

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 Ray-Tracing Technique for Determining Ray Tubes in Anisotropic Media. IEEE Transactions on Antennas and Propagation, 2013, 61, 2664-2675. | 5.1 | 9 |
| 2 | First <i>E</i> region observations of mesoscale neutral wind interaction with auroral arcs. Journal of Geophysical Research, 2010, 115, . | 3.3 | 17 |
| 3 | First observations of simultaneous interhemispheric conjugate high-latitude thermospheric winds. Journal of Geophysical Research, 2010, 115, . | 3.3 | 7 |
| 4 | On the temporal evolution of midlatitude <i>F</i> region disturbance drifts. Journal of Geophysical Research, 2010, 115, . | 3.3 | 4 |
| 5 | On the coupling between the Harang reversal evolution and substorm dynamics: A synthesis of SuperDARN, DMSP, and IMAGE observations. Journal of Geophysical Research, 2009, 114, . | 3.3 | 64 |
| 6 | Aspect angle dependence of the <i>E</i> region irregularity velocity at large flow angles. Journal of Geophysical Research, 2007, 112, . | 3.3 | 13 |
| 7 | Dual HF radar study of the subauroral polarization stream. Annales Geophysicae, 2007, 25, 2579-2591. | 1.6 | 25 |
| 8 | A decade of the Super Dual Auroral Radar Network (SuperDARN): scientific achievements, new techniques and future directions. Surveys in Geophysics, 2007, 28, 33-109. | 4.6 | 554 |
| 9 | HF radar backscatter inversion technique. Radio Science, 2006, 41, n/a-n/a. | 1.6 | 19 |
| 10 | A first comparison of irregularity and ion drift velocity measurements in the E-region. Annales Geophysicae, 2006, 24, 2375-2389. | 1.6 | 7 |
| 11 | Towards a synthesis of substorm electrodynamics: HF radar and auroral observations. Annales Geophysicae, 2006, 24, 3365-3381. | 1.6 | 17 |
| 12 | A study of aspect angle effects in the E-region irregularity velocity using multi-point electric field measurements. Geophysical Research Letters, 2006, 33, . | 4.0 | 10 |
| 13 | First tomographic image of ionospheric outflows. Geophysical Research Letters, 2006, 33, . | 4.0 | 13 |
| 14 | Southern Hemisphere ionosphere and plasmasphere response to the interplanetary shock event of 29-31 October 2003. Journal of Geophysical Research, 2005, 110, . | 3.3 | 42 |
| 15 | On the lifetime and extent of an auroral westward flow channel (AWFC) observed during a magnetospheric substorm. Annales Geophysicae, 2003, 21, 893-913. | 1.6 | 28 |
| 16 | Signatures of the midnight open-closed magnetic field line boundary during balanced dayside and nightside reconnection. Annales Geophysicae, 2002, 20, 1617-1630. | 1.6 | 11 |
| 17 | Thermospheric gravity waves in the southern polar cap from 5 years of photometric observations at Davis, Antarctica. Journal of Geophysical Research, 2001, 106, 15489-15499. | 3.3 | 8 |
| 18 | Seasonal and magnetic activity variations of ionospheric electric fields above the southern mid-latitude station, Bundoora, Australia. Annales Geophysicae, 2001, 19, 521-532. | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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 |
| 20 | Application of the Dopplionogram to Doppler-sorted interferometry measurements of ionospheric drift velocity. <i>Radio Science</i> , 1999, 34, 899-912. | 1.6 | 10 |
| 21 | 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. <i>Geophysical Research Letters</i> , 1998, 25, 21-22. | 4.0 | 0 |
| 22 | 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 |
| 23 | An improved method of synthesizing ground backscatter ionograms for spherical ionospheres. <i>Radio Science</i> , 1998, 33, 1173-1185. | 1.6 | 3 |
| 24 | Ionospheric convection at Casey, a southern polar cap station. <i>Journal of Geophysical Research</i> , 1998, 103, 2209-2218. | 3.3 | 18 |
| 25 | An improved signal-to-noise ratio of a cool imaging photon detector for Fabry - Perot interferometer measurements of low-intensity air glow. <i>Measurement Science and Technology</i> , 1997, 8, 456-458. | 2.6 | 1 |
| 26 | 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 |
| 27 | 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 |
| 28 | The effect of large-scale ionospheric gradients on backscatter ionograms. <i>Radio Science</i> , 1997, 32, 1881-1897. | 1.6 | 9 |
| 29 | 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.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 1381-1405. | 0.9 | 5 |
| 30 | 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 |
| 31 | Illustrating the role of principal planes in an optical system. <i>American Journal of Physics</i> , 1979, 47, 740-740. | 0.7 | 0 |
| 32 | Neutral atmospheric waves determined from Atmospheric Explorer measurements. <i>Geophysical Research Letters</i> , 1979, 6, 187-190. | 4.0 | 9 |
| 33 | Interpretation of short-period oscillations in ionospheric group heights (reply). <i>Nature</i> , 1978, 274, 511-512. | 27.8 | 1 |
| 34 | 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 |
| 35 | Comment on explaining the mirage. <i>American Journal of Physics</i> , 1977, 45, 879-880. | 0.7 | 1 |
| 36 | Small-amplitude, short-period waves in the E and F regions of the ionosphere. <i>Nature</i> , 1977, 268, 319-320. | 27.8 | 8 |

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|----|--|-----|-----------|
| 37 | In situ measurements of the spectral characteristics of <i>F</i> -region ionospheric irregularities. Journal of Geophysical Research, 1974, 79, 1497-1502. | 3.3 | 275 |
| 38 | Top side ionospheric spread <i>F</i> and particle precipitation in the day side magnetospheric clefts. Journal of Geophysical Research, 1974, 79, 5219-5230. | 3.3 | 92 |
| 39 | On the significance of electrostatic probe observations of electron density irregularities. Journal of Geophysical Research, 1971, 76, 4689-4690. | 3.3 | 6 |
| 40 | Some ionospheric properties at 1000 kilometers altitude within and near the auroral zone. Journal of Geophysical Research, 1970, 75, 1893-1901. | 3.3 | 7 |
| 41 | In situ measurements of neutral and electron density wave structure from the Explorer 32 satellite. Journal of Geophysical Research, 1970, 75, 3200-3210. | 3.3 | 41 |
| 42 | Ionospheric and magnetic observations at 1000 kilometers during the geomagnetic storm and aurora of May 25-26, 1967. Journal of Geophysical Research, 1969, 74, 3705-3712. | 3.3 | 20 |
| 43 | Direct measurements of the size and amplitude of irregularities in the topside ionosphere. Journal of Geophysical Research, 1969, 74, 6291-6303. | 3.3 | 107 |
| 44 | Topside spread <i>F</i> at midlatitudes. Journal of Geophysical Research, 1968, 73, 2441-2446. | 3.3 | 10 |