Density Oscillation Related to EMIC Pc1 Waves. Geophysical Research Letters, 2020, 47, e2020GL089000.	4.0	5
11	Longâ€Lasting Groundâ€Satellite High Coherence of Compressional Dayside Pc3â€“Pc4 Pulsations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028074.	2.4	0
12	Statistical study of EMIC Pc1-Pc2 waves observed at subauroral latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 205, 105292.	1.6	4
13	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
14	Characteristics of Pc5 activity at high latitudes stations in Antarctica. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 193, 105087.	1.6	5
15	A small lunar swirl and its implications for the formation of the Reiner Gamma magnetic anomaly. Icarus, 2019, 319, 869-884.	2.5	12
16	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
17	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
18	Distribution of equatorial AlfvÃ©n velocity in the magnetosphere: a statistical analysis of THEMIS observations. Earth, Planets and Space, 2018, 70, .	2.5	15

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19	Detailed study of the Mare Crisium northern magnetic anomaly. Journal of Geophysical Research E: Planets, 2017, 122, 411-430.	3.6	9
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	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Development of Ground-Based Search-Coil Magnetometer for Near-Earth Space Research. Journal of Magnetics, 2016, 21, 509-515.	0.4	4
29	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
30	Plasmapause location under quiet geomagnetic conditions (Kp â‰ 1): THEMIS observations. Geophysical Research Letters, 2015, 42, 7303-7310.	4.0	34
31	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
32	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
33	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
34	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
35	Solar-Wind Proton Anisotropy Versus Beta Relation. Physical Review Letters, 2013, 110, 071103.	7.8	51
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	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
38	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
39	Statistical analysis of SCâ€associated geosynchronous magnetic field perturbations. Journal of Geophysical Research, 2012, 117, .	3.3	12
40	Temporal and spatial components in the storm-time ionospheric disturbances. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
41	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
42	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
43	Can intense substorms occur under northward IMF conditions?. Journal of Geophysical Research, 2010, 115, .	3.3	29
44	An empirical relationship between coronal mass ejection initial speed and solar wind dynamic pressure. Journal of Geophysical Research, 2010, 115, .	3.3	9
45	Large electric field at the nightside plasmapause observed by the Polar spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	9
46	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
47	Global MHD simulation of the geomagnetic sudden commencement on 21 October 1999. Journal of Geophysical Research, 2009, 114, .	3.3	15
48	Dependence of the highâ€latitude thermospheric densities on the interplanetary magnetic field. Journal of Geophysical Research, 2009, 114, .	3.3	24
49	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
50	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
51	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
52	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
53	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
54	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

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55	Pi2 pulsations associated with poleward boundary intensifications during the absence of substorms. Journal of Geophysical Research, 2005, 110, .	3.3	31
56	Pi2 pulsations observed from the Polar satellite outside the plasmapause. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	22
57	Pi2 pulsations in a small and strongly asymmetric plasmasphere. Journal of Geophysical Research, 2005, 110, .	3.3	7
58	Cluster observations in the magnetotail during sudden and quasiperiodic solar wind variations. Journal of Geophysical Research, 2004, 109, .	3.3	19
59	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
60	Enhanced magnetospheric/boundary layer plasma flows observed during transient magnetopause crossings. Geophysical Monograph Series, 2003, , 83-91.	0.1	0
61	Magnetospheric responses to sudden and quasiperiodic solar wind variations. Journal of Geophysical Research, 2002, 107, SMP 36-1.	3.3	35
62	Evidence for component merging near the subsolar magnetopause: Geotail observations. Geophysical Research Letters, 2002, 29, 4-1-4-3.	4.0	9
63	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
64	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
65	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
66	Ground-satellite coherence analysis of Pc3 pulsations. Journal of Geophysical Research, 1998, 103, 11755-11769.	3.3	15
67	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
68	Disappearance of the polar cap ionosphere during geomagnetic storm on 11 May 2019. Space Weather, 0, , .	3.7	2