

Harald Frey

List of Publications by Year in descending order

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Version: 2024-02-01

256
papers

9,558
citations

41258

49
h-index

51492

86
g-index

262
all docs

262
docs citations

262
times ranked

3670
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Proton Aurora and Optical Emissions in the Subauroral Region. <i>Space Science Reviews</i> , 2021, 217, 1. | 3.7 | 18 |
| 2 | Simultaneous Development of Multiple Auroral Substorms: Double Auroral Bulge Formation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028883. | 0.8 | 1 |
| 3 | The Onset of a Substorm and the Mating Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029492. | 0.8 | 6 |
| 4 | First Results From the Retrieved Column O/N ₂ Ratio From the Ionospheric Connection Explorer (ICON): Evidence of the Impacts of Nonmigrating Tides. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029575. | 0.8 | 7 |
| 5 | Cosmic Noise Absorption Characteristics during the Impulse-Induced Supersubstorm of 21st January 2005. , 2021, , . | | 0 |
| 6 | First ICONâ€FUV Nighttime NmF2 and hmF2 Comparison to Ground and Spaceâ€Based Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029360. | 0.8 | 11 |
| 7 | Conjugate Photoelectron Energy Spectra Derived From Coincident FUV and Radio Measurements. <i>Geophysical Research Letters</i> , 2021, 48, . | 1.5 | 5 |
| 8 | Experimental Validation of N2 Emission Ratios in Altitude Profiles of Observed Sprites. <i>Frontiers in Earth Science</i> , 2021, 9, . | 0.8 | 2 |
| 9 | Global Propagation of Magnetospheric Pc5 ULF Waves Driven by Foreshock Transients. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028411. | 0.8 | 28 |
| 10 | Daily Variability in the Terrestrial UV Airglow. <i>Atmosphere</i> , 2020, 11, 1046. | 1.0 | 4 |
| 11 | Simultaneous Observations of Polewardâ€Moving Auroral Forms at the Equatorward and Poleward Boundaries of the Auroral Oval in Antarctica. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027646. | 0.8 | 2 |
| 12 | Aurora in the Polar Cap: A Review. <i>Space Science Reviews</i> , 2020, 216, 1. | 3.7 | 33 |
| 13 | The 2â€ Structure of Foreshockâ€Driven Field Line Resonances Observed by THEMIS Satellite and Groundâ€Based Imager Conjunctions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6792-6811. | 0.8 | 20 |
| 14 | Dayside Aurora. <i>Space Science Reviews</i> , 2019, 215, 1. | 3.7 | 29 |
| 15 | Correction to: Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based all-sky images. <i>Earth, Planets and Space</i> , 2019, 71, . | 0.9 | 0 |
| 16 | The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9. | 3.7 | 332 |
| 17 | On the Role of Ionospheric Ions in Sawtooth Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 665-684. | 0.8 | 8 |
| 18 | Daytime O/N2 Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). <i>Space Science Reviews</i> , 2018, 214, 1. | 3.7 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018, 554, 337-340. | 13.7 | 149 |
| 20 | Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based all-sky images. <i>Earth, Planets and Space</i> , 2018, 70, 73. | 0.9 | 9 |
| 21 | Inferring Nighttime Ionospheric Parameters with the Far Ultraviolet Imager Onboard the Ionospheric Connection Explorer. <i>Space Science Reviews</i> , 2018, 214, 1. | 3.7 | 20 |
| 22 | The Ionospheric Connection Explorer Mission: Mission Goals and Design. <i>Space Science Reviews</i> , 2018, 214, 1. | 3.7 | 152 |
| 23 | The leading role of atomic oxygen in the collocation of elves and hydroxyl nightglow in the low-latitude mesosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5550-5567. | 0.8 | 7 |
| 24 | Identifying the evolution of Southern Hemisphere poleward moving auroral forms (PMAFs) in the context of plasma convection and magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4037-4050. | 0.8 | 3 |
| 25 | Time-Delay Integration Imaging with ICON's Far-Ultraviolet Imager. <i>Space Science Reviews</i> , 2017, 212, 715-730. | 3.7 | 5 |
| 26 | Calibration and testing of wide-field UV instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6907-6921. | 0.8 | 2 |
| 27 | The Far Ultra-Violet Imager on the Icon Mission. <i>Space Science Reviews</i> , 2017, 212, 655-696. | 3.7 | 39 |
| 28 | V-UV spectrographic imager (FUV) for Icon mission: from optical design to vacuum calibration. , 2017, , . | | 0 |
