

Dong-Hun Lee

List of Publications by Year in descending order

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117
papers

2,573
citations

201674

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123
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docs citations

123
times ranked

1521
citing authors

#	ARTICLE	IF	CITATIONS
1	Transpolar Arcs During a Prolonged Radial Interplanetary Magnetic Field Interval. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029197.	2.4	4
2	On the Persistent Poloidal Alfvén Waves. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092945.	4.0	4
3	Magnetic Field Oscillations Observed by Swarm Satellites in the Nightside Upper Ionosphere During Low-Latitude Pi2 Pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6596-6612.	2.4	3
4	Electron Inertial Effects on Linearly Polarized Electromagnetic Ion Cyclotron Waves at Earth's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2643-2655.	2.4	8
5	Non-stationary quasi-periodic pulsations in solar and stellar flares. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014024.	2.1	38
6	Roles of Flow Braking, Plasmaspheric Virtual Resonances, and Ionospheric Currents in Producing Ground Pi2 Pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9187-9203.	2.4	12
7	Undamped transverse oscillations of coronal loops as a self-oscillatory process. <i>Astronomy and Astrophysics</i> , 2016, 591, L5.	5.1	65
8	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8640-8660.	2.4	15
9	On the origin of the dawn-dusk asymmetry of toroidal Pc5 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9632-9650.	2.4	22
10	Occurrence of EMIC waves and plasmaspheric plasmas derived from THEMIS observations in the outer magnetosphere: Revisit. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9443-9458.	2.4	18
11	EMIC waves observed at geosynchronous orbit under quiet geomagnetic conditions ($Kp < 1$). <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1377-1390.	2.4	39
12	Magnetohydrodynamic Oscillations in the Solar Corona and Earth's Magnetosphere: Towards Consolidated Understanding. <i>Space Science Reviews</i> , 2016, 200, 75-203.	8.1	160
13	Inferring magnetospheric heavy ion density using EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6464-6473.	2.4	22
14	Simultaneous Pi2 observations by the Van Allen Probes inside and outside the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4567-4575.	2.4	15
15	Electron Debye scale Kelvin-Helmholtz instability: Electrostatic particle-in-cell simulations. <i>Physics of Plasmas</i> , 2015, 22, 122113.	1.9	3
16	MHD simulations using average solar wind conditions for substorms observed under northward IMF conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7672-7686.	2.4	6
17	Reply to comment by U. Villante and M. Piersanti on "Statistical analysis of geosynchronous magnetic field perturbations near midnight during sudden commencements". <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3824-3826.	2.4	0
18	Development and Test of 2.5-Dimensional Electromagnetic PIC Simulation Code. <i>Journal of Astronomy and Space Sciences</i> , 2015, 32, 45-50.	1.0	3

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19	Localization of Ultra-Low Frequency Waves in Multi-Ion Plasmas of the Planetary Magnetosphere. <i>Journal of Astronomy and Space Sciences</i> , 2015, 32, 289-295.	1.0	8
20	Field-line resonances in a time-varying magnetosphere. <i>Journal of the Korean Physical Society</i> , 2014, 64, 249-253.	0.7	0
21	Statistical analysis of geosynchronous magnetic field perturbations near midnight during sudden commencements. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4668-4680.	2.4	7
22	Oblique nonlinear whistler wave. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1851-1862.	2.4	22
23	Loss of geosynchronous relativistic electrons by EMIC wave scattering under quiet geomagnetic conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8357-8371.	2.4	21
24	Variation of Floating Potential in the Topside Ionosphere Observed by STSAT-1. <i>Journal of Astronomy and Space Sciences</i> , 2014, 31, 311-315.	1.0	3
25	Parameter spaces for linear and nonlinear whistler-mode waves. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	24
26	Sounding of the plasmasphere by Mid-continent MAGnetoseismic Chain (McMAC) magnetometers. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3077-3086.	2.4	44
27	Low-latitude Pi2 pulsations during intervals of quiet geomagnetic conditions ($K_p < 1$). <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6145-6153.	2.4	21
28	Solar-Wind Proton Anisotropy Versus Beta Relation. <i>Physical Review Letters</i> , 2013, 110, 071103.	7.8	51
29	Comparison of neural network and support vector machine methods for K_p forecasting. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5109-5117.	2.4	29
30	The two-micron spectral characteristics of the Titanian haze derived from Cassini/VIMS solar occultation spectra. <i>Planetary and Space Science</i> , 2013, 88, 93-99.	1.7	8
31	Field-line resonance structures in Mercury's multi-ion magnetosphere. <i>Earth, Planets and Space</i> , 2013, 65, 447-451.	2.5	14
32	Temperature dependence of mode conversion in warm, unmagnetized plasmas with a linear density profile. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	10
33	Relativistic electron acceleration by oblique whistler waves. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	13
34	Numerical Studies on ULF Wave Structures in the Dipole Model. <i>Geophysical Monograph Series</i> , 2013, , 293-297.	0.1	12
35	Statistical Analysis of Low-latitude Pi2 Pulsations Observed at Bohyun Station in Korea. <i>Journal of Astronomy and Space Sciences</i> , 2013, 30, 25-32.	1.0	3
36	Construction of a Thermal Vacuum Chamber for Environment Test of Triple CubeSat Mission TRIO-CINEMA. <i>Journal of Astronomy and Space Sciences</i> , 2013, 30, 335-344.	1.0	5

