Neil R Thomson

List of Publications by Year
in descending order

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47 papers	1,910 citations	236925 25 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	1203 citing authors

#	Article	IF	Citations
1	VLF phase and amplitude: daytime ionospheric parameters. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 609-618.	1.6	133
2	Large solar flares and their ionosphericDregion enhancements. Journal of Geophysical Research, 2005, 110, .	3.3	131
3	Solar flare induced ionospheric D-region enhancements from VLF phase and amplitude observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 77-87.	1.6	123
4	Solar flare induced ionospheric D-region enhancements from VLF amplitude observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 1729-1737.	1.6	106
5	Ionosphere gives size of greatest solar flare. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	104
6	Remote sensing space weather events: Antarctica€Arctic Radiationa€belt (Dynamic) Depositiona€VLF Atmospheric Research Konsortium network. Space Weather, 2009, 7, .	3.7	102
7	Observations of relativistic electron precipitation from the radiation belts driven by EMIC waves. Geophysical Research Letters, 2008, 35, .	4.0	93
8	Nighttime ionospheric D region parameters from VLF phase and amplitude. Journal of Geophysical Research, 2007, 112, .	3.3	87
9	Radiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic storm. Journal of Geophysical Research, 2007, 112, .	3.3	75
10	Radiation belt electron precipitation by mana€made VLF transmissions. Journal of Geophysical Research, 2008, 113, .	3.3	73
11	World-wide lightning location using VLF propagation in the Earth-ionosphere waveguide. IEEE Antennas and Propagation Magazine, 2008, 50, 40-60.	1.4	65
12	Groundа€based transmitter signals observed from space: Ducted or nonducted?. Journal of Geophysical Research, 2008, 113, .	3.3	60
13	Groundа€based estimates of outer radiation belt energetic electron precipitation fluxes into the atmosphere. Journal of Geophysical Research, 2010, 115, .	3.3	50
14	Longа€Lasting Geomagnetically Induced Currents and Harmonic Distortion Observed in New Zealand During the 7â€“8 September 2017 Disturbed Period. Space Weather, 2018, 16, 704-717.	3.7	48
15	Daytime midlatitudeDregion parameters at solar minimum from short-path VLF phase and amplitude. Journal of Geophysical Research, 2011, 116, .	3.3	45
16	Longа€term geomagnetically induced current observations in New Zealand: Earth return corrections and geomagnetic field driver. Space Weather, 2017, 15, 1020-1038.	3.7	43
17	Modeling a large solar proton event in the southern polar atmosphere. Journal of Geophysical Research, 2005, 110, .	3.3	41
18	Nighttime ionospheric D region: Equatorial and nonequatorial. Journal of Geophysical Research, 2009, 114, .	3.3	41

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19	Ionospheric evidence of thermosphere-to-stratosphere descent of polar NOX. Geophysical Research Letters, 2006, 33, .	4.0	39
20	Energetic electron precipitation during substorm injection events: Highâ€latitude fluxes and an unexpected midlatitude signature. Journal of Geophysical Research, 2008, 113, .	3.3	39
21	Daytime tropical D region parameters from short path VLF phase and amplitude. Journal of Geophysical Research, 2010, 115, .	3.3	37
22	Ray-tracing the paths of very low latitude whistler-mode signals. Journal of Atmospheric and Solar-Terrestrial Physics, 1987, 49, 321-338.	0.9	33
23	Modeling polar ionospheric effects during the October-November 2003 solar proton events. Radio Science, 2006, 41, n/a-n/a.	1.6	32
24	Radiation belt electron precipitation due to geomagnetic storms: Significance to middle atmosphere ozone chemistry. Journal of Geophysical Research, 2010, 115, .	3.3	31
25	Longâ€term determination of energetic electron precipitation into the atmosphere from AARDDVARK subionospheric VLF observations. Journal of Geophysical Research: Space Physics, 2015, 120, 2194-2211.	2.4	29
26	Temporal variability of the descent of highâ€altitude NO_X inferred from ionospheric data. Journal of Geophysical Research, 2007, 112, .	3.3	26
27	Lowâ€latitude ionospheric D region dependence on solar zenith angle. Journal of Geophysical Research: Space Physics, 2014, 119, 6865-6875.	2.4	24
28	Rapid Radiation Belt Losses Occurring During High-Speed Solar Wind Stream-Driven Storms: Importance of Energetic Electron Precipitation. Geophysical Monograph Series, 2013, , 213-224.	0.1	21
29	Midlatitude ionospheric D region: Height, sharpness, and solar zenith angle. Journal of Geophysical Research: Space Physics, 2017, 122, 8933-8946.	2.4	19
30	Geomagnetically Induced Currents and Harmonic Distortion: Stormâ€Time Observations From New Zealand. Space Weather, 2020, 18, e2019SW002387.	3.7	19
31	Reflection of VLF radio waves from distant mountain ranges. Journal of Atmospheric and Solar-Terrestrial Physics, 1985, 47, 353-362.	0.9	16
32	Reconsidering the effectiveness of quasi-static thunderstorm electric fields for whistler duct formation. Journal of Geophysical Research, 2002, 107, SIA 16-1.	3.3	16
33	DaytimeDregion parameters from long-path VLF phase and amplitude. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
34	Combined THEMIS and groundâ€based observations of a pair of substormâ€associated electron precipitation events. Journal of Geophysical Research, 2012, 117, .	3.3	13
35	Geomagnetically Induced Currents and Harmonic Distortion: High Time Resolution Case Studies. Space Weather, 2020, 18, e2020SW002594.	3.7	13
36	Experimental observations of very low latitude man-made whistler-mode signals. Journal of Atmospheric and Solar-Terrestrial Physics, 1987, 49, 309-319.	0.9	12

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37	Automatic whistler detection: Operational results from New Zealand. Radio Science, 2009, 44, .	1.6	12
38	Developing a Nowcasting Capability for Xâ€Class Solar Flares Using VLF Radiowave Propagation Changes.. Space Weather, 2019, 17, 1783-1799.	3.7	12
39	Re-radiation of VLF radio waves from mountain ranges. Journal of Atmospheric and Solar-Terrestrial Physics, 1989, 51, 339-349.	0.9	7
40	Quiet Daytime Arctic IonosphericDRegion. Journal of Geophysical Research: Space Physics, 2018, 123, 9726-9742.	2.4	6
41	Solar flare Xâ€ray impacts on long subionospheric VLF paths. Space Weather, 2021, 19, e2021SW002820.	3.7	6
42	Tropical daytime lower Dâ€region dependence on sunspot number. Journal of Geophysical Research, 2012, 117, .	3.3	5
43	Quiet Night Arctic Ionospheric D Region Characteristics. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029043.	2.4	4
44	The Effect of Ozone Shadowing on the D Region Ionosphere During Sunrise. Journal of Geophysical Research: Space Physics, 2019, 124, 3729-3742.	2.4	3
45	Correction to â€œRadiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic stormâ€. Journal of Geophysical Research, 2010, 115, .	3.3	1
46	Satellite and ground-based observations of a large-scale electron precipitation event. , 2011, , .		0
47	Very Low Latitude Whistlerâ€Mode Signals: Observations at Three Widely Spaced Latitudes. Journal of Geophysical Research: Space Physics, 2019, 124, 9253-9269.	2.4	0