# J Michael Ruohoniemi

List of Publications by Year
in descending order



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| 190 papers | 7,569 citations | 50276 46 h-index | 64796 79 g-index |

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|---|---|---|---|
| 200 all docs | 200 docs citations | 200 times ranked | 2614 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Unsteady Magnetopause Reconnection Under Quasiâ€Steady Solar Wind Driving. Geophysical Research Letters, 2022, 49, . | 4.0 | 7 |
| 2 | Multiâ€Scale Density Structures in the Plasmaspheric Plume During a Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2022, 127, . | 2.4 | 6 |
| 3 | First Observations of Large Scale Traveling Ionospheric Disturbances Using Automated Amateur Radio Receiving Networks. Geophysical Research Letters, 2022, 49, . | 4.0 | 13 |
| 4 | Driving Influences of the Doppler Flash Observed by SuperDARN HF Radars in Response to Solar Flares. Journal of Geophysical Research: Space Physics, 2022, 127, . | 2.4 | 4 |
| 5 | Interaction Between Proton Aurora and Stable Auroral Red Arcs Unveiled by Citizen Scientist Photographs. Journal of Geophysical Research: Space Physics, 2022, 127, . | 2.4 | 4 |
| 6 | Observations and Modeling Studies of Solar Eclipse Effects on Oblique High Frequency Radio Propagation. Space Weather, 2021, 19, e2020SW002560. | 3.7 | 1 |
| 7 | Ionospheric Sluggishness: A Characteristic Timeâ€Lag of the Ionospheric Response to Solar Flares. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028813. | 2.4 | 7 |
| 8 | Simultaneous Development of Multiple Auroral Substorms: Double Auroral Bulge Formation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028883. | 2.4 | 1 |
| 9 | Dayside Cusp Aurorae and Ionospheric Convection Under Radial Interplanetary Magnetic Fields. Journal of Geophysical Research: Space Physics, 2021, 126, e2019JA027664. | 2.4 | 3 |
| 10 | Evolution of Midâ€latitude Density Irregularities and Scintillation in North America During the 7â€“8 September 2017 Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029192. | 2.4 | 19 |
| 11 | Geospace Plume and Its Impact on Dayside Magnetopause Reconnection Rate. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029117. | 2.4 | 7 |
| 12 | Characterization of Highâ€m ULF Wave Signatures in GPS TEC Data. Geophysical Research Letters, 2021, 48, e2021GL094282. | 4.0 | 6 |
| 13 | The Role of Flareâ€Driven Ionospheric Electron Density Changes on the Doppler Flash Observed by SuperDARN HF Radars. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029300. | 2.4 | 4 |
| 14 | A Modeling Framework for Estimating Ionospheric HF Absorption Produced by Solar Flares. Radio Science, 2021, 56, e2021RS007285. | 1.6 | 6 |
| 15 | An Examination of Magnetosphereâ€Ionosphere Influences During a SAPS Event. Geophysical Research Letters, 2021, 48, e2021GL095751. | 4.0 | 4 |
| 16 | Multiresolution Modeling of Highâ€Latitude Ionospheric Electric Field Variability and Impact on Joule Heating Using SuperDARN Data. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029196. | 2.4 | 4 |
| 17 | Probabilistic Short-wave Fadeout Detection in SuperDARN Time Series Observations. , 2021, , . | | 1 |
| 18 | Association Between EMIC Wave Occurrence and Enhanced Convection Periods During Ion Injections. Geophysical Research Letters, 2020, 47, e2019GL085676. | 4.0 | 12 |

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| 19 | Dayside Polar Cap Density Enhancements Formed During Substorms. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028101. | 2.4 | 2 |
| 20 | Multipoint Conjugate Observations of Dayside ULF Waves During an Extended Period of Radial IMF. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028364. | 2.4 | 13 |
| 21 | Bistatic Observations With SuperDARN HF Radars: First Results. Radio Science, 2020, 55, e2020RS007121. | 1.6 | 5 |