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37	Standing Kink Waves with Longitudinal Flow in Fine Threaded Coronal Loops: A New Method for the Coronal Seismology through Beat and Damped Waves. Publication of the Astronomical Society of Japan, 2012, 64, 46.	2.5	0
38	Empirical versus exact numerical quasilinear analysis of electromagnetic instabilities driven by temperature anisotropy. Journal of Plasma Physics, 2012, 78, 47-54.	2.1	18
39	On the centennial trend estimates of geomagnetic activity indices. Journal of Geophysical Research, 2012, 117, .	3.3	4
40	Magnetospheric responses to the passage of the interplanetary shock on 24 November 2008. Journal of Geophysical Research, 2012, 117, .	3.3	11
41	Long-term changes in indices of geomagnetic activity at the auroral station Sodankylä. Advances in Space Research, 2012, 50, 690-699.	2.6	4
42	Local time-dependent Pi2 frequencies confirmed by simultaneous observations from THEMIS probes in the inner magnetosphere and at low-latitude ground stations. Journal of Geophysical Research, 2012, 117, .	3.3	14
43	Comparison of <i>Dst</i> forecast models for intense geomagnetic storms. Journal of Geophysical Research, 2012, 117, .	3.3	25
44	The source of the steep plasma density gradient in middle latitudes during the 11–12 April 2001 storm. Journal of Geophysical Research, 2012, 117, .	3.3	4
45	Statistical analysis of SC-associated geosynchronous magnetic field perturbations. Journal of Geophysical Research, 2012, 117, .	3.3	12
46	Nonlinear spatiotemporal evolution of whistler mode chorus waves in Earth's inner magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	42
47	Thermal Analysis of TRIO-CINEMA Mission. Journal of Astronomy and Space Sciences, 2012, 29, 23-31.	1.0	12
48	Development of CINEMA Mission Uplink Communication System. Journal of Astronomy and Space Sciences, 2012, 29, 33-40.	1.0	1
49	Pi2 pulsations in the inner magnetosphere simultaneously observed by the Active Magnetospheric Particle Tracer Explorers/Charge Composition Explorer and Dynamics Explorer 1 satellites. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
50	Kalman filter technique for defining solar regular geomagnetic variations: Comparison of analog and digital methods at Sodankylä Observatory. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	4
51	Finite-beta effects on quasi-linear diffusion coefficients. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	3
52	Three-dimensional simulations of the lunar sodium exosphere and its tail. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
53	Mode conversion in a randomly-stratified unmagnetized plasma. , 2011, , .		0
54	Geosynchronous Magnetic Field Response to Solar Wind Dynamic Pressure. Journal of Astronomy and Space Sciences, 2011, 28, 27-36.	1.0	1

