Mark A Clilverd

List of Publications by Year
in descending order

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178	6,541	57758	88630
papers	citations	44 h-index	70 g-index

179	179	179	3417
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Examination of Radiation Belt Dynamics During Substorm Clusters: Activity Drivers and Dependencies of Trapped Flux Enhancements. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	7
2	Geomagnetically Induced Current Model in New Zealand Across Multiple Disturbances: Validation and Extension to Nonâ€Monitored Transformers. Space Weather, 2022, 20, .	3.7	11
3	Role of hard X-ray emission in ionospheric D-layer disturbances during solar flares. Earth, Planets and Space, 2022, 74, .	2.5	3
4	HEPPA III Intercomparison Experiment on Electron Precipitation Impacts: 1. Estimated Ionization Rates During a Geomagnetic Active Period in April 2010. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	16
5	Exceptional middle latitude electron precipitation detected by balloon observations: implications for atmospheric composition. Atmospheric Chemistry and Physics, 2022, 22, 6703-6716.	4.9	7
6	The Correspondence Between Sudden Commencements and Geomagnetically Induced Currents: Insights From New Zealand. Space Weather, 2022, 20, .	3.7	3
7	Geomagnetically induced currents during the 07â€“08 September 2017 disturbed period: a global perspective. Journal of Space Weather and Space Climate, 2021, 11, 33.	3.3	11
8	Lower-thermosphereâ€“ionosphere (LTI) quantities: current status of measuring techniques and models. Annales Geophysicae, 2021, 39, 189-237.	1.6	25
9	Impact of EMICâ€Wave Driven Electron Precipitation on the Radiation Belts and the Atmosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028671.	2.4	4
10	Comparing Electron Precipitation Fluxes Calculated From Pitch Angle Diffusion Coefficients to LEO Satellite Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028410.	2.4	17
11	Quiet Night Arctic Ionospheric D Region Characteristics. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029043.	2.4	4
12	Evidence of Subâ€MeV EMICâ€Driven Trapped Electron Flux Dropouts From GPS Observations. Geophysical Research Letters, 2021, 48, e2021GL092664.	4.0	5
13	Springâ€Fall Asymmetry in VLF Amplitudes Recorded in the North Atlantic Region: The Fallâ€Effect. Geophysical Research Letters, 2021, 48, e2021GL094581.	4.0	3
14	Impacts of UV Irradiance and Medium-Energy Electron Precipitation on the North Atlantic Oscillation during the 11-Year Solar Cycle. Atmosphere, 2021, 12, 1029.	2.3	3
15	Crossâ€Coherence of the Outer Radiation Belt During Storms and the Role of the Plasmapause. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029308.	2.4	5
16	Solar flare Xâ€ray impacts on long subionospheric VLF paths. Space Weather, 2021, 19, e2021SW002820.	3.7	6
17	Ground-based very-low-frequency radio wave observations of energetic particle precipitation. , 2020, , 257-277.		1
18	Geomagnetically Induced Currents and Harmonic Distortion: High Time Resolution Case Studies. Space Weather, 2020, 18, e2020SW002594.	3.7	13

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19	Geomagnetically Induced Currents and Harmonic Distortion: Stormâ€Time Observations From New Zealand. Space Weather, 2020, 18, e2019SW002387.	3.7	19
20	Electron Precipitation From the Outer Radiation Belt During the St. Patrick's Day Storm 2015: Observations, Modeling, and Validation. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027725.	2.4	9
21	Spatial Distributions of Nitric Oxide in the Antarctic Wintertime Middle Atmosphere During Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027846.	2.4	3
22	A Multiâ€Instrument Approach to Determining the Sourceâ€Region Extent of EEPâ€Driving EMIC Waves. Geophysical Research Letters, 2020, 47, e2019GL086599.	4.0	10
23	Daedalus: a low-flying spacecraft for in situ exploration of the lower thermosphereâ€“ionosphere. Geoscientific Instrumentation, Methods and Data Systems, 2020, 9, 153-191.	1.6	25