| 22 | A Deep Learningâ€Based Approach for Modeling the Dynamics of AMPERE Birkeland Currents. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027908. | 2.4 | 7 |
| 23 | First Observation of Ionospheric Convection From the Jiamusi HF Radar During a Strong Geomagnetic Storm. Earth and Space Science, 2020, 7, e2019EA000911. | 2.6 | 14 |
| 24 | Direct Observations of a Polar Cap Patch Formation Associated With Dayside Reconnection Driven Fast Flow. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027745. | 2.4 | 5 |
| 25 | Sluggishness of the Ionosphere: Characteristic time-lag in Response to Solar Flares. , 2020, , . | | 0 |
| 26 | Storm-time convection dynamics viewed from optical auroras. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 193, 105088. | 1.6 | 0 |
| 27 | A Study of SuperDARN Response to Coâ€occurring Space Weather Phenomena. Space Weather, 2019, 17, 1351-1363. | 3.7 | 19 |
| 28 | Response of Thermospheric Nightglow Emissions Over the Magnetic Equator to Prompt Penetration Electric Field Events. Journal of Geophysical Research: Space Physics, 2019, 124, 5918-5935. | 2.4 | 5 |
| 29 | A Deep Learningâ€Based Approach to Forecast the Onset of Magnetic Substorms. Space Weather, 2019, 17, 1534-1552. | 3.7 | 15 |
| 30 | Review of the accomplishments of mid-latitude Super Dual Auroral Radar Network (SuperDARN) HF radars. Progress in Earth and Planetary Science, 2019, 6, . | 3.0 | 114 |
| 31 | Local time extent of magnetopause reconnection using spaceâ€“ground coordination. Annales Geophysicae, 2019, 37, 215-234. | 1.6 | 11 |
| 32 | Morphology of Nightside Subauroral Ionospheric Convection: Monthly, Seasonal, Kp, and IMF Dependencies. Journal of Geophysical Research: Space Physics, 2019, 124, 4608-4626. | 2.4 | 2 |
| 33 | Global Diagnostics of Ionospheric Absorption During Xâ€Ray Solar Flares Based on 8â€•to 20â€MHz Noise Measured by Overâ€theâ€Horizon Radars. Space Weather, 2019, 17, 907-924. | 3.7 | 10 |
| 34 | Multiâ€instrument Observations of Mesoscale Enhancement of Subauroral Polarization Stream Associated With an Injection. Journal of Geophysical Research: Space Physics, 2019, 124, 1770-1784. | 2.4 | 11 |
| 35 | Statistical Study of Nightside Quiet Time Midlatitude Ionospheric Convection. Journal of Geophysical Research: Space Physics, 2018, 123, 2228-2240. | 2.4 | 9 |
| 36 | Spreading Speed of Magnetopause Reconnection Xâ€Lines Using Groundâ€Satellite Coordination. Geophysical Research Letters, 2018, 45, 80-89. | 4.0 | 18 |

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| 37 | Experimental Evidence on the Dependence of the Standard GPS Phase Scintillation Index on the Ionospheric Plasma Drift Around Noon Sector of the Polar Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 2370-2378. | 2.4 | 35 |
| 38 | Characterization of Shortâ€Wave Fadeout Seen in Daytime SuperDARN Ground Scatter Observations. Radio Science, 2018, 53, 472-484. | 1.6 | 34 |
| 39 | Longitudinal Development of Poleward Boundary Intensifications (PBIs) of Auroral Emission. Journal of Geophysical Research: Space Physics, 2018, 123, 9005-9021. | 2.4 | 5 |
| 40 | Longâ€Lasting Poloidal ULF Waves Observed by Multiple Satellites and Highâ€Latitude SuperDARN Radars. Journal of Geophysical Research: Space Physics, 2018, 123, 8422-8438. | 2.4 | 36 |
| 41 | Recent Developments in Our Knowledge of Inner Magnetosphereâ€Ionosphere Convection. Journal of Geophysical Research: Space Physics, 2018, 123, 7276-7282. | 2.4 | 4 |
| 42 | Purple Auroral Rays and Global Pc1 Pulsations Observed at the CIRâ€Associated Solar Wind Density Enhancement on 21 March 2017. Geophysical Research Letters, 2018, 45, 10,819. | 4.0 | 4 |
| 43 | Substormâ€Associated Ionospheric Flow Fluctuations During the 27 March 2017 Magnetic Storm: SuperDARNâ€Arase Conjunction. Geophysical Research Letters, 2018, 45, 9441-9449. | 4.0 | 9 |