| 29 | Dynamic effects of restoring footpoint symmetry on closed magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3963-3977. | 0.8 | 24 |
| 30 | Investigation of triggering of poleward moving auroral forms using satellite-imager coordinated observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,929. | 0.8 | 15 |
| 31 | The Imager for Sprites and Upper Atmospheric Lightning (ISUAL). <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8134-8145. | 0.8 | 23 |
| 32 | Stepwise tailward retreat of magnetic reconnection: THEMIS observations of an auroral substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4548-4568. | 0.8 | 9 |
| 33 | Source of the dayside cusp aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7728-7738. | 0.8 | 15 |
| 34 | The Alfvénic surge at substorm onset/expansion and the formation of Inverted Vs Cluster and IMAGE observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3978-4004. | 0.8 | 14 |
| 35 | Optical design and optical properties of a VUV spectrographic imager for ICON mission. <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 3 |
| 36 | Analysis of close conjunctions between dayside polar cap airglow patches and flow channels by all-sky imager and DMSP. <i>Earth, Planets and Space</i> , 2016, 68, . | 0.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Alignment and calibration of the ICON-FUV instrument: development of a vacuum UV facility. , 2016, , . | | 1 |
| 38 | Identifying the occurrence of lightning and transient luminous events by nadir spectrophotometric observation. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 145, 85-97. | 0.6 | 12 |
| 39 | Hemispheric differences in the response of the upper atmosphere to the August 2011 geomagnetic storm: A simulation study. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 141, 13-26. | 0.6 | 12 |
| 40 | VUV optical ground system equipment and its application to the ICON FUV flight grating characterization and selection. Proceedings of SPIE, 2016, , . | 0.8 | 1 |
| 41 | Electric Current Circuits in Astrophysics. Space Sciences Series of ISSI, 2016, , 3-57. | 0.0 | 0 |
| 42 | Temporal and radiometric statistics on lightning flashes observed from space with the ISUAL spectrophotometer. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7586-7598. | 1.2 | 6 |
| 43 | Further evidence for a connection between auroral kilometric radiation and ground-level signals measured in Antarctica. Journal of Geophysical Research: Space Physics, 2015, 120, 2061-2075. | 0.8 | 9 |
| 44 | An interpretation of spacecraft and ground based observations of multiple omega band events. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 133, 185-204. | 0.6 | 20 |
| 45 | A comprehensive survey of atmospheric quasi 3-day planetary-scale waves and their impacts on the day-to-day variations of the equatorial ionosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 2979-2992. | 0.8 | 21 |
| 46 | The August 2011 URSI World Day campaign: Initial results. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 134, 47-55. | 0.6 | 3 |
| 47 | Electric Current Circuits in Astrophysics. Space Science Reviews, 2015, 188, 3-57. | 3.7 | 16 |
| 48 | Automated determination of auroral breakup during the substorm expansion phase using all-sky imager data. Journal of Geophysical Research: Space Physics, 2014, 119, 1414-1427. | 0.8 | 5 |
| 49 | Solar filament impact on 21 January 2005: Geospace consequences. Journal of Geophysical Research: Space Physics, 2014, 119, 5401-5448. | 0.8 | 20 |
| 50 | Field line resonances as a trigger and a tracer for substorm onset. Journal of Geophysical Research: Space Physics, 2014, 119, 5343-5363. | 0.8 | 23 |
| 51 | Magnetosphere-ionosphere coupling of global Pi2 pulsations. Journal of Geophysical Research: Space Physics, 2014, 119, 2717-2739. | 0.8 | 14 |
| 52 | Strong ionospheric field-aligned currents for radial interplanetary magnetic fields. Journal of Geophysical Research: Space Physics, 2014, 119, 3979-3995. | 0.8 | 12 |
| 53 | Low-altitude electron acceleration due to multiple flow bursts in the magnetotail. Geophysical Research Letters, 2014, 41, 777-784. | 1.5 | 7 |
| 54 | Role and origin of the poleward Alfvénic arc. Journal of Geophysical Research: Space Physics, 2014, 119, 2945-2962. | 0.8 | 15 |

