# Craig J Rodger

List of Publications by Year
in descending order



| 252 | 8,997 | 43973 | 64668 |
|---|---|---|---|
| papers | citations | 48 h-index | 79 g-index |

| 259 | 259 | 259 | 4589 |
|---|---|---|---|
| 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, . | 0.8 | 7 |
| 2 | Geomagnetically Induced Current Model in New Zealand Across Multiple Disturbances: Validation and Extension to Nonâ€Monitored Transformers. Space Weather, 2022, 20, . | 1.3 | 11 |
| 3 | 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, . | 0.8 | 16 |
| 4 | The Correspondence Between Sudden Commencements and Geomagnetically Induced Currents: Insights From New Zealand. Space Weather, 2022, 20, . | 1.3 | 3 |
| 5 | Geomagnetically induced currents during the 07â€“08 September 2017 disturbed period: a global perspective. Journal of Space Weather and Space Climate, 2021, 11, 33. | 1.1 | 11 |
| 6 | Impact of EMICâ€Wave Driven Electron Precipitation on the Radiation Belts and the Atmosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028671. | 0.8 | 4 |
| 7 | Comparing Electron Precipitation Fluxes Calculated From Pitch Angle Diffusion Coefficients to LEO Satellite Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028410. | 0.8 | 17 |
| 8 | Lightning in the Arctic. Geophysical Research Letters, 2021, 48, e2020GL091366. | 1.5 | 47 |
| 9 | Quiet Night Arctic Ionospheric D Region Characteristics. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029043. | 0.8 | 4 |
| 10 | The Combined Influence of Lower Band Chorus and ULF Waves on Radiation Belt Electron Fluxes at Individual Lâ€Shells. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028755. | 0.8 | 13 |
| 11 | Evidence of Subâ€MeV EMICâ€Driven Trapped Electron Flux Dropouts From GPS Observations. Geophysical Research Letters, 2021, 48, e2021GL092664. | 1.5 | 5 |
| 12 | The Impact of Sudden Commencements on Ground Magnetic Field Variability: Immediate and Delayed Consequences. Space Weather, 2021, 19, e2021SW002764. | 1.3 | 11 |
| 13 | Impacts of UV Irradiance and Medium-Energy Electron Precipitation on the North Atlantic Oscillation during the 11-Year Solar Cycle. Atmosphere, 2021, 12, 1029. | 1.0 | 3 |
| 14 | Crossâ€Coherence of the Outer Radiation Belt During Storms and the Role of the Plasmapause. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029308. | 0.8 | 5 |
| 15 | Solar flare Xâ€ray impacts on long subionospheric VLF paths. Space Weather, 2021, 19, e2021SW002820. | 1.3 | 6 |
| 16 | Ground-based very-low-frequency radio wave observations of energetic particle precipitation. , 2020, , 257-277. | | 1 |
| 17 | Geomagnetically Induced Currents and Harmonic Distortion: High Time Resolution Case Studies. Space Weather, 2020, 18, e2020SW002594. | 1.3 | 13 |
| 18 | Calculation of GIC in the North Island of New Zealand Using MT Data and Thinâ€Sheet Modeling. Space Weather, 2020, 18, e2020SW002580. | 1.3 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Geomagnetically Induced Current Model Validation From New Zealand's South Island. Space Weather, 2020, 18, e2020SW002494. | 1.3 | 20 |
| 20 | Geomagnetically Induced Currents and Harmonic Distortion: Stormâ€Time Observations From New Zealand. Space Weather, 2020, 18, e2019SW002387. | 1.3 | 19 |
| 21 | Do Statistical Models Capture the Dynamics of the Magnetopause During Sudden Magnetospheric Compressions?. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027289. | 0.8 | 26 |
| 22 | 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. | 0.8 | 9 |
| 23 | Spatial Distributions of Nitric Oxide in the Antarctic Wintertime Middle Atmosphere During Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027846. | 0.8 | 3 |
| 24 | Comparison of Longâ€Term Lightning Activity and Inner Radiation Belt Electron Flux Perturbations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027763. | 0.8 | 3 |
| 25 | A Multiâ€Instrument Approach to Determining the Sourceâ€Region Extent of EEPâ€Driving EMIC Waves. Geophysical Research Letters, 2020, 47, e2019GL086599. | 1.5 | 10 |
| 26 | Outer Van Allen belt trapped and precipitating electron flux responses to two interplanetary magnetic clouds of opposite polarity. Annales Geophysicae, 2020, 38, 931-951. | 0.6 | 4 |
| 27 | Generation of EMIC Waves and Effects on Particle Precipitation During a Solar Wind Pressure Intensification With B<sub>z</sub>>0. Journal of Geophysical Research: Space Physics, 2019, 124, 4492-4508. | 0.8 | 17 |
| 28 | Predicting Lower Band Chorus With Autoregressiveâ€Moving Average Transfer Function (ARMAX) Models. Journal of Geophysical Research: Space Physics, 2019, 124, 5692-5708. | 0.8 | 6 |
