Craig J Rodger

List of Publications by Year in Descending Order

234 papers	6,907 citations	45 h-index	70 g-index
259 ext. papers	7,917 ext. citations	3.5 avg, IF	5.88 L-index

#	Paper	IF	Citations
234	Solar Flare X-Ray Impacts on Long Subionospheric VLF Paths. *Space Weather*, **2021**, 19, e2021SW002820	3.7	1
233	Impact of EMIC-Wave Driven Electron Precipitation on the Radiation Belts and the Atmosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028671	2.6	2
232	Comparing Electron Precipitation Fluxes Calculated From Pitch Angle Diffusion Coefficients to LEO Satellite Observations. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028410	2.6	4
231	Lightning in the Arctic. *Geophysical Research Letters*, **2021**, 48, e2020GL091366	4.9	10
230	Quiet Night Arctic Ionospheric D Region Characteristics. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029043	2.6	2
229	The Combined Influence of Lower Band Chorus and ULF Waves on Radiation Belt Electron Fluxes at Individual L-Shells. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028755	2.6	4
228	Evidence of Sub-MeV EMIC-Driven Trapped Electron Flux Dropouts From GPS Observations. *Geophysical Research Letters*, **2021**, 48, e2021GL092664	4.9	0
227	The Impact of Sudden Commencements on Ground Magnetic Field Variability: Immediate and Delayed Consequences. *Space Weather*, **2021**, 19, e2021SW002764	3.7	3
226	Geomagnetically induced currents during the 07–08 September 2017 disturbed period: a global perspective. *Journal of Space Weather and Space Climate*, **2021**, 11, 33	2.5	2
225	Impacts of UV Irradiance and Medium-Energy Electron Precipitation on the North Atlantic Oscillation during the 11-Year Solar Cycle. *Atmosphere*, **2021**, 12, 1029	2.7	1
224	Cross- Coherence of the Outer Radiation Belt During Storms and the Role of the Plasmapause. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029308	2.6	1
223	Geomagnetically Induced Currents and Harmonic Distortion: Storm-Time Observations From New Zealand. *Space Weather*, **2020**, 18, e2019SW002387	3.7	8
222	Do Statistical Models Capture the Dynamics of the Magnetopause During Sudden Magnetospheric Compressions?. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027289	2.6	10
221	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	2.6	3
220	Spatial Distributions of Nitric Oxide in the Antarctic Wintertime Middle Atmosphere During Geomagnetic Storms. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027846	2.6	2
219	Comparison of Long-Term Lightning Activity and Inner Radiation Belt Electron Flux Perturbations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027763	2.6	0
218	Outer Van Allen belt trapped and precipitating electron flux responses to two interplanetary magnetic clouds of opposite polarity. *Annales Geophysicae*, **2020**, 38, 931-951	2	0

