

P L Dyson

List of Publications by Year in descending order

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44
papers

1,565
citations

516710

16
h-index

289244

40
g-index

44
all docs

44
docs citations

44
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	A decade of the Super Dual Auroral Radar Network (SuperDARN): scientific achievements, new techniques and future directions. <i>Surveys in Geophysics</i> , 2007, 28, 33-109.	4.6	554
2	In situ measurements of the spectral characteristics of F region ionospheric irregularities. <i>Journal of Geophysical Research</i> , 1974, 79, 1497-1502.	3.3	275
3	Direct measurements of the size and amplitude of irregularities in the topside ionosphere. <i>Journal of Geophysical Research</i> , 1969, 74, 6291-6303.	3.3	107
4	Top side ionospheric spread F and particle precipitation in the day side magnetospheric clefts. <i>Journal of Geophysical Research</i> , 1974, 79, 5219-5230.	3.3	92
5	On the coupling between the Harang reversal evolution and substorm dynamics: A synthesis of SuperDARN, DMSP, and IMAGE observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	64
6	Southern Hemisphere ionosphere and plasmasphere response to the interplanetary shock event of 29-31 October 2003. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	42
7	In situ measurements of neutral and electron density wave structure from the Explorer 32 satellite. <i>Journal of Geophysical Research</i> , 1970, 75, 3200-3210.	3.3	41
8	On the lifetime and extent of an auroral westward flow channel (AWFC) observed during a magnetospheric substorm. <i>Annales Geophysicae</i> , 2003, 21, 893-913.	1.6	28
9	Dual HF radar study of the subauroral polarization stream. <i>Annales Geophysicae</i> , 2007, 25, 2579-2591.	1.6	25
10	Ionospheric and magnetic observations at 1000 kilometers during the geomagnetic storm and aurora of May 25-26, 1967. <i>Journal of Geophysical Research</i> , 1969, 74, 3705-3712.	3.3	20
11	On the relation between phase path, group path and attenuation in a cold absorbing plasma. <i>Journal of Plasma Physics</i> , 1978, 19, 325-348.	2.1	20
12	Some methods of solving for the coefficients of dyadic Green's functions in isotropic stratified media. <i>International Journal of Electronics</i> , 1991, 70, 803-814.	1.4	19
13	HF radar backscatter inversion technique. <i>Radio Science</i> , 2006, 41, n/a-n/a.	1.6	19
14	Ionospheric convection at Casey, a southern polar cap station. <i>Journal of Geophysical Research</i> , 1998, 103, 2209-2218.	3.3	18
15	Towards a synthesis of substorm electrodynamics: HF radar and auroral observations. <i>Annales Geophysicae</i> , 2006, 24, 3365-3381.	1.6	17
16	First E region observations of mesoscale neutral wind interaction with auroral arcs. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	17
17	Digital ionosonde measurements of the height variation of drift velocity in the southern polar cap ionosphere: Initial results. <i>Journal of Geophysical Research</i> , 1997, 102, 24075-24090.	3.3	14
18	Analysis of direction-of-arrival aliasing for MF/HF Doppler-sorted interferometry measurements of ionospheric drift. <i>Radio Science</i> , 1997, 32, 999-1009.	1.6	13

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19	First tomographic image of ionospheric outflows. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	13
20	Aspect angle dependence of the <i>E</i> region irregularity velocity at large flow angles. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
21	Signatures of the ionospheric cusp in digital ionosonde measurements of plasma drift above Casey, Antarctica. <i>Journal of Geophysical Research</i> , 1999, 104, 22487-22498.	3.3	11
22	Signatures of the midnight open-closed magnetic field line boundary during balanced dayside and nightside reconnection. <i>Annales Geophysicae</i> , 2002, 20, 1617-1630.	1.6	11
23	Topside spread <i>F</i> at midlatitudes. <i>Journal of Geophysical Research</i> , 1968, 73, 2441-2446.	3.3	10
24	Application of the Dopplionogram to Doppler-sorted interferometry measurements of ionospheric drift velocity. <i>Radio Science</i> , 1999, 34, 899-912.	1.6	10
25	A study of aspect angle effects in the <i>E</i> -region irregularity velocity using multi-point electric field measurements. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	10
26	Neutral atmospheric waves determined from Atmospheric Explorer measurements. <i>Geophysical Research Letters</i> , 1979, 6, 187-190.	4.0	9
27	The effect of large-scale ionospheric gradients on backscatter ionograms. <i>Radio Science</i> , 1997, 32, 1881-1897.	1.6	9
28	A Ray-Tracing Technique for Determining Ray Tubes in Anisotropic Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 2664-2675.	5.1	9
29	Seasonal and magnetic activity variations of ionospheric electric fields above the southern mid-latitude station, Bundoora, Australia. <i>Annales Geophysicae</i> , 2001, 19, 521-532.	1.6	9
30	Small-amplitude, short-period waves in the <i>E</i> and <i>F</i> regions of the ionosphere. <i>Nature</i> , 1977, 268, 319-320.	27.8	8
31	Are polar cap gravity waves a heat source for the high-latitude thermosphere?. <i>Geophysical Research Letters</i> , 1998, 25, 1487-1490.	4.0	8
32	Thermospheric gravity waves in the southern polar cap from 5 years of photometric observations at Davis, Antarctica. <i>Journal of Geophysical Research</i> , 2001, 106, 15489-15499.	3.3	8
33	Some ionospheric properties at 1000 kilometers altitude within and near the auroral zone. <i>Journal of Geophysical Research</i> , 1970, 75, 1893-1901.	3.3	7
34	A first comparison of irregularity and ion drift velocity measurements in the <i>E</i> -region. <i>Annales Geophysicae</i> , 2006, 24, 2375-2389.	1.6	7
35	First observations of simultaneous interhemispheric conjugate high-latitude thermospheric winds. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	7
36	On the significance of electrostatic probe observations of electron density irregularities. <i>Journal of Geophysical Research</i> , 1971, 76, 4689-4690.	3.3	6

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37	Arrival of Ionospheric Troughs and Oblique Spread-F in the Wake of Large-Scale Travelling Ionospheric Disturbances During the Intense Auroral Storms of August 22 and 23, 1990.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 1381-1405.	0.9	5
38	On the temporal evolution of midlatitude <i>F</i> region disturbance drifts. Journal of Geophysical Research, 2010, 115, .	3.3	4
39	An improved method of synthesizing ground backscatter ionograms for spherical ionospheres. Radio Science, 1998, 33, 1173-1185.	1.6	3
40	Comment on explaining the mirage. American Journal of Physics, 1977, 45, 879-880.	0.7	1
41	Interpretation of short-period oscillations in ionospheric group heights (reply). Nature, 1978, 274, 511-512.	27.8	1
42	An improved signal-to-noise ratio of a cool imaging photon detector for Fabry - Perot interferometer measurements of low-intensity air glow. Measurement Science and Technology, 1997, 8, 456-458.	2.6	1
43	Illustrating the role of principal planes in an optical system. American Journal of Physics, 1979, 47, 740-740.	0.7	0
44	Comment on Paper: "Trends of Airglow Imager Observations Near Adelaide, Australia" by J. H. Hecht, R. E. Walterscheid, J. Woithe, L. Campbell, R. A. Vincent, and I. M. Reid. Geophysical Research Letters, 1998, 25, 21-22.	4.0	0