| 29 | Pitch Angle Scattering of Subâ€MeV Relativistic Electrons by Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2019, 124, 5610-5626. | 0.8 | 41 |
| 30 | Multiâ€Instrument Observation of Nonlinear EMICâ€Driven Electron Precipitation at subâ€“MeV Energies. Geophysical Research Letters, 2019, 46, 7248-7257. | 1.5 | 30 |
| 31 | Observed response of stratospheric and mesospheric composition to sudden stratospheric warmings. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 191, 105054. | 0.6 | 2 |
| 32 | Global Distribution of Superbolts. Journal of Geophysical Research D: Atmospheres, 2019, 124, 9996-10005. | 1.2 | 61 |
| 33 | 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. | 1.5 | 9 |
| 34 | Very Low Latitude Whistlerâ€Mode Signals: Observations at Three Widely Spaced Latitudes. Journal of Geophysical Research: Space Physics, 2019, 124, 9253-9269. | 0.8 | 0 |
| 35 | 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. | 0.8 | 4 |
| 36 | Characteristics of Relativistic Microburst Intensity From SAMPEX Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 5627-5640. | 0.8 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Dâ€Region Highâ€Latitude Forcing Factors. Journal of Geophysical Research: Space Physics, 2019, 124, 765-781. | 0.8 | 7 |
| 38 | The Source Regions of Whistlers. Journal of Geophysical Research: Space Physics, 2019, 124, 5082-5096. | 0.8 | 7 |
| 39 | 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. | 0.8 | 5 |
| 40 | 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. | 0.8 | 4 |
| 41 | Atmospheric Effects of >30â€keV Energetic Electron Precipitation in the Southern Hemisphere Winter During 2003. Journal of Geophysical Research: Space Physics, 2019, 124, 8138-8153. | 0.8 | 24 |
| 42 | Developing a Nowcasting Capability for Xâ€Class Solar Flares Using VLF Radiowave Propagation Changes.. Space Weather, 2019, 17, 1783-1799. | 1.3 | 12 |
| 43 | 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. | 0.8 | 15 |
| 44 | Northern Hemisphere Stratospheric Ozone Depletion Caused by Solar Proton Events: The Role of the Polar Vortex. Geophysical Research Letters, 2018, 45, 2115-2124. | 1.5 | 13 |
| 45 | 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. | 1.2 | 38 |
| 46 | The Role of Localized Compressional Ultraâ€low Frequency Waves in Energetic Electron Precipitation. Journal of Geophysical Research: Space Physics, 2018, 123, 1900-1914. | 0.8 | 36 |
| 47 | Solar proton events and stratospheric ozone depletion over northern Finland. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 218-227. | 0.6 | 9 |
| 48 | Mesospheric Nitric Acid Enhancements During Energetic Electron Precipitation Events Simulated by WACCMâ€D. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6984-6998. | 1.2 | 12 |
| 49 | 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. | 1.2 | 37 |
| 50 | Quiet Daytime Arctic IonosphericDRegion. Journal of Geophysical Research: Space Physics, 2018, 123, 9726-9742. | 0.8 | 6 |
| 51 | 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. | 1.3 | 19 |
| 52 | 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. | 0.8 | 20 |
| 53 | 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. | 0.8 | 22 |
| 54 | 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. | 0.8 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Relativistic Electron Microburst Events: Modeling the Atmospheric Impact. Geophysical Research Letters, 2018, 45, 1141-1147. | 1.5 | 23 |
| 56 | 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. | 1.3 | 48 |
| 57 | Transformerâ€Level Modeling of Geomagnetically Induced Currents in New Zealand's South Island. Space Weather, 2018, 16, 718-735. | 1.3 | 34 |
| 58 | Investigating energetic electron precipitation through combining groundâ€based and balloon observations. Journal of Geophysical Research: Space Physics, 2017, 122, 534-546. | 0.8 | 31 |
| 59 | Evidence of subâ€MeV EMICâ€driven electron precipitation. Geophysical Research Letters, 2017, 44, 1210-1218. | 1.5 | 66 |
| 60 | Energetic electron precipitation and auroral morphology at the substorm recovery phase. Journal of Geophysical Research: Space Physics, 2017, 122, 6508-6527. | 0.8 | 20 |
| 61 | 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. | 1.3 | 35 |
| 62 | Longâ€Term Geomagnetically Induced Current Observations From New Zealand: Peak Current Estimates for Extreme Geomagnetic Storms. Space Weather, 2017, 15, 1447-1460. | 1.3 | 44 |
| 63 | Longâ€term geomagnetically induced current observations in New Zealand: Earth return corrections and geomagnetic field driver. Space Weather, 2017, 15, 1020-1038. | 1.3 | 43 |
