

D L Gallagher

List of Publications by Year in descending order

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36
papers

1,942
citations

304743

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395702

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37
docs citations

37
times ranked

1122
citing authors

#	ARTICLE	IF	CITATIONS
1	The Breathing Plasmasphere: Erosion and Refilling. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028727.	2.4	16
2	Temperature Dependence of Plasmaspheric Ion Composition. Journal of Geophysical Research: Space Physics, 2019, 124, 6585-6595.	2.4	16
3	Imaging the Global Distribution of Plasmaspheric Oxygen. Journal of Geophysical Research: Space Physics, 2018, 123, 2078-2103.	2.4	13
4	A new solar wind-driven global dynamic plasmopause model: 2. Model and validation. Journal of Geophysical Research: Space Physics, 2017, 122, 7172-7187.	2.4	24
5	A new solar wind-driven global dynamic plasmopause model: 1. Database and statistics. Journal of Geophysical Research: Space Physics, 2017, 122, 7153-7171.	2.4	16
6	Unsolved problems in plasmasphere refilling. Journal of Geophysical Research: Space Physics, 2016, 121, 1447-1451.	2.4	23
7	Statistical storm time examination of MLT-dependent plasmopause location derived from IMAGE ELIV. Journal of Geophysical Research: Space Physics, 2015, 120, 5545-5559.	2.4	25
8	A Study of the Statistical Behavior of Ion Temperatures from De 1 / RIMS. Geophysical Monograph Series, 2013, , 173-182.	0.1	3
9	Evidence for potential and inductive convection during intense geomagnetic events using normalized superposed epoch analysis. Journal of Geophysical Research: Space Physics, 2013, 118, 181-191.	2.4	29
10	CLUSTER and IMAGE: New Ways to Study the Earth's Plasmasphere. Space Science Reviews, 2009, 145, 7-53.	8.1	10
11	Self-consistent model of magnetospheric ring current and propagating electromagnetic ion cyclotron waves: 2. Wave-induced ring current precipitation and thermal electron heating. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	29
12	Plasmopause equatorial shape determination via the Minimum L Algorithm: Description and evaluation. Journal of Geophysical Research, 2007, 112, .	3.3	6
13	Analyzing electric field morphology through data-model comparisons of the Geospace Environment Modeling Inner Magnetosphere/Storm Assessment Challenge events. Journal of Geophysical Research, 2006, 111, .	3.3	37
14	Self-consistent model of magnetospheric ring current and propagating electromagnetic ion cyclotron waves: Waves in multi-ion magnetosphere. Journal of Geophysical Research, 2006, 111, .	3.3	43
15	Synthesis of 3D Model of a Magnetic Field-Influenced Body from a Single Image. , 2006, , .		4
16	Origin and evolution of deep plasmaspheric notches. Journal of Geophysical Research, 2005, 110, .	3.3	68
17	Parametric analysis of nightside conductance effects on inner magnetospheric dynamics for the 17 April 2002 storm. Journal of Geophysical Research, 2005, 110, .	3.3	65
18	Plasmaspheric mass loss and refilling as a result of a magnetic storm. Journal of Geophysical Research, 2004, 109, .	3.3	75

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Identifying the plasmopause in IMAGE EUV data using IMAGE RPI in situ steep density gradients. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	130
22	Proton aurora dynamics in response to the IMF and solar wind variations. <i>Geophysical Research Letters</i> , 2002, 29, 26-1.	4.0	6
23	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
24	Laboratory testing of the Mini-Magnetospheric Plasma Propulsion (M2P2) prototype. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	12
25	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
26	Initial results from the IMAGE Extreme Ultraviolet Imager. <i>Geophysical Research Letters</i> , 2001, 28, 1439-1442.	4.0	172
27	Global core plasma model. <i>Journal of Geophysical Research</i> , 2000, 105, 18819-18833.	3.3	297
28	A simple model of magnetospheric trough total density. <i>Journal of Geophysical Research</i> , 1998, 103, 9293-9297.	3.3	24
29	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
30	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
31	Funnel-shaped, low-frequency equatorial waves. <i>Journal of Geophysical Research</i> , 1992, 97, 14967-14976.	3.3	142
32	"Self-consistent" 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
33	MHD wave breaking in the outer plasmasphere. <i>Geophysical Research Letters</i> , 1987, 14, 1007-1010.	4.0	87
34	Plasma observations at the Earth's magnetic equator. <i>Journal of Geophysical Research</i> , 1987, 92, 2385-2407.	3.3	150
35	Statistical Study of Enhanced Ion Fluxes in the Outer Plasmasphere. <i>Geophysical Monograph Series</i> , 0, , 172-176.	0.1	3
36	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