217	Ground-based very-low-frequency radio wave observations of energetic particle precipitation **2020**, 257-277		0
216	Geomagnetically Induced Currents and Harmonic Distortion: High Time Resolution Case Studies. *Space Weather*, **2020**, 18, e2020SW002594	3.7	3
215	Calculation of GIC in the North Island of New Zealand Using MT Data and Thin-Sheet Modeling. *Space Weather*, **2020**, 18, e2020SW002580	3.7	2
214	Geomagnetically Induced Current Model Validation From New Zealand's South Island. *Space Weather*, **2020**, 18, e2020SW002494	3.7	6
213	A Multi-Instrument Approach to Determining the Source-Region Extent of EEP-Driving EMIC Waves. *Geophysical Research Letters*, **2020**, 47, e2019GL086599	4.9	6
212	Characteristics of Relativistic Microburst Intensity From SAMPEX Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5627-5640	2.6	11
211	D-Region High-Latitude Forcing Factors. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 765-781	2.6	5
210	The Source Regions of Whistlers. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5082-5096	2.6	1
209	Ground-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	2.6	3
208	Generation of EMIC Waves and Effects on Particle Precipitation During a Solar Wind Pressure Intensification With Bz>0. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4492-4508	2.6	11
207	Predicting Lower Band Chorus With Autoregressive-Moving Average Transfer Function (ARMAX) Models. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5692-5708	2.6	1
206	Pitch Angle Scattering of Sub-MeV Relativistic Electrons by Electromagnetic Ion Cyclotron Waves. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5610-5626	2.6	26
205	Multi-instrument Observation of Nonlinear EMIC-Driven Electron Precipitation at sub□MeV Energies. *Geophysical Research Letters*, **2019**, 46, 7248-7257	4.9	16
204	Observed response of stratospheric and mesospheric composition to sudden stratospheric warmings. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2019**, 191, 105054	2	1
203	Global Distribution of Superbolts. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 9996-10005	4.4	31
202	Magnetic Local Time-Resolved Examination of Radiation Belt Dynamics during High-Speed Solar Wind Speed-Triggered Substorm Clusters. *Geophysical Research Letters*, **2019**, 46, 10219-10229	4.9	5
201	Very Low Latitude Whistler-Mode Signals: Observations at Three Widely Spaced Latitudes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9253-9269	2.6	
200	What Fraction of the Outer Radiation Belt Relativistic Electron Flux at L □3-4.5 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	2.6	4

199	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	2.6	1
198	Atmospheric Effects of >30-keV Energetic Electron Precipitation in the Southern Hemisphere Winter During 2003. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8138-8153	2.6	12
197	Developing a Nowcasting Capability for X-Class Solar Flares Using VLF Radiowave Propagation Changes.. *Space Weather*, **2019**, 17, 1783-1799	3.7	7
196	Comparison of Relativistic Microburst Activity Seen by SAMPEX With Ground-Based Wave Measurements at Halley, Antarctica. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1279-1294	2.6	11
195	Northern Hemisphere Stratospheric Ozone Depletion Caused by Solar Proton Events: The Role of the Polar Vortex. *Geophysical Research Letters*, **2018**, 45, 2115-2124	4.9	8
194	Polar Ozone Response to Energetic Particle Precipitation Over Decadal Time Scales: The Role of Medium-Energy Electrons. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 607-622	4.4	30
193	The Role of Localized Compressional Ultra-low Frequency Waves in Energetic Electron Precipitation. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1900	2.6	21
192	Solar proton events and stratospheric ozone depletion over northern Finland. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2018**, 177, 218-227	2	5
191	Observations and Modeling of Increased Nitric Oxide in the Antarctic Polar Middle Atmosphere Associated With Geomagnetic Storm-Driven Energetic Electron Precipitation. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6009-6025	2.6	16
190	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	2.6	14
189	Relativistic Electron Microburst Events: Modeling the Atmospheric Impact. *Geophysical Research Letters*, **2018**, 45, 1141-1147	4.9	15
188	Long-Lasting Geomagnetically Induced Currents and Harmonic Distortion Observed in New Zealand During the 7–8 September 2017 Disturbed Period. *Space Weather*, **2018**, 16, 704-717	3.7	28
187	Transformer-Level Modeling of Geomagnetically Induced Currents in New Zealand's South Island. *Space Weather*, **2018**, 16, 718-735	3.7	21
186	Mesospheric Nitric Acid Enhancements During Energetic Electron Precipitation Events Simulated by WACCM-D. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 6984-6998	4.4	11
185	An Updated Model Providing Long-Term Data Sets of Energetic Electron Precipitation, Including Zonal Dependence. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 9891-9915	4.4	27
184	Quiet Daytime Arctic Ionospheric D Region. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9726-9742	2.6	4
183	Telluric Field Variations as Drivers of Variations in Cathodic Protection Potential on a Natural Gas Pipeline in New Zealand. *Space Weather*, **2018**, 16, 1396-1409	3.7	14
182	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	2.6	13