| 64 | Occurrence characteristics of relativistic electron microbursts from SAMPEX observations. Journal of Geophysical Research: Space Physics, 2017, 122, 8096-8107. | 0.8 | 37 |
| 65 | Midlatitude ionospheric D region: Height, sharpness, and solar zenith angle. Journal of Geophysical Research: Space Physics, 2017, 122, 8933-8946. | 0.8 | 19 |
| 66 | Assessment of GIC Based On Transfer Function Analysis. Space Weather, 2017, 15, 1615-1627. | 1.3 | 24 |
| 67 | Long-term climate change in the D-region. Scientific Reports, 2017, 7, 16683. | 1.6 | 8 |
| 68 | Solar forcing for CMIP6 (v3.2). Geoscientific Model Development, 2017, 10, 2247-2302. | 1.3 | 293 |
| 69 | A model providing longâ€term data sets of energetic electron precipitation during geomagnetic storms. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,520. | 1.2 | 63 |
| 70 | Embodied Earth: Experiencing natural phenomena. , 2016, , . | | 0 |
| 71 | Nature's Grand Experiment: Linkage between magnetospheric convection and the radiation belts. Journal of Geophysical Research: Space Physics, 2016, 121, 171-189. | 0.8 | 42 |
| 72 | Confirmation of EMIC waveâ€driven relativistic electron precipitation. Journal of Geophysical Research: Space Physics, 2016, 121, 5366-5383. | 0.8 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Semi-annual oscillation (SAO) of the nighttime ionospheric DÂregion as detected through ground-based VLF receivers. Atmospheric Chemistry and Physics, 2016, 16, 3279-3288. | 1.9 | 11 |
| 74 | Linkages Between the Radiation Belts, Polar Atmosphere and Climate: Electron Precipitation Through Wave Particle Interactions. , 2016, , 354-376. | | 9 |
| 75 | POES MEPED differential flux retrievals and electron channel contamination correction. Journal of Geophysical Research: Space Physics, 2015, 120, 4596-4612. | 0.8 | 41 |
| 76 | Substormâ€induced energetic electron precipitation: Impact on atmospheric chemistry. Geophysical Research Letters, 2015, 42, 8172-8176. | 1.5 | 51 |
| 77 | Highâ€resolution in situ observations of electron precipitationâ€causing EMIC waves. Geophysical Research Letters, 2015, 42, 9633-9641. | 1.5 | 59 |
| 78 | A case study of electron precipitation fluxes due to plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2015, 120, 6736-6748. | 0.8 | 13 |
| 79 | Very low frequency radio events with a reduced intensity observed by the lowâ€altitude DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2015, 120, 9781-9794. | 0.8 | 2 |
| 80 | A quantitative examination of lightning as a predictor of peak winds in tropical cyclones. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3789-3801. | 1.2 | 8 |
| 81 | Electron precipitation from EMIC waves: A case study from 31 May 2013. Journal of Geophysical Research: Space Physics, 2015, 120, 3618-3631. | 0.8 | 65 |
| 82 | 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. | 0.8 | 29 |
| 83 | Substormâ€induced energetic electron precipitation: Morphology and prediction. Journal of Geophysical Research: Space Physics, 2015, 120, 2993-3008. | 0.8 | 34 |
| 84 | Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. Journal of Geophysical Research: Space Physics, 2015, 120, 2754-2766. | 0.8 | 133 |
| 85 | Techniques to determine the quiet day curve for a long period of subionospheric VLF observations. Radio Science, 2015, 50, 453-468. | 0.8 | 9 |
| 86 | 4.5 Atmospheric ionisation by solar energetic particle precipitation. , 2015, , . | | 0 |
| 87 | Investigating electron precipitation event characteristics and drivers: Combining BARREL-inspired measurements from Antarctica and Canada. , 2014, , . | | 0 |
| 88 | Investigating the upper and lower energy cutoffs of EMIC-wave driven precipitation events. , 2014, , . | | 5 |
| 89 | Calibration of electron density obtained from whistler inversion with in-situ satellite measurements. , 2014, , . | | 0 |
| 90 | The world wide lightning location network (WWLLN): Update of status and applications. , 2014, , . | | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Detecting space weather events with subionospheric VLF observations: Producing quiet day curves from AARDDVARK data. , 2014, , . | | 1 |
| 92 | The role of the plasmapause on energetic electron precipitation fluxes during space weather events. , 2014, , . | | 0 |
| 93 | Missing driver in the Sunâ€“Earth connection from energetic electron precipitation impacts mesospheric ozone. Nature Communications, 2014, 5, 5197. | 5.8 | 148 |
| 94 | Testing AIMOS ionization rates in the middle atmosphere: Comparison with ground based radio wave observations of the ionosphere. , 2014, , . | | 1 |