| 44 | Examining the Potential of the Super Dual Auroral Radar Network for Monitoring the Space Weather Impact of Solar Xâ€Ray Flares. Space Weather, 2018, 16, 1348-1362. | 3.7 | 23 |
| 45 | Survey of Ionospheric Pc3â€5 ULF Wave Signatures in SuperDARN High Time Resolution Data. Journal of Geophysical Research: Space Physics, 2018, 123, 4215-4231. | 2.4 | 20 |
| 46 | Temporal and Spatial Variations of Storm Time Midlatitude Ionospheric Trough Based on Global GNSSâ€TEC and Arase Satellite Observations. Geophysical Research Letters, 2018, 45, 7362-7370. | 4.0 | 17 |
| 47 | Investigating Upper Atmospheric Joule Heating Using Crossâ€Combination of Data for Two Moderate Substorm Cases. Space Weather, 2018, 16, 987-1012. | 3.7 | 14 |
| 48 | A New Empirical Model of the Subauroral Polarization Stream. Journal of Geophysical Research: Space Physics, 2018, 123, 7342-7357. | 2.4 | 16 |
| 49 | PFISR observation of intense ion upflow fluxes associated with an SED during the 1 June 2013 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2017, 122, 2589-2604. | 2.4 | 19 |
| 50 | Role of IMF B<sub>y</sub> in the prompt electric field disturbances over equatorial ionosphere during a space weather event. Journal of Geophysical Research: Space Physics, 2017, 122, 2574-2588. | 2.4 | 17 |
| 51 | The magnetic storms of 3â€“4 August 2010 and 5â€“6 August 2011: 1. Groundâ€and spaceâ€based observations. Journal of Geophysical Research: Space Physics, 2017, 122, 3487-3499. | 2.4 | 9 |
| 52 | Statistical characterization of the largeâ€scale structure of the subauroral polarization stream. Journal of Geophysical Research: Space Physics, 2017, 122, 6035-6048. | 2.4 | 42 |
| 53 | Simultaneous space and groundâ€based observations of a plasmaspheric virtual resonance. Journal of Geophysical Research: Space Physics, 2017, 122, 4190-4209. | 2.4 | 8 |
| 54 | Influence of Auroral Streamers on Rapid Evolution of Ionospheric SAPS Flows. Journal of Geophysical Research: Space Physics, 2017, 122, 12,406. | 2.4 | 27 |

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| 55 | RISRâ€N observations of the IMF B y influence on reverse convection during extreme northward IMF. Journal of Geophysical Research: Space Physics, 2017, 122, 3707-3720. | 2.4 | 4 |
| 56 | Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network. Earth, Planets and Space, 2017, 69, . | 2.5 | 74 |
| 57 | The geomagnetic storm time response of GPS total electron content in the North American sector. Journal of Geophysical Research: Space Physics, 2016, 121, 1744-1759. | 2.4 | 41 |
| 58 | HF radar observations of a quasiâ€biennial oscillation in midlatitude mesospheric winds. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,677. | 3.3 | 6 |
| 59 | Satelliteâ€beacon Ionosphericâ€scintillation Global Model of the upper Atmosphere (SIGMA) II: Inverse modeling with highâ€latitude observations to deduce irregularity physics. Journal of Geophysical Research: Space Physics, 2016, 121, 9188-9203. | 2.4 | 26 |
| 60 | Polar cap patch transportation beyond the classic scenario. Journal of Geophysical Research: Space Physics, 2016, 121, 9063-9074. | 2.4 | 24 |
| 61 | Inverse energy dispersion of energetic ions observed in the magnetosheath. Geophysical Research Letters, 2016, 43, 7338-7347. | 4.0 | 5 |
| 62 | The 17 March 2013 storm: Synergy of observations related to electric field modes and their ionospheric and magnetospheric Effects. Journal of Geophysical Research: Space Physics, 2016, 121, 10,880. | 2.4 | 27 |
| 63 | Earth's ion upflow associated with polar cap patches: Global and in situ observations. Geophysical Research Letters, 2016, 43, 1845-1853. | 4.0 | 34 |
| 64 | Localized field-aligned currents in the polar cap associated with airglow patches. Journal of Geophysical Research: Space Physics, 2016, 121, 10,172-10,189. | 2.4 | 14 |