181	Investigating energetic electron precipitation through combining ground-based and balloon observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 534-546	2.6	19
180	Evidence of sub-MeV EMIC-driven electron precipitation. *Geophysical Research Letters*, **2017**, 44, 1210-1218	4.9	48
179	Energetic electron precipitation and auroral morphology at the substorm recovery phase. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6508-6527	2.6	11
178	Modeling Geoelectric Fields and Geomagnetically Induced Currents Around New Zealand to Explore GIC in the South Island's Electrical Transmission Network. *Space Weather*, **2017**, 15, 1396-1412	3.7	27
177	Long-Term Geomagnetically Induced Current Observations From New Zealand: Peak Current Estimates for Extreme Geomagnetic Storms. *Space Weather*, **2017**, 15, 1447-1460	3.7	24
176	Solar forcing for CMIP6 (v3.2). *Geoscientific Model Development*, **2017**, 10, 2247-2302	6.3	199
175	Long-term geomagnetically induced current observations in New Zealand: Earth return corrections and geomagnetic field driver. *Space Weather*, **2017**, 15, 1020-1038	3.7	27
174	Occurrence characteristics of relativistic electron microbursts from SAMPEX observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8096-8107	2.6	25
173	Midlatitude ionospheric D region: Height, sharpness, and solar zenith angle. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8933-8946	2.6	15
172	Assessment of GIC Based On Transfer Function Analysis. *Space Weather*, **2017**, 15, 1615-1627	3.7	17
171	Long-term climate change in the D-region. *Scientific Reports*, **2017**, 7, 16683	4.9	6
170	Confirmation of EMIC wave-driven relativistic electron precipitation. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 5366-5383	2.6	33
169	Semi-annual oscillation (SAO) of the nighttime ionospheric D□region as detected through ground-based VLF receivers. *Atmospheric Chemistry and Physics*, **2016**, 16, 3279-3288	6.8	11
168	Linkages Between the Radiation Belts, Polar Atmosphere and Climate: Electron Precipitation Through Wave Particle Interactions **2016**, 354-376		7
167	Solar Forcing for CMIP6 (v3.1) **2016**,		19
166	A model providing long-term data sets of energetic electron precipitation during geomagnetic storms. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 12,520-12,540	4.4	42
165	Nature's Grand Experiment: Linkage between magnetospheric convection and the radiation belts. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 171-189	2.6	35
164	Substorm-induced energetic electron precipitation: Morphology and prediction. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2993-3008	2.6	25

163	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2754-2766	2.6	95
162	Techniques to determine the quiet day curve for a long period of subionospheric VLF observations. *Radio Science*, **2015**, 50, 453-468	1.4	7
161	POES MEPED differential flux retrievals and electron channel contamination correction. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4596-4612	2.6	29
160	Substorm-induced energetic electron precipitation: Impact on atmospheric chemistry. *Geophysical Research Letters*, **2015**, 42, 8172-8176	4.9	40
159	High-resolution in situ observations of electron precipitation-causing EMIC waves. *Geophysical Research Letters*, **2015**, 42, 9633-9641	4.9	52
158	A case study of electron precipitation fluxes due to plasmaspheric hiss. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 6736-6748	2.6	10
157	Very low frequency radio events with a reduced intensity observed by the low-altitude DEMETER spacecraft. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 9781-9794	2.6	2
156	A quantitative examination of lightning as a predictor of peak winds in tropical cyclones. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 3789-3801	4.4	7
155	Electron precipitation from EMIC waves: A case study from 31 May 2013. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3618-3631	2.6	52
154	Long-term determination of energetic electron precipitation into the atmosphere from AARDDVARK subionospheric VLF observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2194-2211	2.6	24
153	Low-latitude ionospheric D region dependence on solar zenith angle. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 6865-6875	2.6	19
152	Investigating Dunedin whistlers using volcanic lightning. *Geophysical Research Letters*, **2014**, 41, 4420-4426	4.9	3
151	A statistical approach to determining energetic outer radiation belt electron precipitation fluxes. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 3961-3978	2.6	10
150	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	2.6	15
149	Characteristics of precipitating energetic electron fluxes relative to the plasmapause during geomagnetic storms. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8784-8800	2.6	13
148	Longitudinal hotspots in the mesospheric OH variations due to energetic electron precipitation. *Atmospheric Chemistry and Physics*, **2014**, 14, 1095-1105	6.8	35
147	Investigating the upper and lower energy cutoffs of EMIC-wave driven precipitation events **2014**,		5
146	The world wide lightning location network (WWLLN): Update of status and applications **2014**,		4

