W J Hughes

List of Publications by Year
in descending order

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54 papers	2,746 citations	186209 28 h-index	189801 50 g-index
54 all docs	54 docs citations	54 times ranked	1512 citing authors

#	Article	IF	Citations
1	The screening of micropulsation signals by the atmosphere and ionosphere. Journal of Geophysical Research, 1976, 81, 3234-3240.	3.3	444
2	An illustration of modification of geomagnetic pulsation structure by the ionosphere. Journal of Geophysical Research, 1976, 81, 3241-3247.	3.3	188
3	On the 3â€dimensional structure of plasmoids. Geophysical Research Letters, 1987, 14, 636-639.	1.5	170
4	Geomagnetic pulsations observed simultaneously on three geostationary satellites. Journal of Geophysical Research, 1978, 83, 1109-1116.	3.3	140
5	Standing hydromagnetic waves observed by ISEE 1 and 2: Radial extent and harmonic. Journal of Geophysical Research, 1982, 87, 3519-3529.	3.3	138
6	Distribution of density along magnetospheric field lines. Journal of Geophysical Research, 2006, 111, .	3.3	122
7	AlfvÃ©n waves generated by an inverted plasma energy distribution. Nature, 1978, 275, 43-45.	13.7	116
8	CDAW 8 observations of plasmoid signatures in the geomagnetic tail: An assessment. Journal of Geophysical Research, 1989, 94, 15153-15175.	3.3	108
9	Metrics for solar wind prediction models: Comparison of empirical, hybrid, and physicsâ€based schemes with 8 years of L1 observations. Space Weather, 2008, 6, .	1.3	105
10	Solar Flares and Coronal Mass Ejections: AÂStatistically Determined Flare Fluxâ€‰â€“â€‰CME Mass Correlation. Solar Physics, 2011, 268, 195-212.	1.0	85
11	Response of the ionosphere to a density pulse in the solar wind: Simulation of traveling convection vortices. Geophysical Research Letters, 1999, 26, 3549-3552.	1.5	75
12	A statistical study of Pc 3 magnetic pulsations at synchronous orbit, ATS 6. Journal of Geophysical Research, 1977, 82, 1149-1157.	3.3	62
13	A statistical study of the global structure of the ring current. Journal of Geophysical Research, 2004, 109, .	3.3	62
14	The distribution of solar wind speeds during solar minimum: Calibration for numerical solar wind modeling constraints on the source of the slow solar wind. Journal of Geophysical Research, 2011, 116, .	3.3	56
15	Reconfiguration timescales of ionospheric convection. Geophysical Research Letters, 2001, 28, 2145-2148.	1.5	54
16	Characterizing the long-period ULF response to magnetic storms. Journal of Geophysical Research, 2003, 108, .	3.3	54
17	Impulseâ€excited pulsations during the July 29, 1977, event. Journal of Geophysical Research, 1982, 87, 5911-5916.	3.3	50
18	Observational evidence of cavity modes in the Earth's magnetosphere. Journal of Geophysical Research, 1987, 92, 12233-12240.	3.3	48