24	Magnetic Local Timeâ€Resolved Examination of Radiation Belt Dynamics during Highâ€Speed Solar Wind Speedâ€Triggered Substorm Clusters. Geophysical Research Letters, 2019, 46, 10219-10229.	4.0	9
25	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
26	What Fraction of the Outer Radiation Belt Relativistic Electron Flux at L â‰ˆ 3â€4.5 Was Lost to the Atmosphere During the Dropout Event of the St. Patrick's Day Storm of 2015?. Journal of Geophysical Research: Space Physics, 2019, 124, 9537-9551.	2.4	4
27	Characteristics of Relativistic Microburst Intensity From SAMPEX Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 5627-5640.	2.4	20
28	Dâ€Region Highâ€Latitude Forcing Factors. Journal of Geophysical Research: Space Physics, 2019, 124, 765-781.	2.4	7
29	Effects of VLF Transmitter Waves on the Inner Belt and Slot Region. Journal of Geophysical Research: Space Physics, 2019, 124, 5260-5277.	2.4	33
30	An Investigation of VLF Transmitter Wave Power in the Inner Radiation Belt and Slot Region. Journal of Geophysical Research: Space Physics, 2019, 124, 5246-5259.	2.4	40
31	The Source Regions of Whistlers. Journal of Geophysical Research: Space Physics, 2019, 124, 5082-5096.	2.4	7
32	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
33	Groundâ€Based Observations of VLF Waves as a Proxy for Satellite Observations: Development of Models Including the Influence of Solar Illumination and Geomagnetic Disturbance Levels. Journal of Geophysical Research: Space Physics, 2019, 124, 2682-2696.	2.4	5
34	Simulation study for ground-based Ku-band microwave observations of ozone and hydroxyl in the polar middle atmosphere. Atmospheric Measurement Techniques, 2019, 12, 1375-1392.	3.1	4
35	Demonstrating the Use of a Class of Minâ€Max Smoothers for D Region Event Detection in Narrow Band VLF Phase. Radio Science, 2019, 54, 233-244.	1.6	7
36	Comparison of Multiple and Logistic Regression Analyses of Relativistic Electron Flux Enhancement at Geosynchronous Orbit Following Storms. Journal of Geophysical Research: Space Physics, 2019, 124, 10246-10256.	2.4	4

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37	Developing a Nowcasting Capability for Xâ€Class Solar Flares Using VLF Radiowave Propagation Changes.. Space Weather, 2019, 17, 1783-1799.	3.7	12
38	Comparison of Relativistic Microburst Activity Seen by SAMPEX With Groundâ€Based Wave Measurements at Halley, Antarctica. Journal of Geophysical Research: Space Physics, 2018, 123, 1279-1294.	2.4	15
39	Northern Hemisphere Stratospheric Ozone Depletion Caused by Solar Proton Events: The Role of the Polar Vortex. Geophysical Research Letters, 2018, 45, 2115-2124.	4.0	13
40	Polar Ozone Response to Energetic Particle Precipitation Over Decadal Time Scales: The Role of Mediumâ€Energy Electrons. Journal of Geophysical Research D: Atmospheres, 2018, 123, 607-622.	3.3	38
41	The Role of Localized Compressional Ultraâ€low Frequency Waves in Energetic Electron Precipitation. Journal of Geophysical Research: Space Physics, 2018, 123, 1900-1914.	2.4	36
42	Mesospheric Nitric Acid Enhancements During Energetic Electron Precipitation Events Simulated by WACCMâ€D. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6984-6998.	3.3	12
43	An Updated Model Providing Longâ€Term Data Sets of Energetic Electron Precipitation, Including Zonal Dependence. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9891-9915.	3.3	37
44	Quiet Daytime Arctic IonosphericDRegion. Journal of Geophysical Research: Space Physics, 2018, 123, 9726-9742.	2.4	6
45	A Distributed Lag Autoregressive Model of Geostationary Relativistic Electron Fluxes: Comparing the Influences of Waves, Seed and Source Electrons, and Solar Wind Inputs. Journal of Geophysical Research: Space Physics, 2018, 123, 3646-3671.	2.4	20
46	Observations and Modeling of Increased Nitric Oxide in the Antarctic Polar Middle Atmosphere Associated With Geomagnetic Stormâ€Driven Energetic Electron Precipitation. Journal of Geophysical Research: Space Physics, 2018, 123, 6009-6025.	2.4	22
