

Dae-Young Lee

List of Publications by Year in descending order

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74
papers

1,330
citations

361413

20
h-index

395702

33
g-index

75
all docs

75
docs citations

75
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar wind-magnetosphere coupling leading to relativistic electron energization during high-speed streams. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	84
2	Numerical calculations of relativistic electron drift loss effect. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	84
3	Global auroral responses to abrupt solar wind changes: Dynamic pressure, substorm, and null events. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	68
4	Geosynchronous magnetic field response to solar wind dynamic pressure pulse. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	62
5	Comparison of geosynchronous energetic particle flux responses to solar wind dynamic pressure enhancements and substorms. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
6	Sawtooth oscillations directly driven by solar wind dynamic pressure enhancements. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	56
7	Numerical estimates of drift loss and Dst effect for outer radiation belt relativistic electrons with arbitrary pitch angle. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	52
8	Statistical characteristics of plasma flows associated with magnetic dipolarizations in the near-tail region of $r < 12 R_E$. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
9	Ion thermal pressure effects on dust ion acoustic solitary waves in a dusty plasma obliquely propagating to an external magnetic field. <i>Physics of Plasmas</i> , 2005, 12, 072301.	1.9	38
10	Ion acoustic solitary waves in a dusty plasma obliquely propagating to an external magnetic field. <i>Physics of Plasmas</i> , 2005, 12, 022304.	1.9	36
11	Origin of geosynchronous relativistic electron events. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	32
12	Ballooning instability in the tail plasma sheet. <i>Geophysical Research Letters</i> , 1998, 25, 4095-4098.	4.0	29
13	Repetitive substorms caused by Alfvénic waves of the interplanetary magnetic field during high-speed solar wind streams. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	29
14	Can intense substorms occur under northward IMF conditions?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
15	Artificial neural network prediction model for geosynchronous electron fluxes: Dependence on satellite position and particle energy. <i>Space Weather</i> , 2016, 14, 313-321.	3.7	29
16	Dependence of plasmaspheric hiss on solar wind parameters and geomagnetic activity and modeling of its global distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1153-1167.	2.4	28
17	Evidence that solar wind fluctuations substantially affect global convection and substorm occurrence. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	27
18	Statistical significance of association between whistler-mode chorus enhancements and enhanced convection periods during high-speed streams. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	26

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19	New model fit functions of the plasmopause location determined using THEMIS observations during the ascending phase of Solar Cycle 24. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2877-2889.	2.4	25
20	Evidence that solar wind fluctuations substantially affect the strength of dayside ionospheric convection. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
21	Magnetopause structure favorable for radiation belt electron loss. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5495-5508.	2.4	21
22	Van Allen Probes observations of electromagnetic ion cyclotron waves triggered by enhanced solar wind dynamic pressure. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9771-9793.	2.4	20
23	Electron flux changes in the outer radiation belt by radial diffusion during the storm recovery phase in comparison with the fully adiabatic evolution. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	19
24	Effect of hot anisotropic He ⁺ ions on the growth and damping of electromagnetic ion cyclotron waves in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4935-4942.	2.4	19
25	Statistical characteristics and significance of low-frequency instability associated with magnetic dipolarizations in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
26	Long-term loss and reformation of the outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3297-3313.	2.4	18
27	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
28	Energetic neutral atom response to solar wind dynamic pressure enhancements. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
29	Some statistical properties of flow bursts in the magnetotail. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	17
30	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
31	Reasons why some solar wind changes do not trigger substorms. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	14
32	Dynamic pressure enhancements as a cause of large-scale stormtime substorms. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
33	Effect of plasma compression on plasma sheet stability. <i>Geophysical Research Letters</i> , 1999, 26, 2705-2708.	4.0	13
34	Modeling of remote sensing of thin current sheet. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	13
35	Effects of charged dust particles on nonlinear ion acoustic solitary waves in a relativistic plasma. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	13
36	On the poleward boundary of the nightside auroral oval under northward interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13