| 65 | An evidence for prompt electric field disturbance driven by changes in the solar wind density under northward IMF B<sub>z</sub> condition. Journal of Geophysical Research: Space Physics, 2016, 121, 4800-4810. | 2.4 | 8 |
| 66 | GPS phase scintillation at high latitudes during the geomagnetic storm of 17â€“18 March 2015. Journal of Geophysical Research: Space Physics, 2016, 121, 10,448. | 2.4 | 49 |
| 67 | Investigation of the role of plasma wave cascading processes in the formation of midlatitude irregularities utilizing GPS and radar observations. Radio Science, 2016, 51, 836-851. | 1.6 | 15 |
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| 69 | Localized polar cap flow enhancement tracing using airglow patches: Statistical properties, IMF dependence, and contribution to polar cap convection. Journal of Geophysical Research: Space Physics, 2015, 120, 4064-4078. | 2.4 | 33 |
| 70 | Direct observations of the full Dungey convection cycle in the polar ionosphere for southward interplanetary magnetic field conditions. Journal of Geophysical Research: Space Physics, 2015, 120, 4519-4530. | 2.4 | 61 |
| 71 | Observations of storm time midlatitude ionâ€neutral coupling using SuperDARN radars and NATION Fabryâ€Perot interferometers. Journal of Geophysical Research: Space Physics, 2015, 120, 8989-9003. | 2.4 | 14 |
| 72 | Azimuthal flow bursts in the inner plasma sheet and possible connection with SAPS and plasma sheet earthward flow bursts. Journal of Geophysical Research: Space Physics, 2015, 120, 5009-5021. | 2.4 | 34 |

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| 73 | Using patchy pulsating aurora to remote sense magnetospheric convection. Geophysical Research Letters, 2015, 42, 5083-5089. | 4.0 | 23 |
| 74 | Multiâ€instrument, highâ€resolution imaging of polar cap patch transportation. Radio Science, 2015, 50, 904-915. | 1.6 | 12 |
| 75 | Stimulated Brillouin scattering during electron gyro-harmonic heating at EISCAT. Annales Geophysicae, 2015, 33, 983-990. | 1.6 | 20 |
| 76 | Dense plasma and Kelvinâ€Helmholtz waves at Earth's dayside magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 5560-5573. | 2.4 | 24 |
| 77 | Polar cap precursor of nightside auroral oval intensifications using polar cap arcs. Journal of Geophysical Research: Space Physics, 2015, 120, 10,698-10,711. | 2.4 | 14 |
| 78 | Highâ€latitude thermospheric wind observations and simulations with SuperDARN data driven NCAR TIEGCM during the December 2006 magnetic storm. Journal of Geophysical Research: Space Physics, 2015, 120, 6021-6028. | 2.4 | 16 |
| 79 | Identification of the plasma instabilities responsible for mid-latitude decameter-scale ionospheric irregularities. , 2015, , . | | 0 |
| 80 | GPS phase scintillation at high latitudes during geomagnetic storms of 7â€“17 March 2012 â€“ Part 2: Interhemispheric comparison. Annales Geophysicae, 2015, 33, 657-670. | 1.6 | 16 |
| 81 | GPS phase scintillation at high latitudes during geomagnetic storms of 7â€“17 March 2012 â€“ Part 1: The North American sector. Annales Geophysicae, 2015, 33, 637-656. | 1.6 | 21 |
| 82 | Investigation of sudden electron density depletions observed in the dusk sector by the Poker Flat, Alaska incoherent scatter radar in summer. Journal of Geophysical Research: Space Physics, 2014, 119, 10,608. | 2.4 | 7 |
| 83 | Investigation of the generation source of decameter-scale sub-auroral ionospheric irregularities during geomagnetically quiet periods. , 2014, , . | | 1 |
| 84 | An examination of the source of decameter-scale irregularities in the geomagnetically disturbed mid-latitude ionosphere. , 2014, , . | | 1 |
| 85 | Ionospheric flow structures associated with auroral beading at substorm auroral onset. Journal of Geophysical Research: Space Physics, 2014, 119, 9150-9159. | 2.4 | 18 |
| 86 | Investigation of temperature gradient instability as the source of mid-latitude decameter-scale quiet-time ionospheric irregularities. , 2014, , . | | 1 |