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|----|---|-----|-----------|
| 55 | Inner magnetospheric onset preceding reconnection and tail dynamics during substorms: Can substorms initiate in two different regions?. Journal of Geophysical Research: Space Physics, 2014, 119, 9684-9701. | 0.8 | 21 |
| 56 | In situ spatiotemporal measurements of the detailed azimuthal substructure of the substorm current wedge. Journal of Geophysical Research: Space Physics, 2014, 119, 927-946. | 0.8 | 49 |
| 57 | Sub-oval proton aurora spots: Mapping relatively to the plasmapause. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 99, 61-66. | 0.6 | 20 |
| 58 | Localized dayside proton aurora at high latitudes. Journal of Geophysical Research: Space Physics, 2013, 118, 3157-3164. | 0.8 | 2 |
| 59 | Dayside auroral hiss observed at South Pole Station. Journal of Geophysical Research: Space Physics, 2013, 118, 1220-1230. | 0.8 | 7 |
| 60 | Ground and satellite observations of low-latitude red auroras at the initial phase of magnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 256-270. | 0.8 | 17 |
| 61 | Comparison of drift velocities of nighttime equatorial plasma depletions with ambient plasma drifts and thermospheric neutral winds. Journal of Geophysical Research: Space Physics, 2013, 118, 7360-7368. | 0.8 | 4 |
| 62 | Impacts of atmospheric ultrafast Kelvin waves on radio scintillations in the equatorial ionosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 885-891. | 0.8 | 16 |
| 63 | Ionization emissions associated with N ² + band in halos without visible sprite streamers. Journal of Geophysical Research: Space Physics, 2013, 118, 5317-5326. | 0.8 | 17 |
| 64 | Interplanetary shock-induced current sheet disturbances leading to auroral activations: THEMIS observations. Journal of Geophysical Research: Space Physics, 2013, 118, 3173-3187. | 0.8 | 16 |
| 65 | Secondary gigantic jets as possible inducers of sprites. Geophysical Research Letters, 2013, 40, 1462-1467. | 1.5 | 6 |
| 66 | The detailed spatial structure of field-aligned currents comprising the substorm current wedge. Journal of Geophysical Research: Space Physics, 2013, 118, 7714-7727. | 0.8 | 63 |
| 67 | Sensitivity Degradation of ISUAL Instruments and Its Impact on Observations. Terrestrial, Atmospheric and Oceanic Sciences, 2012, 23, 71. | 0.3 | 7 |
| 68 | Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. Annales Geophysicae, 2012, 30, 1025-1035. | 0.6 | 59 |
| 69 | Birth and life of auroral arcs embedded in the evening auroral oval convection: A critical comparison of observations with theory. Journal of Geophysical Research, 2012, 117, . | 3.3 | 16 |
| 70 | Inner plasma structure of the low-latitude reconnection layer. Journal of Geophysical Research, 2012, 117, . | 3.3 | 9 |
| 71 | Auroral streamers implication for the substorm progression on September 14, 2004. Planetary and Space Science, 2012, 71, 119-124. | 0.9 | 4 |
| 72 | ULF waves and discrete aurora. Journal of Geophysical Research, 2012, 117, . | 3.3 | 11 |