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37	On near-tail bubble penetration into geosynchronous altitude. Journal of Geophysical Research, 2012, 117, .	3.3	13
38	Effects of Oblique Wave Normal Angle and Noncircular Polarization of Electromagnetic Ion Cyclotron Waves on the Pitch Angle Scattering of Relativistic Electrons. Journal of Geophysical Research: Space Physics, 2018, 123, 4556-4573.	2.4	13
39	A new perspective on the role of the solar wind dynamic pressure in the ring current particle loss through the magnetopause. Journal of Geophysical Research, 2005, 110, .	3.3	12
40	Solitary Alfvén waves in a dusty plasma. Physics of Plasmas, 2007, 14, 052304.	1.9	12
41	Observations of Particle Loss due to Injection-Associated Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028503.	2.4	11
42	Are repetitive particle injections during high-speed solar wind streams classic substorms?. Journal of Geophysical Research, 2008, 113, .	3.3	10
43	Nonlinear Scattering of 90° Pitch Angle Electrons in the Outer Radiation Belt by Large-Amplitude EMIC Waves. Geophysical Research Letters, 2020, 47, e2019GL086738.	4.0	10
44	Rapid Injections of MeV Electrons and Extremely Fast Step-Like Outer Radiation Belt Enhancements. Geophysical Research Letters, 2021, 48, e2021GL093151.	4.0	10
45	Substorms associated with azimuthal turnings of the interplanetary magnetic field. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 1763-1774.	1.6	9
46	A prediction model for the global distribution of whistler chorus wave amplitude developed separately for two latitudinal zones. Journal of Geophysical Research: Space Physics, 2015, 120, 2819-2837.	2.4	9
47	Ion-acoustic solitary waves in ion-beam plasma with Boltzmann electrons. Physics of Plasmas, 2012, 19, 032105.	1.9	8
48	Determining radial boundary conditions of outer radiation belt electrons using THEMIS observations. Journal of Geophysical Research: Space Physics, 2013, 118, 2888-2896.	2.4	8
49	Origin of Solar Rotational Periodicity and Harmonics Identified in the Interplanetary Magnetic Field B_z Component Near the Earth During Solar Cycles 23 and 24. Solar Physics, 2019, 294, 1.	2.5	8
50	Statistical features of substorm indicators during geomagnetic storms. Journal of Geophysical Research, 2002, 107, SMP 16-1.	3.3	7
51	Significant loss of energetic electrons at the heart of the outer radiation belt during weak magnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 4221-4236.	2.4	7
52	Observational test of interchange instability associated with magnetic dipolarization in the near-Earth plasma sheet of $r < r_E$. Journal of Geophysical Research, 2012, 117, .	3.3	6
53	MHD simulations using average solar wind conditions for substorms observed under northward IMF conditions. Journal of Geophysical Research: Space Physics, 2015, 120, 7672-7686.	2.4	6
54	How are storm time injections different from nonstorm time injections?. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1715-1725.	1.6	5

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55	Comprehensive analysis of the flux dropout during 7–8 November 2008 storm using multisatellite observations and RBE model. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4298-4312.	2.4	5
56	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
57	Characteristics of Suprathermal Electrons in Small-Scale Magnetic Flux Ropes and Their Implications on the Magnetic Connection to the Sun. <i>Solar Physics</i> , 2021, 296, 1.	2.5	5
58	Statistical properties and geoeffectiveness of southward interplanetary magnetic field with emphasis on weakly southward B_z events. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4921-4934.	2.4	4
59	Proton Perpendicular Heating by Kinetic Alfvén Waves. <i>Astrophysical Journal</i> , 2019, 878, 141.	4.5	4
60	Electron Bernstein-Greene-Kruskal hole for obliquely propagating solitary kinetic Alfvén waves. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	3
61	Responses of Nitrogen Oxide to High-Speed Solar Wind Stream in the Polar Middle Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9788-9801.	2.4	3
62	Global Three-Dimensional Simulation of the Earth's Magnetospheric and Ionospheric Responses to Small-Scale Magnetic Flux Ropes in the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6307-6325.	2.4	2
63	Sensitive Dependence of Ultrarelativistic Electron Precipitation on EMIC Wave Frequency. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028270.	2.4	2
64	Multi-Year Statistics of LEO Energetic Electrons as Observed by the Korean NextSat-1. <i>Space Weather</i> , 2021, 19, e2021SW002787.	3.7	2
65	Simultaneous Influence of Whistler-Mode Chorus and EMIC Waves on Electron Loss in the Earth's Radiation Belt. <i>Journal of the Korean Physical Society</i> , 2020, 77, 707-713.	0.7	2
66	Response of the Poleward Boundary of the Nightside Auroral Oval to Impacts of Solar Wind Dynamic Pressure Enhancement. <i>Journal of Astronomy and Space Sciences</i> , 2010, 27, 189-194.	1.0	2
67	Prediction Model of the Outer Radiation Belt Developed by Chungbuk National University. <i>Journal of Astronomy and Space Sciences</i> , 2014, 31, 303-309.	1.0	2
68	Response to "Comment on "Effects of charged dust particles on nonlinear ion acoustic solitary waves in a relativistic plasma" [Phys. Plasmas 16, 064701 (2009)]. <i>Physics of Plasmas</i> , 2009, 16, 064702.	1.9	1
69	Magnetic field depression at the Earth's surface during energetic neutral atom emission fade-out in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	1
70	Electrostatic odd symmetric eigenmode in inhomogeneous Bernstein-Greene-Kruskal equilibrium. <i>Physics of Plasmas</i> , 2018, 25, 042104.	1.9	1
71	Polar Middle Atmospheric Responses to Medium Energy Electron (MEE) Precipitation Using Numerical Model Simulations. <i>Atmosphere</i> , 2021, 12, 133.	2.3	1
72	Near-orthogonal Orientation of Small-scale Magnetic Flux Ropes Relative to the Background Interplanetary Magnetic Field. <i>Astrophysical Journal</i> , 2022, 931, 98.	4.5	1

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73	Anomalous Proton Velocity Diffusion by Quasi-monochromatic Kinetic Alfvén Waves. <i>Astrophysical Journal</i> , 2021, 910, 140.	4.5	0
74	Plasma Flows and Bubble Properties Associated with the Magnetic Dipolarization in Space Close to Geosynchronous Orbit. <i>Journal of Astronomy and Space Sciences</i> , 2013, 30, 95-100.	1.0	0