| 95 | Lowâ€latitude ionospheric D region dependence on solar zenith angle. Journal of Geophysical Research: Space Physics, 2014, 119, 6865-6875. | 0.8 | 24 |
| 96 | Investigating Dunedin whistlers using volcanic lightning. Geophysical Research Letters, 2014, 41, 4420-4426. | 1.5 | 5 |
| 97 | A statistical approach to determining energetic outer radiation belt electron precipitation fluxes. Journal of Geophysical Research: Space Physics, 2014, 119, 3961-3978. | 0.8 | 11 |
| 98 | 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. | 0.8 | 17 |
| 99 | Characteristics of precipitating energetic electron fluxes relative to the plasmapause during geomagnetic storms. Journal of Geophysical Research: Space Physics, 2014, 119, 8784-8800. | 0.8 | 16 |
| 100 | Longitudinal hotspots in the mesospheric OH variations due to energetic electron precipitation. Atmospheric Chemistry and Physics, 2014, 14, 1095-1105. | 1.9 | 40 |
| 101 | Remote sensing space weather events through ionospheric radio: Latest update from the AARDDVARK network. , 2014, , . | | 0 |
| 102 | Long term determination of variations in energetic electron precipitation into the atmosphere using AARDDVARK. , 2014, , . | | 0 |
| 103 | Remote sensing space weather events through ionospheric radio: The AARDDVARK network. , 2014, , . | | 2 |
| 104 | Geomagnetic activity signatures in wintertime stratosphere wind, temperature, and wave response. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2169-2183. | 1.2 | 95 |
| 105 | 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 |
| 106 | Links between mesopause temperatures and groundâ€based VLF narrowband radio signals. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4244-4255. | 1.2 | 18 |
| 107 | POES satellite observations of EMICâ€wave driven relativistic electron precipitation during 1998â€“2010. Journal of Geophysical Research: Space Physics, 2013, 118, 232-243. | 0.8 | 87 |
| 108 | A reexamination of latitudinal limits of substormâ€produced energetic electron precipitation. Journal of Geophysical Research: Space Physics, 2013, 118, 6694-6705. | 0.8 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Energetic electron precipitation characteristics observed from Antarctica during a flux dropout event. Journal of Geophysical Research: Space Physics, 2013, 118, 6921-6935. | 0.8 | 9 |
| 110 | The plasmasphere during a space weather event: first results from the PLASMON project. Journal of Space Weather and Space Climate, 2013, 3, A23. | 1.1 | 50 |
| 111 | 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. | 0.8 | 41 |
| 112 | Empirical determination of solar proton access to the atmosphere: Impact on polar flight paths. Space Weather, 2013, 11, 420-433. | 1.3 | 23 |
| 113 | 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. | 1.2 | 21 |
| 114 | Observations of nitric oxide in the Antarctic middle atmosphere during recurrent geomagnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 7874-7885. | 0.8 | 9 |
| 115 | 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. | 0.8 | 63 |
| 116 | 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. | 0.5 | 114 |
| 117 | Simultaneous observation of chorus and hiss near the plasmapause. Journal of Geophysical Research, 2012, 117, . | 3.3 | 12 |
| 118 | Tropical daytime lower Dâ€region dependence on sunspot number. Journal of Geophysical Research, 2012, 117, . | 3.3 | 5 |
| 119 | Combined THEMIS and groundâ€based observations of a pair of substormâ€associated electron precipitation events. Journal of Geophysical Research, 2012, 117, . | 3.3 | 13 |
| 120 | Precipitating radiation belt electrons and enhancements of mesospheric hydroxyl during 2004â€“2009. Journal of Geophysical Research, 2012, 117, . | 3.3 | 54 |
| 121 | Energetic particle injection, acceleration, and loss during the geomagnetic disturbances which upset Galaxy 15. Journal of Geophysical Research, 2012, 117, . | 3.3 | 28 |
| 122 | Relative detection efficiency of the World Wide Lightning Location Network. Radio Science, 2012, 47, . | 0.8 | 181 |
| 123 | Contrasting the responses of three different groundâ€based instruments to energetic electron precipitation. Radio Science, 2012, 47, . | 0.8 | 53 |
| 124 | Source region for whistlers detected at Rothera, Antarctica. Journal of Geophysical Research, 2011, 116, . | 3.3 | 22 |
| 125 | First evidence of mesospheric hydroxyl response to electron precipitation from the radiation belts. Journal of Geophysical Research, 2011, 116, . | 3.3 | 75 |