145	Missing driver in the Sun-Earth connection from energetic electron precipitation impacts mesospheric ozone. *Nature Communications*, **2014**, 5, 5197	17.4	119
144	Testing AIMOS ionization rates in the middle atmosphere: Comparison with ground based radio wave observations of the ionosphere **2014**,		1
143	Geomagnetic activity signatures in wintertime stratosphere wind, temperature, and wave response. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 2169-2183	4.4	81
142	Rapid Radiation Belt Losses Occurring During High-Speed Solar Wind Stream□Driven Storms: Importance of Energetic Electron Precipitation. *Geophysical Monograph Series*, **2013**, 213-224	1.1	19
141	Links between mesopause temperatures and ground-based VLF narrowband radio signals. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 4244-4255	4.4	15
140	POES satellite observations of EMIC-wave driven relativistic electron precipitation during 1998□2010. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 232-243	2.6	71
139	A reexamination of latitudinal limits of substorm-produced energetic electron precipitation. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 6694-6705	2.6	22
138	Energetic electron precipitation characteristics observed from Antarctica during a flux dropout event. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 6921-6935	2.6	9
137	The plasmasphere during a space weather event: first results from the PLASMON project. *Journal of Space Weather and Space Climate*, **2013**, 3, A23	2.5	37
136	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	2.6	30
135	Empirical determination of solar proton access to the atmosphere: Impact on polar flight paths. *Space Weather*, **2013**, 11, 420-433	3.7	18
134	Comparison of modeled and observed effects of radiation belt electron precipitation on mesospheric hydroxyl and ozone. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 11,419-11,428	4.4	19
133	Observations of nitric oxide in the Antarctic middle atmosphere during recurrent geomagnetic storms. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7874-7885	2.6	9
132	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	2.6	51
131	Tropical daytime lower D-region dependence on sunspot number. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		5
130	Combined THEMIS and ground-based observations of a pair of substorm-associated electron precipitation events. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		12
129	Precipitating radiation belt electrons and enhancements of mesospheric hydroxyl during 2004□2009. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		47
128	Energetic particle injection, acceleration, and loss during the geomagnetic disturbances which upset Galaxy 15. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		26

127	Relative detection efficiency of the World Wide Lightning Location Network. *Radio Science*, **2012**, 47, n/a-n/a	1.4	138
126	Contrasting the responses of three different ground-based instruments to energetic electron precipitation. *Radio Science*, **2012**, 47, n/a-n/a	1.4	47
125	Far-Field Power of Lightning Strokes as Measured by the World Wide Lightning Location Network. *Journal of Atmospheric and Oceanic Technology*, **2012**, 29, 1102-1110	2	86
124	Simultaneous observation of chorus and hiss near the plasmapause. *Journal of Geophysical Research* , **2012**, 117, n/a-n/a		11
123	Source region for whistlers detected at Rothera, Antarctica. *Journal of Geophysical Research*, **2011**, 116,		21
122	First evidence of mesospheric hydroxyl response to electron precipitation from the radiation belts. *Journal of Geophysical Research*, **2011**, 116,		62
121	Direct observations of nitric oxide produced by energetic electron precipitation into the Antarctic middle atmosphere. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	32
120	Daytime D region parameters from long-path VLF phase and amplitude. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		10
119	Daytime midlatitude D region parameters at solar minimum from short-path VLF phase and amplitude. *Journal of Geophysical Research*, **2011**, 116,		41
118	Carbon dioxide emissions from international air freight. *Atmospheric Environment*, **2011**, 45, 7036-7045	5.3	22
117	Automatic retrieval of plasmaspheric electron densities: First results form Automatic Whistler Detector and Analyzer Network **2011**,		1
116	Daytime VLF modeling over land and sea, comparison with data from DEMETER satellite **2011**,		2
115	PLASMON: Data assimilation of the Earth's plasmasphere **2011**,		2
114	Global lightning distribution and whistlers observed at Dunedin, New Zealand. *Annales Geophysicae*, **2010**, 28, 499-513	2	12
113	Temporal-spatial modeling of electron density enhancement due to successive lightning strokes. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		11
112	Energetic outer radiation belt electron precipitation during recurrent solar activity. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		14
111	High-latitude geomagnetically induced current events observed on very low frequency radio wave receiver systems. *Radio Science*, **2010**, 45, n/a-n/a	1.4	5
110	Relationship between median intensities of electromagnetic emissions in the VLF range and lightning activity. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		26