47	Nonlinear and Synergistic Effects of ULF Pc5, VLF Chorus, and EMIC Waves on Relativistic Electron Flux at Geosynchronous Orbit. Journal of Geophysical Research: Space Physics, 2018, 123, 4755-4766.	2.4	21
48	Relativistic Electron Microburst Events: Modeling the Atmospheric Impact. Geophysical Research Letters, 2018, 45, 1141-1147.	4.0	23
49	Longâ€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
50	Investigating energetic electron precipitation through combining groundâ€based and balloon observations. Journal of Geophysical Research: Space Physics, 2017, 122, 534-546.	2.4	31
51	Evidence of subâ€MeV EMICâ€driven electron precipitation. Geophysical Research Letters, 2017, 44, 1210-1218.	4.0	66
52	Energetic electron precipitation and auroral morphology at the substorm recovery phase. Journal of Geophysical Research: Space Physics, 2017, 122, 6508-6527.	2.4	20
53	Longâ€Term Geomagnetically Induced Current Observations From New Zealand: Peak Current Estimates for Extreme Geomagnetic Storms. Space Weather, 2017, 15, 1447-1460.	3.7	44
54	Longâ€term geomagnetically induced current observations in New Zealand: Earth return corrections and geomagnetic field driver. Space Weather, 2017, 15, 1020-1038.	3.7	43

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55	Occurrence characteristics of relativistic electron microbursts from SAMPEX observations. Journal of Geophysical Research: Space Physics, 2017, 122, 8096-8107.	2.4	37
56	Midlatitude ionospheric D region: Height, sharpness, and solar zenith angle. Journal of Geophysical Research: Space Physics, 2017, 122, 8933-8946.	2.4	19
57	Long-term climate change in the D-region. Scientific Reports, 2017, 7, 16683.	3.3	8
58	Solar forcing for CMIP6 (v3.2). Geoscientific Model Development, 2017, 10, 2247-2302.	3.6	293
59	<i>D</i>-region ionâ€“neutral coupled chemistry (SodankylÃ Ion Chemistry,) Tj ETQq1 1 0.784314 rgB WACCM-rSIC. Geoscientific Model Development, 2016, 9, 3123-3136.	3.6	16
60	A model providing longâ€term data sets of energetic electron precipitation during geomagnetic storms. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,520.	3.3	63
61	Nature's Grand Experiment: Linkage between magnetospheric convection and the radiation belts. Journal of Geophysical Research: Space Physics, 2016, 121, 171-189.	2.4	42
62	Confirmation of EMIC waveâ€driven relativistic electron precipitation. Journal of Geophysical Research: Space Physics, 2016, 121, 5366-5383.	2.4	43
63	Empirical predictive models of daily relativistic electron flux at geostationary orbit: Multiple regression analysis. Journal of Geophysical Research: Space Physics, 2016, 121, 3181-3197.	2.4	34
64	Linkages Between the Radiation Belts, Polar Atmosphere and Climate: Electron Precipitation Through Wave Particle Interactions. , 2016, , 354-376.		9
65	Substormâ€induced energetic electron precipitation: Impact on atmospheric chemistry. Geophysical Research Letters, 2015, 42, 8172-8176.	4.0	51
66	Highâ€resolution in situ observations of electron precipitationâ€causing EMIC waves. Geophysical Research Letters, 2015, 42, 9633-9641.	4.0	59
67	A case study of electron precipitation fluxes due to plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2015, 120, 6736-6748.	2.4	13
68	Observations of coincident EMIC wave activity and duskside energetic electron precipitation on 18â€“19 January 2013. Geophysical Research Letters, 2015, 42, 5727-5735.	4.0	102
69	Electron precipitation from EMIC waves: A case study from 31 May 2013. Journal of Geophysical Research: Space Physics, 2015, 120, 3618-3631.	2.4	65
70	Analysis of the effectiveness of groundâ€based VLF wave observations for predicting or nowcasting relativistic electron flux at geostationary orbit. Journal of Geophysical Research: Space Physics, 2015, 120, 2052-2060.	2.4	12
71	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
72	Substormâ€induced energetic electron precipitation: Morphology and prediction. Journal of Geophysical Research: Space Physics, 2015, 120, 2993-3008.	2.4	34