| 126 | Direct observations of nitric oxide produced by energetic electron precipitation into the Antarctic middle atmosphere. Geophysical Research Letters, 2011, 38, n/a-n/a. | 1.5 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | DaytimeDregion parameters from long-path VLF phase and amplitude. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 15 |
| 128 | Daytime midlatitudeDregion parameters at solar minimum from short-path VLF phase and amplitude. Journal of Geophysical Research, 2011, 116, . | 3.3 | 45 |
| 129 | Carbon dioxide emissions from international air freight. Atmospheric Environment, 2011, 45, 7036-7045. | 1.9 | 25 |
| 130 | Satellite and ground-based observations of a large-scale electron precipitation event. , 2011, , . | | 0 |
| 131 | Relativistic microburst storm characteristics: Combined satellite and ground-based observations. , 2011, , . | | 0 |
| 132 | Remote sensing space weather events through ionospheric radio: The AARDDVARK network. , 2011, , . | | 0 |
| 133 | Statistical analysis of outer electron radiation belt dropouts: geosynchronous and low earth orbit responses during solar wind stream interfaces. , 2011, , . | | 0 |
| 134 | Unusual observation of chorus at L=2.6. , 2011, , . | | 0 |
| 135 | Automatic retrieval of plasmaspheric electron densities: First results form Automatic Whistler Detector and Analyzer Network. , 2011, , . | | 1 |
| 136 | Daytime VLF modeling over land and sea, comparison with data from DEMETER satellite. , 2011, , . | | 2 |
| 137 | PLASMON: Data assimilation of the Earth's plasmasphere. , 2011, , . | | 2 |
| 138 | Carbon emissions from international cruise ship passengersâ€™ travel to and from New Zealand. Energy Policy, 2010, 38, 2552-2560. | 4.2 | 124 |
| 139 | Global lightning distribution and whistlers observed at Dunedin, New Zealand. Annales Geophysicae, 2010, 28, 499-513. | 0.6 | 15 |
| 140 | Temporalâ€spatial modeling of electron density enhancement due to successive lightning strokes. Journal of Geophysical Research, 2010, 115, . | 3.3 | 13 |
| 141 | Energetic outer radiation belt electron precipitation during recurrent solar activity. Journal of Geophysical Research, 2010, 115, . | 3.3 | 15 |
| 142 | High-latitude geomagnetically induced current events observed on very low frequency radio wave receiver systems. Radio Science, 2010, 45, n/a-n/a. | 0.8 | 5 |
| 143 | Relationship between median intensities of electromagnetic emissions in the VLF range and lightning activity. Journal of Geophysical Research, 2010, 115, . | 3.3 | 29 |
| 144 | Radiation belt electron precipitation due to geomagnetic storms: Significance to middle atmosphere ozone chemistry. Journal of Geophysical Research, 2010, 115, . | 3.3 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Groundâ€based estimates of outer radiation belt energetic electron precipitation fluxes into the atmosphere. Journal of Geophysical Research, 2010, 115, . | 3.3 | 50 |
| 146 | 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 |
| 147 | Automatic Whistler Detector and Analyzer system: Implementation of the analyzer algorithm. Journal of Geophysical Research, 2010, 115, . | 3.3 | 16 |
| 148 | Correction to â€œRadiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic stormâ€. Journal of Geophysical Research, 2010, 115, . | 3.3 | 1 |
| 149 | Relativistic microburst storm characteristics: Combined satellite and groundâ€based observations. Journal of Geophysical Research, 2010, 115, . | 3.3 | 27 |
| 150 | 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 |
| 151 | Seeking sprite-induced signatures in remotely sensed middle atmosphere NO<sub>2</sub>: latitude and time variations. Plasma Sources Science and Technology, 2009, 18, 034014. | 1.3 | 21 |
| 152 | Growing Detection Efficiency of the World Wide Lightning Location Network. , 2009, , . | | 106 |
| 153 | Carbon emission offsets for aviation-generated emissions due to international travel to and from New Zealand. Energy Policy, 2009, 37, 3438-3447. | 4.2 | 66 |
| 154 | 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. | 0.6 | 166 |
| 155 | Correction to â€œRadiation belt electron precipitation by man-made VLF transmissionsâ€. Journal of Geophysical Research, 2009, 114, n/a-n/a. | 3.3 | 1 |
| 156 | Automatic whistler detection: Operational results from New Zealand. Radio Science, 2009, 44, . | 0.8 | 12 |
| 157 | Remote sensing space weather events: Antarcticâ€Arctic Radiationâ€belt (Dynamic) Depositionâ€VLF Atmospheric Research Konsortium network. Space Weather, 2009, 7, . | 1.3 | 102 |
| 158 | New Directions for Radiation Belt Research. Space Weather, 2009, 7, n/a-n/a. | 1.3 | 23 |