| 87 | Investigation of the temperature gradient instability as the source of midlatitude quiet time decameterâ€scale ionospheric irregularities: 1. Observations. Journal of Geophysical Research: Space Physics, 2014, 119, 4872-4881. | 2.4 | 8 |
| 88 | Investigation of the temperature gradient instability as the source of midlatitude quiet time decameterâ€scale ionospheric irregularities: 2. Linear analysis. Journal of Geophysical Research: Space Physics, 2014, 119, 4882-4893. | 2.4 | 19 |
| 89 | Remote sensing of sea ice cover using SuperDARN HF radars. , 2014, , . | | 0 |
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| 91 | Dayâ€•night coupling by a localized flow channel visualized by polar cap patch propagation. Geophysical Research Letters, 2014, 41, 3701-3709. | 4.0 | 65 |
| 92 | Statistical relationships between enhanced polar cap flows and PBIs. Journal of Geophysical Research: Space Physics, 2014, 119, 151-162. | 2.4 | 36 |
| 93 | Coordinated SuperDARN THEMIS ASI observations of mesoscale flow bursts associated with auroral streamers. Journal of Geophysical Research: Space Physics, 2014, 119, 142-150. | 2.4 | 58 |
| 94 | On the generation/decay of the stormâ€•enhanced density plumes: Role of the convection flow and fieldâ€•aligned ion flow. Journal of Geophysical Research: Space Physics, 2014, 119, 8543-8559. | 2.4 | 74 |
| 95 | Multi-instrument observations of storm-enhanced density during geomagnetic storms. , 2014, , . | | 0 |
| 96 | Temporal and spatial dynamics of the regions 1 and 2 Birkeland currents during substorms. Journal of Geophysical Research: Space Physics, 2013, 118, 3007-3016. | 2.4 | 52 |
| 97 | On the influence of open magnetic flux on substorm intensity: Groundâ€•and spaceâ€•based observations. Journal of Geophysical Research: Space Physics, 2013, 118, 2958-2969. | 2.4 | 35 |
| 98 | Direct observations of the role of convection electric field in the formation of a polar tongue of ionization from storm enhanced density. Journal of Geophysical Research: Space Physics, 2013, 118, 1180-1189. | 2.4 | 93 |
| 99 | A realistic radar data simulator for the Super Dual Auroral Radar Network. Radio Science, 2013, 48, 283-288. | 1.6 | 6 |
| 100 | A comparison of SuperDARN ACF fitting methods. Radio Science, 2013, 48, 274-282. | 1.6 | 31 |
| 101 | Ion gyroâ€•harmonic structuring in the stimulated radiation spectrum and optical emissions during electron gyroâ€•harmonic heating. Journal of Geophysical Research: Space Physics, 2013, 118, 1270-1287. | 2.4 | 29 |
| 102 | On the spatial distribution of decameterâ€’scale subauroral ionospheric irregularities observed by SuperDARN radars. Journal of Geophysical Research: Space Physics, 2013, 118, 5244-5254. | 2.4 | 22 |
| 103 | Direct Observations of the Evolution of Polar Cap Ionization Patches. Science, 2013, 339, 1597-1600. | 12.6 | 111 |
| 104 | Multiâ€•instrument observations of SED during 24â€“25 October 2011 storm: Implications for SED formation processes. Journal of Geophysical Research: Space Physics, 2013, 118, 7798-7809. | 2.4 | 53 |
| 105 | Westward traveling surges: Sliding along boundary arcs and distinction from onset arc brightening. Journal of Geophysical Research: Space Physics, 2013, 118, 7643-7653. | 2.4 | 17 |
| 106 | An examination of interâ€•hemispheric conjugacy in a subauroral polarization stream. Journal of Geophysical Research, 2012, 117, . | 3.3 | 29 |
| 107 | A survey of plasma irregularities as seen by the midlatitude Blackstone SuperDARN radar. Journal of Geophysical Research, 2012, 117, . | 3.3 | 25 |
| 108 | Largeâ€•scale observations of a subauroral polarization stream by midlatitude SuperDARN radars: Instantaneous longitudinal velocity variations. Journal of Geophysical Research, 2012, 117, . | 3.3 | 51 |

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| 109 | Twoâ€dimensional ionospheric flow pattern associated with auroral streamers. Journal of Geophysical Research, 2012, 117, . | 3.3 | 24 |