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73	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. Journal of Geophysical Research: Space Physics, 2015, 120, 2754-2766.	2.4	133
74	Techniques to determine the quiet day curve for a long period of subionospheric VLF observations. Radio Science, 2015, 50, 453-468.	1.6	9
75	First optical observations of energetic electron precipitation at 4278 Ã... caused by a powerful VLF transmitter. Geophysical Research Letters, 2014, 41, 2237-2242.	4.0	2
76	Energetic particle forcing of the Northern Hemisphere winter stratosphere: comparison to solar irradiance forcing. Frontiers in Physics, 2014, 2, .	2.1	27
77	Detecting space weather events with subionospheric VLF observations: Producing quiet day curves from AARDDVARK data. , 2014, , .		1
78	Missing driver in the Sunâ€“Earth connection from energetic electron precipitation impacts mesospheric ozone. Nature Communications, 2014, 5, 5197.	12.8	148
79	Prediction of relativistic electron flux at geostationary orbit following storms: Multiple regression analysis. Journal of Geophysical Research: Space Physics, 2014, 119, 7297-7318.	2.4	35
80	Lowâ€latitude ionospheric D region dependence on solar zenith angle. Journal of Geophysical Research: Space Physics, 2014, 119, 6865-6875.	2.4	24
81	A statistical approach to determining energetic outer radiation belt electron precipitation fluxes. Journal of Geophysical Research: Space Physics, 2014, 119, 3961-3978.	2.4	11
82	The effects and correction of the geometric factor for the POES/MEPED electron flux instrument using a multisatellite comparison. Journal of Geophysical Research: Space Physics, 2014, 119, 6386-6404.	2.4	17
83	Characteristics of precipitating energetic electron fluxes relative to the plasmapause during geomagnetic storms. Journal of Geophysical Research: Space Physics, 2014, 119, 8784-8800.	2.4	16
84	Longitudinal hotspots in the mesospheric OH variations due to energetic electron precipitation. Atmospheric Chemistry and Physics, 2014, 14, 1095-1105.	4.9	40
85	Long term determination of variations in energetic electron precipitation into the atmosphere using AARDDVARK. , 2014, , .		0
86	Geomagnetic activity signatures in wintertime stratosphere wind, temperature, and wave response. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2169-2183.	3.3	95
87	Lower ionosphere monitoring by the South America VLF Network (SAVNET): C region occurrence and atmospheric temperature variability. Journal of Geophysical Research: Space Physics, 2013, 118, 6686-6693.	2.4	6
88	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
89	The Balloon Array for RBSP Relativistic Electron Losses (BARREL). Space Science Reviews, 2013, 179, 503-530.	8.1	76
90	POES satellite observations of EMICâ€wave driven relativistic electron precipitation during 1998â€“2010. Journal of Geophysical Research: Space Physics, 2013, 118, 232-243.	2.4	87

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91	A reexamination of latitudinal limits of substormâ€produced energetic electron precipitation. Journal of Geophysical Research: Space Physics, 2013, 118, 6694-6705.	2.4	28
92	Energetic electron precipitation characteristics observed from Antarctica during a flux dropout event. Journal of Geophysical Research: Space Physics, 2013, 118, 6921-6935.	2.4	9
93	The plasmasphere during a space weather event: first results from the PLASMON project. Journal of Space Weather and Space Climate, 2013, 3, A23.	3.3	50
94	Determining the spectra of radiation belt electron losses: Fitting DEMETER electron flux observations for typical and storm times. Journal of Geophysical Research: Space Physics, 2013, 118, 7611-7623.	2.4	41
95	Observations of nitric oxide in the Antarctic middle atmosphere during recurrent geomagnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 7874-7885.	2.4	9