| 159 | Additional stratospheric NO<sub>x</sub> production by relativistic electron precipitation during the 2004 spring NO<sub>x</sub> descent event. Journal of Geophysical Research, 2009, 114, . | 3.3 | 29 |
| 160 | Correlation between global lightning and whistlers observed at Tihany, Hungary. Journal of Geophysical Research, 2009, 114, . | 3.3 | 14 |
| 161 | Survey of magnetospheric line radiation events observed by the DEMETER spacecraft. Journal of Geophysical Research, 2009, 114, . | 3.3 | 18 |
| 162 | Geomagnetic activity and polar surface air temperature variability. Journal of Geophysical Research, 2009, 114, . | 3.3 | 135 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Hiss from the chorus. Nature, 2008, 452, 41-42. | 13.7 | 13 |
| 164 | Seeking spriteâ€induced signatures in remotely sensed middle atmosphere NO<sub>2</sub>. Geophysical Research Letters, 2008, 35, . | 1.5 | 40 |
| 165 | Groundâ€based transmitter signals observed from space: Ducted or nonducted?. Journal of Geophysical Research, 2008, 113, . | 3.3 | 60 |
| 166 | Subionospheric early VLF perturbations observed at Suva: VLF detection of red sprites in the day?. Journal of Geophysical Research, 2008, 113, . | 3.3 | 26 |
| 167 | Radiation belt electron precipitation due to VLF transmitters: Satellite observations. Geophysical Research Letters, 2008, 35, . | 1.5 | 105 |
| 168 | Significance of transient luminous events to neutral chemistry: Experimental measurements. Geophysical Research Letters, 2008, 35, . | 1.5 | 31 |
| 169 | Observations of relativistic electron precipitation from the radiation belts driven by EMIC waves. Geophysical Research Letters, 2008, 35, . | 1.5 | 93 |
| 170 | Energetic electron precipitation during substorm injection events: Highâ€latitude fluxes and an unexpected midlatitude signature. Journal of Geophysical Research, 2008, 113, . | 3.3 | 39 |
| 171 | Radiation belt electron precipitation by manâ€made VLF transmissions. Journal of Geophysical Research, 2008, 113, . | 3.3 | 73 |
| 172 | The effects of hardâ€spectra solar proton events on the middle atmosphere. Journal of Geophysical Research, 2008, 113, . | 3.3 | 47 |
| 173 | Atmospheric impact of the Carrington event solar protons. Journal of Geophysical Research, 2008, 113, . | 3.3 | 25 |
| 174 | World-wide lightning location using VLF propagation in the Earth-ionosphere waveguide. IEEE Antennas and Propagation Magazine, 2008, 50, 40-60. | 1.2 | 65 |
| 175 | Temporal variability of the descent of highâ€altitude NO<sub>X</sub> inferred from ionospheric data. Journal of Geophysical Research, 2007, 112, . | 3.3 | 26 |
| 176 | Local time variation in land/ocean lightning flash density as measured by the World Wide Lightning Location Network. Journal of Geophysical Research, 2007, 112, . | 3.3 | 71 |
| 177 | NO<sub>x</sub> 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 |
| 178 | Comment on â€œPreseismic Lithosphere-Atmosphere-Ionosphere Couplingâ€. Eos, 2007, 88, 248-248. | 0.1 | 6 |
| 179 | Storm time, shortâ€lived bursts of relativistic electron precipitation detected by subionospheric radio wave propagation. Journal of Geophysical Research, 2007, 112, . | 3.3 | 22 |
| 180 | Radiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic storm. Journal of Geophysical Research, 2007, 112, . | 3.3 | 75 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Energetic particle precipitation into the middle atmosphere triggered by a coronal mass ejection. Journal of Geophysical Research, 2007, 112, . | 3.3 | 33 |
| 182 | Improved dynamic geomagnetic rigidity cutoff modeling: Testing predictive accuracy. Journal of Geophysical Research, 2007, 112, . | 3.3 | 12 |
| 183 | Latitudinal extent of the January 2005 solar proton event in the Northern Hemisphere from satellite observations of hydroxyl. Annales Geophysicae, 2007, 25, 2203-2215. | 0.6 | 27 |
| 184 | Lightning-driven inner radiation belt energy deposition into the atmosphere: implications for ionisation-levels and neutral chemistry. Annales Geophysicae, 2007, 25, 1745-1757. | 0.6 | 25 |
| 185 | The importance of atmospheric precipitation in storm-time relativistic electron flux drop outs. Geophysical Research Letters, 2006, 33, n/a-n/a. | 1.5 | 35 |
| 186 | Destruction of the tertiary ozone maximum during a solar proton event. Geophysical Research Letters, 2006, 33, . | 1.5 | 75 |
| 187 | Dynamic geomagnetic rigidity cutoff variations during a solar proton event. Journal of Geophysical Research, 2006, 111, . | 3.3 | 43 |
| 188 | Modeling polar ionospheric effects during the October-November 2003 solar proton events. Radio Science, 2006, 41, n/a-n/a. | 0.8 | 32 |