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55	Substorm and pseudo-substorm Pi2 pulsations observed during the interval of quasi-periodic magnetotail flow bursts: A case study. <i>Earth, Planets and Space</i> , 2010, 62, 413-425.	2.5	7
56	Resonant enhancement of mode conversion in unmagnetized plasmas due to a periodic density modulation superimposed on a linear electron density profile. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	15
57	Statistical comparison of interplanetary conditions causing intense geomagnetic storms ($Dst \approx -100$) Tj ETQq1_1.0.784314 rgBT / 0	3.3	15
58	Dependence of solar proton events on their associated activities: Flare parameters. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	19
59	Large electric field at the nightside plasmopause observed by the Polar spacecraft. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	9
60	Multipoint observation of fast mode waves trapped in the dayside plasmasphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
61	A comparison of THEMIS Pi2 observations near the dawn and dusk sectors in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14
62	Waves in Space Plasmas. <i>AIP Conference Proceedings</i> , 2009, , .	0.4	6
63	Global MHD simulation of the geomagnetic sudden commencement on 21 October 1999. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	15
64	Interplay between mode conversion and surface wave excitation phenomena in a transition layer between positive and negative index media. , 2009, , .		0
65	Possible evidence of virtual resonance in the dayside magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	12
66	Resonant absorption and mode conversion in a transition layer between positive-index and negative-index media. <i>Optics Express</i> , 2008, 16, 18505.	3.4	30
67	Effects of heavy ions on ULF wave resonances near the equatorial region. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
68	Resonant absorption of ULF waves at Mercury's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	20
69	Gradient methods applied to simulated ULF data: The effects of the ionospheric damping factor. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	1
70	Propagation of p-polarized electromagnetic waves obliquely incident on stratified random media: Random phase approximation. <i>Waves in Random and Complex Media</i> , 2007, 17, 43-53.	2.7	5
71	Overview of scientific payloads onboard the KSR-III rocket. <i>Acta Astronautica</i> , 2007, 60, 880-888.	3.2	2
72	MHD eigenmodes in the inner magnetosphere. <i>Geophysical Monograph Series</i> , 2006, , 73-89.	0.1	20

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73	Exact analytical expressions for the dispersion relation of one-dimensional chiral photonic crystals. <i>Waves in Random and Complex Media</i> , 2006, 16, 75-84.	2.7	15
74	Tamao travel time of sudden impulses and its relationship to ionospheric convection vortices. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	34
75	Simultaneous ground-based and satellite observations of Pc5 geomagnetic pulsations: A case study using multipoint measurements. <i>Earth, Planets and Space</i> , 2006, 58, 873-883.	2.5	5
76	Realistic magnetospheric density model for 29 August 2000. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 615-628.	1.6	14
77	Invariant imbedding theory of mode conversion in inhomogeneous plasmas. II. Mode conversion in cold, magnetized plasmas with perpendicular inhomogeneity. <i>Physics of Plasmas</i> , 2006, 13, 042103.	1.9	29
78	Statistical characteristics of secondary ozone density peak observed in Korea. <i>Advances in Space Research</i> , 2005, 36, 952-957.	2.6	8
79	Conversion of ordinary and extraordinary waves into upper hybrid waves in inhomogeneous plasmas. <i>Physics of Plasmas</i> , 2005, 12, 052903.	1.9	9
80	Invariant imbedding theory of mode conversion in inhomogeneous plasmas. I. Exact calculation of the mode conversion coefficient in cold, unmagnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 062101.	1.9	26
81	Theory of the propagation of coupled waves in arbitrarily inhomogeneous stratified media. <i>Europhysics Letters</i> , 2005, 69, 207-213.	2.0	48
82	Pi2 pulsations associated with poleward boundary intensifications during the absence of substorms. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	31
83	Pi2 pulsations observed from the Polar satellite outside the plasmopause. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	22
84	Pi2 pulsations in a small and strongly asymmetric plasmasphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	7
85	Effects of ionospheric damping on MHD wave mode structure. <i>Earth, Planets and Space</i> , 2004, 56, e33-e36.	2.5	9
86	Investigations of MHD wave coupling in a 3-D numerical model: effects of temperature gradients. <i>Advances in Space Research</i> , 2004, 33, 742-746.	2.6	2
87	Cluster observations in the magnetotail during sudden and quasiperiodic solar wind variations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	19
88	CRRES electric field study of the radial mode structure of Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	73
89	Resonant absorption of ULF waves near the ion cyclotron frequency: A simulation study. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	16
90	PROPAGATION OF SUDDEN IMPULSES IN A DIPOLAR MAGNETOSPHERE. <i>Journal of the Korean Astronomical Society</i> , 2003, 36, 101-107.	1.5	0