96	Comparison between POES energetic electron precipitation observations and riometer absorptions: Implications for determining true precipitation fluxes. Journal of Geophysical Research: Space Physics, 2013, 118, 7810-7821.	2.4	63
97	Simultaneous observation of chorus and hiss near the plasmapause. Journal of Geophysical Research, 2012, 117, .	3.3	12
98	Tropical daytime lower Dâ€region dependence on sunspot number. Journal of Geophysical Research, 2012, 117, .	3.3	5
99	Combined THEMIS and groundâ€based observations of a pair of substormâ€associated electron precipitation events. Journal of Geophysical Research, 2012, 117, .	3.3	13
100	The annual and longitudinal variations in plasmaspheric ion density. Journal of Geophysical Research, 2012, 117, .	3.3	16
101	Trend and abrupt changes in longâ€term geomagnetic indices. Journal of Geophysical Research, 2012, 117, .	3.3	7
102	Precipitating radiation belt electrons and enhancements of mesospheric hydroxyl during 2004â€“2009. Journal of Geophysical Research, 2012, 117, .	3.3	54
103	Energetic particle injection, acceleration, and loss during the geomagnetic disturbances which upset Galaxy 15. Journal of Geophysical Research, 2012, 117, .	3.3	28
104	Contrasting the responses of three different groundâ€based instruments to energetic electron precipitation. Radio Science, 2012, 47, .	1.6	53
105	Source region for whistlers detected at Rothera, Antarctica. Journal of Geophysical Research, 2011, 116, .	3.3	22
106	First evidence of mesospheric hydroxyl response to electron precipitation from the radiation belts. Journal of Geophysical Research, 2011, 116, .	3.3	75
107	Direct observations of nitric oxide produced by energetic electron precipitation into the Antarctic middle atmosphere. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	38
108	DaytimeDregion parameters from long-path VLF phase and amplitude. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15

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109	Daytime midlatitudeDregion parameters at solar minimum from short-path VLF phase and amplitude. Journal of Geophysical Research, 2011, 116, .	3.3	45
110	Geomagnetic activity related NO_x enhancements and polar surface air temperature variability in a chemistry climate model: modulation of the NAM index. Atmospheric Chemistry and Physics, 2011, 11, 4521-4531.	4.9	118
111	Unusual observation of chorus at L=2.6. , 2011, , .		0
112	Energetic outer radiation belt electron precipitation during recurrent solar activity. Journal of Geophysical Research, 2010, 115, .	3.3	15
113	High-latitude geomagnetically induced current events observed on very low frequency radio wave receiver systems. Radio Science, 2010, 45, n/a-n/a.	1.6	5
114	Radiation belt electron precipitation due to geomagnetic storms: Significance to middle atmosphere ozone chemistry. Journal of Geophysical Research, 2010, 115, .	3.3	31
115	Groundâ€based estimates of outer radiation belt energetic electron precipitation fluxes into the atmosphere. Journal of Geophysical Research, 2010, 115, .	3.3	50
116	Contrasting the efficiency of radiation belt losses caused by ducted and nonducted whistlerâ€mode waves from groundâ€based transmitters. Journal of Geophysical Research, 2010, 115, .	3.3	79
117	Automatic Whistler Detector and Analyzer system: Implementation of the analyzer algorithm. Journal of Geophysical Research, 2010, 115, .	3.3	16
118	Relativistic microburst storm characteristics: Combined satellite and groundâ€based observations. Journal of Geophysical Research, 2010, 115, .	3.3	27
119	Use of POES SEMâ€2 observations to examine radiation belt dynamics and energetic electron precipitation into the atmosphere. Journal of Geophysical Research, 2010, 115, .	3.3	209
120	Impact of different energies of precipitating particles on NOx generation in the middle and upper atmosphere during geomagnetic storms. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 1176-1189.	1.6	166
121	Remote sensing space weather events: Antarcticaâ€Arctic Radiationâ€belt (Dynamic) Depositionâ€VLF Atmospheric Research Konsortium network. Space Weather, 2009, 7, .	3.7	102