| 189 | Ionospheric evidence of thermosphere-to-stratosphere descent of polar NOX. Geophysical Research Letters, 2006, 33, . | 1.5 | 39 |
| 190 | Sunset transition of negative charge in the D-region ionosphere during high-ionization conditions. Annales Geophysicae, 2006, 24, 187-202. | 0.6 | 16 |
| 191 | The atmospheric implications of radiation belt remediation. Annales Geophysicae, 2006, 24, 2025-2041. | 0.6 | 20 |
| 192 | Detection efficiency of the VLF World-Wide Lightning Location Network (WWLLN): initial case study. Annales Geophysicae, 2006, 24, 3197-3214. | 0.6 | 239 |
| 193 | REMOTE SENSING OF THE UPPER ATMOSPHERE BY VLF. , 2006, , 167-190. | | 18 |
| 194 | Identifying power line harmonic radiation from an electrical network. Annales Geophysicae, 2005, 23, 2107-2116. | 0.6 | 6 |
| 195 | Lightning driven inner radiation belt energy deposition into the atmosphere: regional and global estimates. Annales Geophysicae, 2005, 23, 3419-3430. | 0.6 | 13 |
| 196 | Location accuracy of VLF World-Wide Lightning Location (WWLL) network: Post-algorithm upgrade. Annales Geophysicae, 2005, 23, 277-290. | 0.6 | 128 |
| 197 | Large solar flares and their ionosphericDregion enhancements. Journal of Geophysical Research, 2005, 110, . | 3.3 | 131 |
| 198 | Space shuttle observation of an unusual transient atmospheric emission. Geophysical Research Letters, 2005, 32, . | 1.5 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Modeling a large solar proton event in the southern polar atmosphere. Journal of Geophysical Research, 2005, 110, . | 3.3 | 41 |
| 200 | Diurnal variation of ozone depletion during the October-November 2003 solar proton events. Journal of Geophysical Research, 2005, 110, . | 3.3 | 147 |
| 201 | The impact of PMSE and NLC particles on VLF propagation. Annales Geophysicae, 2004, 22, 1563-1574. | 0.6 | 3 |
| 202 | Location accuracy of long distance VLF lightning locationnetwork. Annales Geophysicae, 2004, 22, 747-758. | 0.6 | 110 |
| 203 | WWLL global lightning detection system: Regional validation study in Brazil. Geophysical Research Letters, 2004, 31, . | 1.5 | 141 |
| 204 | Ionosphere gives size of greatest solar flare. Geophysical Research Letters, 2004, 31, n/a-n/a. | 1.5 | 104 |
| 205 | Testing the importance of precipitation loss mechanisms in the inner radiation belt. Geophysical Research Letters, 2004, 31, n/a-n/a. | 1.5 | 16 |
| 206 | Radiation belt electron precipitation fluxes associated with lightning. Journal of Geophysical Research, 2004, 109, . | 3.3 | 17 |
| 207 | Investigating radiation belt losses though numerical modelling of precipitating fluxes. Annales Geophysicae, 2004, 22, 3657-3667. | 0.6 | 9 |
| 208 | Subionospheric VLF perturbations associated with lightning discharges. Journal of Atmospheric and Solar-Terrestrial Physics, 2003, 65, 591-606. | 0.6 | 69 |
| 209 | Significance of lightning-generated whistlers to inner radiation belt electron lifetimes. Journal of Geophysical Research, 2003, 108, . | 3.3 | 53 |
| 210 | Correction to â€œAre whistler ducts created by thunderstorm electrostatic fields?â€•by C. J. Rodger et al.. Journal of Geophysical Research, 2002, 107, SIA 1-1. | 3.3 | 4 |
| 211 | 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 |
| 212 | Validation of single-station lightning location technique. Radio Science, 2002, 37, 12-1-12-9. | 0.8 | 17 |
| 213 | Inner radiation belt electron lifetimes due to whistler-induced electron precipitation (WEP) driven losses. Geophysical Research Letters, 2002, 29, 30-1-30-4. | 1.5 | 17 |
| 214 | Determining the size of lightning-induced electron precipitation patches. Journal of Geophysical Research, 2002, 107, SIA 10-1-SIA 10-11. | 3.3 | 32 |
| 215 | Dregion reflection height modification by whistler-induced electron precipitation. Journal of Geophysical Research, 2002, 107, SIA 18-1. | 3.3 | 10 |
| 216 | VLF lightning location by time of group arrival (TOGA) at multiple sites. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 817-830. | 0.6 | 287 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Decay of whistler-induced electron precipitation and cloud-ionosphere electrical discharge Trimpis: Observations and analysis. Radio Science, 2001, 36, 151-169. | 0.8 | 16 |
| 218 | Lower ionospheric modification by lightning-EMP: Simulation of the night ionosphere over the United States. Geophysical Research Letters, 2001, 28, 199-202. | 1.5 | 60 |
| 219 | Total solar eclipse effects on VLF signals: Observations and modeling. Radio Science, 2001, 36, 773-788. | 0.8 | 86 |
| 220 | Investigating the possible association between thunderclouds and plasmaspheric ducts. Journal of Geophysical Research, 2001, 106, 29771-29781. | 3.3 | 8 |