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91	Propagation of sudden impulses in the magnetosphere: Linear and nonlinear waves. COSPAR Colloquia Series, 2002, , 175-180.	0.2	1
92	Compressional MHD wave transport in the magnetosphere 1. Reflection and transmission across the plasmopause. Journal of Geophysical Research, 2002, 107, SMP 16-1.	3.3	19
93	Magnetospheric responses to sudden and quasiperiodic solar wind variations. Journal of Geophysical Research, 2002, 107, SMP 36-1.	3.3	35
94	Evidence for component merging near the subsolar magnetopause: Geotail observations. Geophysical Research Letters, 2002, 29, 4-1-4-3.	4.0	9
95	Detection of ultralow-frequency cavity modes using spacecraft data. Journal of Geophysical Research, 2002, 107, SMP 7-1.	3.3	52
96	Quantitative test of the cavity resonance explanation of plasmaspheric Pi2 frequencies. Journal of Geophysical Research, 2002, 107, SMP 4-1.	3.3	18
97	Generation of field-aligned currents in the near-Earth magnetotail. Geophysical Research Letters, 2001, 28, 1883-1886.	4.0	9
98	Simultaneous satellite and ground observations of transient events near the morningside magnetopause. Journal of Geophysical Research, 2001, 106, 5743-5760.	3.3	3
99	Numerical studies on the propagation of sudden impulses in the dipole magnetosphere. Journal of Geophysical Research, 2001, 106, 8435-8445.	3.3	19
100	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
101	Spacecraft potential variations inside the magnetopause during transient events: Geotail observations. Journal of Geophysical Research, 2001, 106, 26103-26109.	3.3	2
102	Propagation of sudden impulses in the magnetosphere: Linear waves. Advances in Space Research, 2000, 25, 1531-1539.	2.6	8
103	Theory of one-dimensional solitons, polarons, and multipolarons: An alternative formulation. Physical Review B, 2000, 61, 10768-10776.	3.2	3
104	Nonlinear MHD wave propagation in the magnetosphere: A time-dependent approach. Journal of Geophysical Research, 2000, 105, 23345-23352.	3.3	3
105	Field line resonances in a nonaxisymmetric magnetic field. Journal of Geophysical Research, 2000, 105, 10703-10711.	3.3	18
106	Compressional MHD waves in the magnetosphere: A new approach. Journal of Geophysical Research, 1999, 104, 12379-12385.	3.3	57
107	MHD waves in a three-dimensional dipolar magnetic field: A search for Pi2 pulsations. Journal of Geophysical Research, 1999, 104, 28691-28699.	3.3	80
108	On the generation mechanism of Pi 2 pulsations in the magnetosphere. Geophysical Research Letters, 1998, 25, 583-586.	4.0	55

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109	Jovian aurorae. Reports on Progress in Physics, 1998, 61, 525-568.	20.1	4
110	Rocket soundings of ozone profiles in the stratosphere over the Korean Peninsula. Journal of Geophysical Research, 1997, 102, 16121-16126.	3.3	5
111	Dynamics of MHD wave propagation in the low-latitude magnetosphere. Journal of Geophysical Research, 1996, 101, 15371-15386.	3.3	91
112	Response of the dipole magnetosphere to pressure pulses. Geophysical Research Letters, 1992, 19, 937-940.	4.0	77
113	Monochromatic ULF wave excitation in the dipole magnetosphere. Journal of Geophysical Research, 1991, 96, 5811-5817.	3.3	52
114	Impulsive excitation of ULF waves in the three-dimensional dipole model: The initial results. Journal of Geophysical Research, 1991, 96, 3479-3486.	3.3	82
115	Effects of azimuthal asymmetry on ULF waves in the dipole magnetosphere. Geophysical Research Letters, 1990, 17, 53-56.	4.0	66
116	Magnetospheric ULF wave coupling in the dipole model: The impulsive excitation. Journal of Geophysical Research, 1989, 94, 17097-17103.	3.3	194
117	Generation of ULF Waves by Fluctuations in the Magnetopause Position. Geophysical Monograph Series, 0, , 273-281.	0.1	21