| 110 | Dynamics of the region 1 Birkeland current oval derived from the Active Magnetosphere and Planetary Electrodynamics Response Experiment (AMPERE). Journal of Geophysical Research, 2012, 117, . | 3.3 | 75 |
| 111 | Modeling of a twin terminated folded dipole antenna for the Super Dual Auroral Radar Network (SuperDARN). , 2011, , . | | 11 |
| 112 | ULF wave characteristics at geosynchronous orbit during the recovery phase of geomagnetic storms associated with strong electron acceleration. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 6 |
| 113 | First observations of the midlatitude evening anomaly using Super Dual Auroral Radar Network (SuperDARN) radars. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 19 |
| 114 | EMIC waves observed at geosynchronous orbit during solar minimum: Statistics and excitation. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 54 |
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| 116 | Possible connection of polar cap flows to pre- and post-substorm onset PBIs and streamers. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 61 |
| 117 | A new approach for identifying ionospheric backscatter in midlatitude SuperDARN HF radar observations. Radio Science, 2011, 46, . | 1.6 | 35 |
| 118 | Winds and tides in the mid-latitude Southern Hemisphere upper mesosphere recorded with the Falkland Islands SuperDARN radar. Annales Geophysicae, 2011, 29, 1985-1996. | 1.6 | 18 |
| 119 | Monitoring ionospheric space weather with the Super Dual Auroral Radar Network (SuperDARN). , 2010, , . | | 2 |
| 120 | Climatological patterns of highâ€latitude convection in the Northern and Southern hemispheres: Dipole tilt dependencies and interhemispheric comparisons. Journal of Geophysical Research, 2010, 115, . | 3.3 | 118 |
| 121 | Spherical cap harmonic analysis of Super Dual Auroral Radar Network (SuperDARN) observations for generating maps of ionospheric convection. Journal of Geophysical Research, 2010, 115, . | 3.3 | 16 |
| 122 | Spatial distribution of average vorticity in the highâ€latitude ionosphere and its variation with interplanetary magnetic field direction and season. Journal of Geophysical Research, 2009, 114, . | 3.3 | 24 |
| 123 | On the coupling between the Harang reversal evolution and substorm dynamics: A synthesis of SuperDARN, DMSP, and IMAGE observations. Journal of Geophysical Research, 2009, 114, . | 3.3 | 64 |
| 124 | First radar measurements of ionospheric electric fields at subâ€second temporal resolution. Geophysical Research Letters, 2008, 35, . | 4.0 | 13 |
| 125 | Polar rain gradients and fieldâ€aligned polar cap potentials. Journal of Geophysical Research, 2008, 113, . | 3.3 | 12 |
| 126 | Nightside flow enhancement associated with solar wind dynamic pressure driven reconnection. Journal of Geophysical Research, 2008, 113, . | 3.3 | 11 |

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| 127 | Global observations of electromagnetic and particle energy flux for an event during northern winter with southward interplanetary magnetic field. Annales Geophysicae, 2008, 26, 1415-1430. | 1.6 | 11 |
| 128 | Dayside reconnection enhancement resulting from a solar wind dynamic pressure increase. Journal of Geophysical Research, 2007, 112, n/a-n/a. | 3.3 | 41 |
| 129 | Observations of ionospheric convection from the Wallops SuperDARN radar at middle latitudes. Journal of Geophysical Research, 2007, 112, n/a-n/a. | 3.3 | 55 |
| 130 | Observations of Pi2 pulsations by the Wallops HF radar in association with substorm expansion. Geophysical Research Letters, 2007, 34, . | 4.0 | 15 |
| 131 | The quasi-two-day wave studied using the Northern Hemisphere SuperDARN HF radars. Annales Geophysicae, 2007, 25, 1767-1778. | 1.6 | 22 |