| 221 | A quantitative estimate of the ducted whistler power within the outer plasmasphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 61-74. | 0.6 | 12 |
| 222 | Lightning atmospherics count rates observed at Halley, Antarctica. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 993-1003. | 0.6 | 5 |
| 223 | Minimum sprite plasma density as determined by VLF scattering. IEEE Antennas and Propagation Magazine, 2001, 43, 12-24. | 1.2 | 21 |
| 224 | ELF and VLF radio waves. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 1689-1718. | 0.6 | 217 |
| 225 | Is magnetospheric line radiation man-made?. Journal of Geophysical Research, 2000, 105, 15981-15990. | 3.3 | 30 |
| 226 | Temporal properties of magnetospheric line radiation. Journal of Geophysical Research, 2000, 105, 329-336. | 3.3 | 24 |
| 227 | Sprite observations in the Northern Territory of Australia. Journal of Geophysical Research, 2000, 105, 4689-4697. | 3.3 | 36 |
| 228 | Modeling the relaxation of red sprite plasma. Geophysical Research Letters, 1999, 26, 3293-3296. | 1.5 | 18 |
| 229 | Magnetospheric line radiation observations at Halley, Antarctica. Journal of Geophysical Research, 1999, 104, 17441-17447. | 3.3 | 20 |
| 230 | Investigating seismoionospheric effects on a long subionospheric path. Journal of Geophysical Research, 1999, 104, 28171-28179. | 3.3 | 54 |
| 231 | Red sprites, upward lightning, and VLF perturbations. Reviews of Geophysics, 1999, 37, 317-336. | 9.0 | 155 |
| 232 | VLF scattering from red sprites: Application of numerical modeling. Radio Science, 1999, 34, 923-932. | 0.8 | 18 |
| 233 | VLF scattering from red sprites: Vertical columns of ionization in the Earth-ionosphere waveguide. Radio Science, 1999, 34, 913-921. | 0.8 | 19 |
| 234 | Sunrise effects on VLF signals propagating over a long north-south path. Radio Science, 1999, 34, 939-948. | 0.8 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Modeling of subionospheric VLF signal perturbations associated with earthquakes. Radio Science, 1999, 34, 1177-1185. | 0.8 | 28 |
| 236 | VLF scattering from Red Spritesâ€"Theory. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 755-763. | 0.6 | 17 |
| 237 | Logarithmic decay and Doppler shift of plasma associated with sprites. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 741-753. | 0.6 | 21 |
| 238 | Scattering of VLF from an experimentally described sprite. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 765-769. | 0.6 | 19 |
| 239 | Are whistler ducts created by thunderstorm electrostatic fields?. Journal of Geophysical Research, 1998, 103, 2163-2169. | 3.3 | 17 |
| 240 | Radiating conducting columns inside the Earthâ€"ionosphere waveguide: Application to red sprites. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 1177-1204. | 0.6 | 5 |
| 241 | Measurements of the VLF scattering pattern of the structured plasma of red sprites. IEEE Antennas and Propagation Magazine, 1998, 40, 29-38. | 1.2 | 28 |
| 242 | Position determination of red sprites by scattering of VLF subionospheric transmissions. Geophysical Research Letters, 1998, 25, 281-284. | 1.5 | 5 |
| 243 | Relaxation of transient ionization in the lower ionosphere. Journal of Geophysical Research, 1998, 103, 6969-6975. | 3.3 | 56 |
| 244 | Testing the formulation of Park and Dejnakarintra to calculate thunderstorm dc electric fields. Journal of Geophysical Research, 1998, 103, 2171-2178. | 3.3 | 11 |
| 245 | A vertical-plasma-slab model for determining the lower limit to plasma density in sprite columns from VLF scatter measurements. IEEE Antennas and Propagation Magazine, 1997, 39, 44-53. | 1.2 | 8 |
| 246 | Electromagnetic scattering from a group of thin conducting cylinders. Radio Science, 1997, 32, 907-912. | 0.8 | 17 |
| 247 | Temporal evolution of very strong Trimpis observed at Darwin, Australia. Geophysical Research Letters, 1997, 24, 2419-2422. | 1.5 | 33 |
| 248 | Decay of a vertical plasma column: A model to explain VLF sprites. Geophysical Research Letters, 1997, 24, 2765-2768. | 1.5 | 23 |
| 249 | A search for ELF/VLF activity associated with earthquakes using ISIS satellite data. Journal of Geophysical Research, 1996, 101, 13369-13378. | 3.3 | 30 |
| 250 | The structure of red sprites determined by VLF scattering. IEEE Antennas and Propagation Magazine, 1996, 38, 7-15. | 1.2 | 35 |
| 251 | VLF line radiation observed by satellite. Journal of Geophysical Research, 1995, 100, 5681. | 3.3 | 41 |
| 252 | VLF scattering from red sprites: vertical columns of ionisation in the Earth-ionosphere waveguide. , 0, , . | | 1 |