109	Radiation belt electron precipitation due to geomagnetic storms: Significance to middle atmosphere ozone chemistry. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		26
108	Ground-based estimates of outer radiation belt energetic electron precipitation fluxes into the atmosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		41
107	Contrasting the efficiency of radiation belt losses caused by ducted and nonducted whistler-mode waves from ground-based transmitters. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		60
106	Automatic Whistler Detector and Analyzer system: Implementation of the analyzer algorithm. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		10
105	Correction to Radiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic storm *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		1
104	Relativistic microburst storm characteristics: Combined satellite and ground-based observations. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		23
103	Use of POES SEM-2 observations to examine radiation belt dynamics and energetic electron precipitation into the atmosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		173
102	Carbon emissions from international cruise ship passengers travel to and from New Zealand. *Energy Policy*, **2010**, 38, 2552-2560	7.2	102
101	Seeking sprite-induced signatures in remotely sensed middle atmosphere NO2: latitude and time variations. *Plasma Sources Science and Technology*, **2009**, 18, 034014	3.5	18
100	Growing Detection Efficiency of the World Wide Lightning Location Network **2009**,		83
99	Carbon emission offsets for aviation-generated emissions due to international travel to and from New Zealand. *Energy Policy*, **2009**, 37, 3438-3447	7.2	56
98	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	2	133
97	Automatic whistler detection: Operational results from New Zealand. *Radio Science*, **2009**, 44, n/a-n/a	1.4	8
96	Remote sensing space weather events: Antarctic-Arctic Radiation-belt (Dynamic) Deposition-VLF Atmospheric Research Konsortium network. *Space Weather*, **2009**, 7, n/a-n/a	3.7	79
95	New Directions for Radiation Belt Research. *Space Weather*, **2009**, 7, n/a-n/a	3.7	21
94	Additional stratospheric NOx production by relativistic electron precipitation during the 2004 spring NOx descent event. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		26
93	Correlation between global lightning and whistlers observed at Tihany, Hungary. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		11
92	Survey of magnetospheric line radiation events observed by the DEMETER spacecraft. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		16