122	Additional stratospheric NO_x production by relativistic electron precipitation during the 2004 spring NO_x descent event. Journal of Geophysical Research, 2009, 114, .	3.3	29
123	Geomagnetic activity and polar surface air temperature variability. Journal of Geophysical Research, 2009, 114, .	3.3	135
124	Hiss from the chorus. Nature, 2008, 452, 41-42.	27.8	13
125	Groundâ€based transmitter signals observed from space: Ducted or nonducted?. Journal of Geophysical Research, 2008, 113, .	3.3	60
126	Geomagnetic perturbations on stratospheric circulation in late winter and spring. Journal of Geophysical Research, 2008, 113, .	3.3	49

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127	Significance of transient luminous events to neutral chemistry: Experimental measurements. Geophysical Research Letters, 2008, 35, .	4.0	31
128	Observations of relativistic electron precipitation from the radiation belts driven by EMIC waves. Geophysical Research Letters, 2008, 35, .	4.0	93
129	Energetic electron precipitation during substorm injection events: Highâ€latitude fluxes and an unexpected midlatitude signature. Journal of Geophysical Research, 2008, 113, .	3.3	39
130	Radiation belt electron precipitation by manâ€made VLF transmissions. Journal of Geophysical Research, 2008, 113, .	3.3	73
131	The effects of hardâ€spectra solar proton events on the middle atmosphere. Journal of Geophysical Research, 2008, 113, .	3.3	47
132	Atmospheric impact of the Carrington event solar protons. Journal of Geophysical Research, 2008, 113, .	3.3	25
133	World-wide lightning location using VLF propagation in the Earth-ionosphere waveguide. IEEE Antennas and Propagation Magazine, 2008, 50, 40-60.	1.4	65
134	Temporal variability of the descent of highâ€altitude NO_X inferred from ionospheric data. Journal of Geophysical Research, 2007, 112, .	3.3	26
135	NO_x enhancements in the middle atmosphere during 2003â€“2004 polar winter: Relative significance of solar proton events and the aurora as a source. Journal of Geophysical Research, 2007, 112, .	3.3	45
136	Arctic and Antarctic polar winter NOxand energetic particle precipitation in 2002â€“2006. Geophysical Research Letters, 2007, 34, .	4.0	97
137	Nighttime ionospheric D region parameters from VLF phase and amplitude. Journal of Geophysical Research, 2007, 112, .	3.3	87
138	Storm time, shortâ€lived bursts of relativistic electron precipitation detected by subionospheric radio wave propagation. Journal of Geophysical Research, 2007, 112, .	3.3	22
139	Radiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic storm. Journal of Geophysical Research, 2007, 112, .	3.3	75
140	Energetic particle precipitation into the middle atmosphere triggered by a coronal mass ejection. Journal of Geophysical Research, 2007, 112, .	3.3	33
141	Improved dynamic geomagnetic rigidity cutoff modeling: Testing predictive accuracy. Journal of Geophysical Research, 2007, 112, .	3.3	12
142	Longitudinal and seasonal variations in plasmaspheric electron density: Implications for electron precipitation. Journal of Geophysical Research, 2007, 112, .	3.3	24
143	Lightning-driven inner radiation belt energy deposition into the atmosphere: implications for ionisation-levels and neutral chemistry. Annales Geophysicae, 2007, 25, 1745-1757.	1.6	25
144	The importance of atmospheric precipitation in storm-time relativistic electron flux drop outs. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	35

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145	Destruction of the tertiary ozone maximum during a solar proton event. Geophysical Research Letters, 2006, 33, .	4.0	75
146	Dynamic geomagnetic rigidity cutoff variations during a solar proton event. Journal of Geophysical Research, 2006, 111, .	3.3	43
147	Modeling polar ionospheric effects during the October-November 2003 solar proton events. Radio Science, 2006, 41, n/a-n/a.	1.6	32
148	Predicting Solar Cycle 24 and beyond. Space Weather, 2006, 4, n/a-n/a.	3.7	46