| 132 | A decade of the Super Dual Auroral Radar Network (SuperDARN): scientific achievements, new techniques and future directions. Surveys in Geophysics, 2007, 28, 33-109. | 4.6 | 554 |
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| 135 | Ionospheric signatures of internal reconnection for northward interplanetary magnetic field: Observation of â€œreciprocal cellsâ€•and magnetosheath ion precipitation. Journal of Geophysical Research, 2006, 111, . | 3.3 | 17 |
| 136 | Storm-time penetration electric fields and their effects. Eos, 2006, 87, 131. | 0.1 | 38 |
| 137 | First observations of the temporal/spatial variation of the sub-auroral polarization stream from the SuperDARN Wallops HF radar. Geophysical Research Letters, 2006, 33, . | 4.0 | 70 |
| 138 | Identification of the temperature gradient instability as the source of decameter-scale ionospheric irregularities on plasmapause field lines. Geophysical Research Letters, 2006, 33, n/a-n/a. | 4.0 | 34 |
| 139 | IMF effect on sporadic-E layers at two northern polar cap sites: Part II â€“ Electric field. Annales Geophysicae, 2006, 24, 901-913. | 1.6 | 4 |
| 140 | IMF effect on sporadic-E layers at two northern polar cap sites: Part I â€“ Statistical study. Annales Geophysicae, 2006, 24, 887-900. | 1.6 | 4 |
| 141 | Comparison of SuperDARN radar boundaries with DMSP particle precipitation boundaries. Journal of Geophysical Research, 2005, 110, . | 3.3 | 28 |
| 142 | Observations of ionospheric plasma flows within theta auroras. Journal of Geophysical Research, 2005, 110, . | 3.3 | 16 |
| 143 | Dependencies of high-latitude plasma convection: Consideration of interplanetary magnetic field, seasonal, and universal time factors in statistical patterns. Journal of Geophysical Research, 2005, 110, . | 3.3 | 233 |
| 144 | Solar wind AlfvÃ©n waves: a source of pulsed ionospheric convection and atmospheric gravity waves. Annales Geophysicae, 2005, 23, 401-417. | 1.6 | 19 |

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| 146 | Conjugate comparison of Super Dual Auroral Radar Network and Cluster electron drift instrument measurements ofEÃ—Bplasma drift. Journal of Geophysical Research, 2004, 109, . | 3.3 | 7 |
| 147 | Maps of precipitation by source region, binned by IMF, with inertial convection streamlines. Journal of Geophysical Research, 2004, 109, . | 3.3 | 97 |
| 148 | Testing the Hill model of transpolar potential with Super Dual Auroral Radar Network observations. Geophysical Research Letters, 2003, 30, 2-1-2-4. | 4.0 | 112 |
| 149 | Observations of dayside convection reduction leading to substorm onset. Journal of Geophysical Research, 2003, 108, . | 3.3 | 41 |
| 150 | Substorm associated changes in the highâ€latitude ionospheric convection. Geophysical Research Letters, 2003, 30, . | 4.0 | 16 |
| 151 | Direct measurements of the ionospheric convection variability near the cusp/throat. Geophysical Research Letters, 2003, 30, . | 4.0 | 25 |
| 152 | Ring current intensification and convection-driven negative bays: Multisatellite studies. Journal of Geophysical Research, 2003, 108, . | 3.3 | 10 |
| 153 | OVATION: Oval variation, assessment, tracking, intensity, and online nowcasting. Annales Geophysicae, 2002, 20, 1039-1047. | 1.6 | 54 |
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| 155 | Global ULF disturbances during a stormtime substorm on 25 September 1998. Journal of Geophysical Research, 2002, 107, SMP 40-1-SMP 40-11. | 3.3 | 41 |
| 156 | Dawn and dusk sector comparisons of small-scale irregularities, convection, and particle precipitation in the high-latitude ionosphere. Journal of Geophysical Research, 2002, 107, SIA 1-1. | 3.3 | 10 |
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| 158 | Ionospheric response to the interplanetary magnetic field southward turning: Fast onset and slow reconfiguration. Journal of Geophysical Research, 2002, 107, SIA 2-1-SIA 2-9. | 3.3 | 49 |
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