91	Geomagnetic activity and polar surface air temperature variability. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		117
90	Seeking sprite-induced signatures in remotely sensed middle atmosphere NO2. *Geophysical Research Letters*, **2008**, 35,	4.9	36
89	Ground-based transmitter signals observed from space: Ducted or nonducted?. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		45
88	Subionospheric early VLF perturbations observed at Suva: VLF detection of red sprites in the day?. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		19
87	Radiation belt electron precipitation due to VLF transmitters: Satellite observations. *Geophysical Research Letters*, **2008**, 35,	4.9	80
86	Significance of transient luminous events to neutral chemistry: Experimental measurements. *Geophysical Research Letters*, **2008**, 35, n/a-n/a	4.9	28
85	Observations of relativistic electron precipitation from the radiation belts driven by EMIC waves. *Geophysical Research Letters*, **2008**, 35,	4.9	87
84	Energetic electron precipitation during substorm injection events: High-latitude fluxes and an unexpected midlatitude signature. *Journal of Geophysical Research*, **2008**, 113,		33
83	Radiation belt electron precipitation by man-made VLF transmissions. *Journal of Geophysical Research*, **2008**, 113,		52
82	The effects of hard-spectra solar proton events on the middle atmosphere. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		40
81	Atmospheric impact of the Carrington event solar protons. *Journal of Geophysical Research*, **2008**, 113,		20
80	World-wide lightning location using VLF propagation in the Earth-ionosphere waveguide. *IEEE Antennas and Propagation Magazine*, **2008**, 50, 40-60	1.7	38
79	Temporal variability of the descent of high-altitude NOX inferred from ionospheric data. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		24
78	Local time variation in land/ocean lightning flash density as measured by the World Wide Lightning Location Network. *Journal of Geophysical Research*, **2007**, 112,		59
77	NOx enhancements in the middle atmosphere during 2003–2004 polar winter: Relative significance of solar proton events and the aurora as a source. *Journal of Geophysical Research*, **2007**, 112,		42
76	Comment on "Preseismic Lithosphere-Atmosphere-Ionosphere Coupling" *Eos*, **2007**, 88, 248-248	1.5	5
75	Storm time, short-lived bursts of relativistic electron precipitation detected by subionospheric radio wave propagation. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		20
74	Radiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic storm. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		64

73	Energetic particle precipitation into the middle atmosphere triggered by a coronal mass ejection. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		31
72	Improved dynamic geomagnetic rigidity cutoff modeling: Testing predictive accuracy. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		10
71	Latitudinal extent of the January 2005 solar proton event in the Northern Hemisphere from satellite observations of hydroxyl. *Annales Geophysicae*, **2007**, 25, 2203-2215	2	23
70	Lightning-driven inner radiation belt energy deposition into the atmosphere: implications for ionisation-levels and neutral chemistry. *Annales Geophysicae*, **2007**, 25, 1745-1757	2	21
69	REMOTE SENSING OF THE UPPER ATMOSPHERE BY VLF **2006**, 167-190		16
68	The importance of atmospheric precipitation in storm-time relativistic electron flux drop outs. *Geophysical Research Letters*, **2006**, 33, n/a-n/a	4.9	31
67	Destruction of the tertiary ozone maximum during a solar proton event. *Geophysical Research Letters*, **2006**, 33,	4.9	60
66	Dynamic geomagnetic rigidity cutoff variations during a solar proton event. *Journal of Geophysical Research*, **2006**, 111,		38
65	Modeling polar ionospheric effects during the October–November 2003 solar proton events. *Radio Science*, **2006**, 41, n/a-n/a	1.4	27
64	Ionospheric evidence of thermosphere-to-stratosphere descent of polar NOX. *Geophysical Research Letters*, **2006**, 33,	4.9	36
63	Sunset transition of negative charge in the D-region ionosphere during high-ionization conditions. *Annales Geophysicae*, **2006**, 24, 187-202	2	13
62	The atmospheric implications of radiation belt remediation. *Annales Geophysicae*, **2006**, 24, 2025-2041	2	17
61	Detection efficiency of the VLF World-Wide Lightning Location Network (WWLLN): initial case study. *Annales Geophysicae*, **2006**, 24, 3197-3214	2	177
60	Large solar flares and their ionospheric D region enhancements. *Journal of Geophysical Research*, **2005**, 110,		105
59	Space shuttle observation of an unusual transient atmospheric emission. *Geophysical Research Letters*, **2005**, 32,	4.9	12
58	Modeling a large solar proton event in the southern polar atmosphere. *Journal of Geophysical Research*, **2005**, 110,		38
57	Diurnal variation of ozone depletion during the October–November 2003 solar proton events. *Journal of Geophysical Research*, **2005**, 110,		123
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