149	Ionospheric evidence of thermosphere-to-stratosphere descent of polar NOX. Geophysical Research Letters, 2006, 33, .	4.0	39
150	Origins of plasmaspheric hiss. Journal of Geophysical Research, 2006, 111, .	3.3	118
151	The atmospheric implications of radiation belt remediation. Annales Geophysicae, 2006, 24, 2025-2041.	1.6	20
152	Lightning driven inner radiation belt energy deposition into the atmosphere: regional and global estimates. Annales Geophysicae, 2005, 23, 3419-3430.	1.6	13
153	Large solar flares and their ionosphericDregion enhancements. Journal of Geophysical Research, 2005, 110, .	3.3	131
154	Reconstructing the long-termaaindex. Journal of Geophysical Research, 2005, 110, .	3.3	39
155	Modeling a large solar proton event in the southern polar atmosphere. Journal of Geophysical Research, 2005, 110, .	3.3	41
156	Diurnal variation of ozone depletion during the October-November 2003 solar proton events. Journal of Geophysical Research, 2005, 110, .	3.3	147
157	Polar mesosphere summer echo detection using a dynasonde. Radio Science, 2005, 40, n/a-n/a.	1.6	0
158	Testing the importance of precipitation loss mechanisms in the inner radiation belt. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	16
159	Radiation belt electron precipitation fluxes associated with lightning. Journal of Geophysical Research, 2004, 109, .	3.3	17
160	Investigating radiation belt losses though numerical modelling of precipitating fluxes. Annales Geophysicae, 2004, 22, 3657-3667.	1.6	9
161	Solar activity levels in 2100. Astronomy and Geophysics, 2003, 44, 5.20-5.22.	0.2	30
162	In situ and ground-based intercalibration measurements of plasma density atL= 2.5. Journal of Geophysical Research, 2003, 108, .	3.3	24

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163	Significance of lightning-generated whistlers to inner radiation belt electron lifetimes. Journal of Geophysical Research, 2003, 108, .	3.3	53
164	Inner radiation belt electron lifetimes due to whistler-induced electron precipitation (WEP) driven losses. Geophysical Research Letters, 2002, 29, 30-1-30-4.	4.0	17
165	Determining the size of lightning-induced electron precipitation patches. Journal of Geophysical Research, 2002, 107, SIA 10-1-SIA 10-11.	3.3	32
166	Dregion reflection height modification by whistler-induced electron precipitation. Journal of Geophysical Research, 2002, 107, SIA 18-1.	3.3	10
167	The causes of long-term change in theaaindex. Journal of Geophysical Research, 2002, 107, SSH 4-1-SSH 4-7.	3.3	33
168	Total solar eclipse effects on VLF signals: Observations and modeling. Radio Science, 2001, 36, 773-788.	1.6	86
169	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
170	Plasmaspheric storm time erosion. Journal of Geophysical Research, 2000, 105, 12997-13008.	3.3	22
171	Solar cycle changes in daytime VLF subionospheric attenuation. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 601-608.	1.6	40
172	The effect of snow accumulation on imaging riometer performance. Radio Science, 2000, 35, 1143-1153.	1.6	7
173	Latitudinally dependent Trimpi effects: Modeling and observations. Journal of Geophysical Research, 1999, 104, 19881-19887.	3.3	18
174	Monitoring spatial and temporal variations in the dayside plasmasphere using geomagnetic field line resonances. Journal of Geophysical Research, 1999, 104, 19955-19969.	3.3	100
175	Sunrise effects on VLF signals propagating over a long north-south path. Radio Science, 1999, 34, 939-948.	1.6	62
176	Ground-based evidence of latitude-dependent cyclotron absorption of whistler mode signals originating from VLF transmitters. Journal of Geophysical Research, 1996, 101, 2355-2367.	3.3	20
177	Characteristics of localized ionospheric disturbances inferred from VLF measurements at two closely spaced receivers. Journal of Geophysical Research, 1996, 101, 15737-15747.	3.3	15
178	Monitoring space weather: using automated, accurate neural network based whistler segmentation for whistler inversion. Space Weather, 0, , .	3.7	0