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19	Effects of nightside O⁺ outflow on magnetospheric dynamics: Results of multifluid MHD modeling. Journal of Geophysical Research, 2010, 115, .	3.3	46
20	A second harmonic geomagnetic field line resonance at the inner edge of the plasma sheet: GEOS 1, ISEE 1, and ISEE 2 observations. Journal of Geophysical Research, 1984, 89, 2755-2764.	3.3	44
21	Role of coronal mass ejections in the heliospheric Hale cycle. Geophysical Research Letters, 2007, 34, .	1.5	44
22	Concerning the structure of Pi 2 pulsations. Journal of Geophysical Research, 1985, 90, 386-392.	3.3	43
23	Multiple satellite observations of pulsation resonance structure in the magnetosphere. Journal of Geophysical Research, 1977, 82, 492-498.	3.3	34
24	Hydromagnetic Waves in the Magnetosphere. Astrophysics and Space Science Library, 1983, , 453-477.	1.0	34
25	Effect of atmosphere and ionosphere on magnetospheric micropulsation signals. Nature, 1974, 248, 493-495.	13.7	33
26	Phase skipping and packet structure in geomagnetic pulsation signals. Journal of Geophysical Research, 1980, 85, 6888-6892.	3.3	32
27	Solar wind drivers of Traveling Convection Vortices. Geophysical Research Letters, 2003, 30, .	1.5	32
28	Hydromagnetic waves in the magnetosphere. Reviews of Geophysics, 1983, 21, 508-520.	9.0	28
29	Tailward progression of magnetotail acceleration centers: Relationship to substorm current wedge. Journal of Geophysical Research, 1996, 101, 24599-24619.	3.3	27
30	Conjugate observations of traveling convection vortices: The field-aligned current system. Journal of Geophysical Research, 2002, 107, SIA 14-1.	3.3	23
31	Ground Observations of Transient Cusp Phenomena: Initial Results from MACCS. Geophysical Monograph Series, 0, , 427-437.	0.1	21
32	A statistical study of traveling convection vortices using the Magnetometer Array for Cusp and Cleft Studies. Journal of Geophysical Research, 2002, 107, SIA 18-1.	3.3	20
33	Finding the Lyon-Fedder-Mobarry magnetopause: A statistical perspective. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	20
34	Posteruptive phenomena in coronal mass ejections and substorms: Indicators of a universal process?. Journal of Geophysical Research, 2008, 113, .	3.3	19
35	The radial evolution of solar wind speeds. Journal of Geophysical Research, 2011, 116, .	3.3	19
36	Predicting magnetospheric dynamics with a coupled Sunâ€toâ€Earth model: Challenges and first results. Space Weather, 2007, 5, .	1.3	18

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37	The Polarization of Micropulsations and Geo-electric Structure. Geophysical Journal International, 1974, 38, 95-117.	1.0	15
38	Pulsation research during the IMS. Reviews of Geophysics, 1982, 20, 641-652.	9.0	12
39	Quasi-periodic ionospheric disturbances with a 40-min period during prolonged northward interplanetary magnetic field. Geophysical Research Letters, 2000, 27, 1795-1798.	1.5	12
40	Multisatellite Observations of Geomagnetic Pulsations. Journal of Geomagnetism and Geoelectricity, 1980, 32, SII41-SII55.	0.8	12
41	Longâ€period magnetosphericâ€ionospheric perturbations during northward interplanetary magnetic field. Journal of Geophysical Research, 2001, 106, 13091-13103.	3.3	11
42	Modeling magnetospheric response to synthetic AlfvÃ©nic fluctuations in the solar wind: ULF wave fields in the magnetosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 8801-8812.	0.8	11
43	Growth and evolution of a plasmoid associated with a small, isolated substorm: IMP 8 and GEOTAIL measurements in the magnetotail. Geophysical Research Letters, 1995, 22, 3011-3014.	1.5	9
44	Multistation studies of the simultaneous occurrence rate of Pc 3 micropulsations and magnetic impulsive events. Journal of Geophysical Research, 2003, 108, .	3.3	9
45	Simultaneous Occurrence of Pc 5 and Pc 1 Pulsations in the Dawnside Magnetosphere: CRRES Observations. Geophysical Monograph Series, 2013, , 417-424.	0.1	8
46	Modeling the effects of ionospheric oxygen outflow on bursty magnetotail flows. Journal of Geophysical Research: Space Physics, 2015, 120, 8723-8737.	0.8	8
47	Effects of the equatorward auroral boundary location and solar wind parameters on Pc5 activity at auroral zone stations: A multiple regression analysis. Journal of Geophysical Research, 2006, 111, .	3.3	6
48	Anisotropy Reversals in the Distant Magnetotail and Their Association with Magnetospheric Substorms. Journal of Geomagnetism and Geoelectricity, 1996, 48, 629-648.	0.8	6
49	A 2Â½-dimensional magnetic field model of plasmoids. Geophysical Monograph Series, 1990, , 663-668.	0.1	5
50	High-latitude ionospheric convection during strong interplanetary magnetic fieldBy. Geophysical Research Letters, 1999, 26, 405-408.	1.5	3
51	Space Physics for Graduate Students: An Activitiesâ€Based Approach. Eos, 2009, 90, 13-14.	0.1	2
52	A novel metric for coronal MHD models. Journal of Geophysical Research, 2009, 114, .	3.3	2
53	Multisatellite Observations of Geomagnetic Pulsations. , 1981, , 41-55.		1
54	Electric and Magnetic Field Fluctuations at High Latitudes in the Dayside Ionosphere During Southward IMF. Geophysical Monograph Series, 0, , 387-397.	0.1	0