

D L Gallagher

List of Publications by Year in descending order

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36
papers

1,942
citations

304743

22
h-index

395702

33
g-index

37
all docs

37
docs citations

37
times ranked

1122
citing authors

#	ARTICLE	IF	CITATIONS
1	Global core plasma model. <i>Journal of Geophysical Research</i> , 2000, 105, 18819-18833.	3.3	297
2	Initial results from the IMAGE Extreme Ultraviolet Imager. <i>Geophysical Research Letters</i> , 2001, 28, 1439-1442.	4.0	172
3	Plasma observations at the Earth's magnetic equator. <i>Journal of Geophysical Research</i> , 1987, 92, 2385-2407.	3.3	150
4	Funnel-shaped, low-frequency equatorial waves. <i>Journal of Geophysical Research</i> , 1992, 97, 14967-14976.	3.3	142
5	Identifying the plasma pause in IMAGE EUV data using IMAGE RPI in situ steep density gradients. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	130
6	Relative concentration of He ⁺ in the inner magnetosphere as observed by the DE 1 retarding ion mass spectrometer. <i>Journal of Geophysical Research</i> , 1997, 102, 2279-2289.	3.3	102
7	Formation of density troughs embedded in the outer plasmasphere by subauroral ion drift events. <i>Journal of Geophysical Research</i> , 1997, 102, 14595-14602.	3.3	93
8	MHD wave breaking in the outer plasmasphere. <i>Geophysical Research Letters</i> , 1987, 14, 1007-1010.	4.0	87
9	Dependence of plasmaspheric morphology on the electric field description during the recovery phase of the 17 April 2002 magnetic storm. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	77
10	Plasmaspheric mass loss and refilling as a result of a magnetic storm. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	75
11	Origin and evolution of deep plasmaspheric notches. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	68
12	Parametric analysis of nightside conductance effects on inner magnetospheric dynamics for the 17 April 2002 storm. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	65
13	Latitudinal density dependence of magnetic field lines inferred from Polar plasma wave data. <i>Journal of Geophysical Research</i> , 2001, 106, 6195-6201.	3.3	64
14	Self-consistent model of magnetospheric ring current and propagating electromagnetic ion cyclotron waves: Waves in multi-ion magnetosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	43
15	Toroidal wave frequency at L= 6-10: Active Magnetospheric Particle Tracer Explorers/CCE observations and comparison with theoretical model. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 2-1-SMP 2-14.	3.3	39
16	Analyzing electric field morphology through data-model comparisons of the Geospace Environment Modeling Inner Magnetosphere/Storm Assessment Challenge events. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	37
17	Self-consistent TM production of ion conics on return current region auroral field lines: A time-dependent, semi-kinetic model. <i>Geophysical Research Letters</i> , 1991, 18, 1841-1844.	4.0	33
18	Self-consistent model of magnetospheric ring current and propagating electromagnetic ion cyclotron waves: 2. Wave-induced ring current precipitation and thermal electron heating. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Evidence for potential and inductive convection during intense geomagnetic events using normalized superposed epoch analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 181-191.	2.4	29
20	Statistical storm time examination of MLT-dependent plasmapause location derived from IMAGE EUV. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5545-5559.	2.4	25
21	A simple model of magnetospheric trough total density. <i>Journal of Geophysical Research</i> , 1998, 103, 9293-9297.	3.3	24
22	A new solar wind-driven global dynamic plasmapause model: 2. Model and validation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7172-7187.	2.4	24
23	Unsolved problems in plasmasphere refilling. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1447-1451.	2.4	23
24	A new solar wind-driven global dynamic plasmapause model: 1. Database and statistics. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7153-7171.	2.4	16
25	Temperature Dependence of Plasmaspheric Ion Composition. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6585-6595.	2.4	16
26	The Breathing Plasmasphere: Erosion and Refilling. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028727.	2.4	16
27	Imaging the Global Distribution of Plasmaspheric Oxygen. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2078-2103.	2.4	13
28	Laboratory testing of the Mini-Magnetospheric Plasma Propulsion (M2P2) prototype. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	12
29	CLUSTER and IMAGE: New Ways to Study the Earth's Plasmasphere. <i>Space Science Reviews</i> , 2009, 145, 7-53.	8.1	10
30	Proton aurora dynamics in response to the IMF and solar wind variations. <i>Geophysical Research Letters</i> , 2002, 29, 26-1.	4.0	6
31	Plasmapause equatorial shape determination via the Minimum L Algorithm: Description and evaluation. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	6
32	Cusp and LLBL as sources of the isolated dayside auroral feature during northward IMF. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	5
33	Synthesis of 3D Model of a Magnetic Field-Influenced Body from a Single Image. , 2006, , .		4
34	Plasma Imaging, Local Measurement, and Tomographic Experiment (PILOT): A Mission Concept for Transformational Multi-Scale Observations of Mass and Energy Flow Dynamics in Earth's Magnetosphere. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	2.8	4
35	A Study of the Statistical Behavior of Ion Temperatures from De 1 / RIMS. <i>Geophysical Monograph Series</i> , 2013, , 173-182.	0.1	3
36	Statistical Study of Enhanced Ion Fluxes in the Outer Plasmasphere. <i>Geophysical Monograph Series</i> , 0, , 172-176.	0.1	3