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|----|---|-----|-----------|
| 73 | Occurrence of elves and lightning during El Niño and La Niña. Geophysical Research Letters, 2012, 39, . | 1.5 | 18 |
| 74 | Plasma pressure generated auroral current system: A case study. Geophysical Research Letters, 2012, 39, . | 1.5 | 4 |
| 75 | The correlation of ULF waves and auroral intensity before, during and after substorm expansion phase onset. Journal of Geophysical Research, 2012, 117, . | 3.3 | 22 |
| 76 | Tailward leap of multiple expansions of the plasma sheet during a moderately intense substorm: THEMIS observations. Journal of Geophysical Research, 2012, 117, . | 3.3 | 8 |
| 77 | The double auroral oval in the dusk-midnight sector: Formation, mapping and dynamics. Journal of Geophysical Research, 2012, 117, . | 3.3 | 6 |
| 78 | Full-kinetic elve model simulations and their comparisons with the ISUAL observed events. Journal of Geophysical Research, 2012, 117, . | 3.3 | 11 |
| 79 | Characteristics and generation of secondary jets and secondary gigantic jets. Journal of Geophysical Research, 2012, 117, . | 3.3 | 13 |
| 80 | Flux transport, dipolarization, and current sheet evolution during a double-onset substorm. Journal of Geophysical Research, 2011, 116, . | 3.3 | 35 |
| 81 | The 762 nm emissions of sprites. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 10 |
| 82 | Far tail (255 R _E) fast response to very weak magnetic activity. Journal of Geophysical Research, 2011, 116, . | 3.3 | 3 |
| 83 | Observations of a high-latitude stable electron auroral emission at ~ 16 MLT during a large substorm. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 5 |
| 84 | Magnetopause reconnection across wide local time. Annales Geophysicae, 2011, 29, 1683-1697. | 0.6 | 57 |
| 85 | Substorm triggering by poleward boundary intensification and related equatorward propagation. Journal of Geophysical Research, 2011, 116, . | 3.3 | 50 |
| 86 | Dipolarization fronts in the magnetotail plasma sheet. Planetary and Space Science, 2011, 59, 517-525. | 0.9 | 73 |
| 87 | Extended Magnetic Reconnection across the Dayside Magnetopause. Physical Review Letters, 2011, 107, 025004. | 2.9 | 41 |
| 88 | ISUAL multi-band observations of elves. , 2011, , . | | 0 |
| 89 | Modelling of spacecraft spin period during eclipse. Annales Geophysicae, 2011, 29, 875-882. | 0.6 | 6 |
| 90 | Observations of an auroral streamer in a double oval configuration. Annales Geophysicae, 2011, 29, 701-716. | 0.6 | 3 |

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| 91 | Brightening of onset arc precedes the dipolarization onset: THEMIS observations of two events on 1 March 2008. <i>Annales Geophysicae</i> , 2011, 29, 2045-2059. | 0.6 | 7 |
| 92 | Interplanetary magnetic field rotations followed from L1 to the ground: the response of the Earth's magnetosphere as seen by multi-spacecraft and ground-based observations. <i>Annales Geophysicae</i> , 2011, 29, 1549-1569. | 0.6 | 7 |
| 93 | Relation between sudden increases in the solar wind dynamic pressure, auroral proton flashes, and geomagnetic pulsations in the Pc1 range. <i>Geomagnetism and Aeronomy</i> , 2010, 50, 568-575. | 0.2 | 6 |
| 94 | Absolute optical energy of sprites and its relationship to charge moment of parent lightning discharge based on measurement by ISUAL/AP. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 18 |
| 95 | Controlling synoptic-scale factors for the distribution of transient luminous events. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 17 |
| 96 | Gigantic jets with negative and positive polarity streamers. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 45 |
| 97 | ISUAL far-ultraviolet events, elves, and lightning current. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 38 |
| 98 | Distribution of O ⁺ ions in the plasma sheet and locations of substorm onsets. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 3 |
| 99 | Interhemispheric observations of emerging polar cap asymmetries. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 23 |
| 100 | Link between EMIC waves in a plasmaspheric plume and a detached subauroral proton arc with observations of Cluster and IMAGE satellites. <i>Geophysical Research Letters</i> , 2010, 37, . | 1.5 | 61 |
| 101 | Evidence for a flux transfer event generated by multiple X-line reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2010, 37, . | 1.5 | 126 |
| 102 | Plasma flow during the brightening of proton aurora in the cusp. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 4 |
| 103 | Seasonal and interplanetary magnetic field-dependent polar cap contraction during substorm expansion phase. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 12 |
| 104 | Correction to "Precursor activation and substorm expansion associated with observations of a dipolarization front by Thermal Emission Imaging System (THEMIS)". <i>Journal of Geophysical Research</i> , 2010, 115, n/a-n/a. | 3.3 | 0 |
| 105 | Comment on "Substorm triggering by new plasma intrusion: THEMIS all-sky imager observations" by Y. Nishimura et al.. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 13 |
| 106 | Small and meso-scale properties of a substorm onset auroral arc. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 29 |
| 107 | Timing and location of substorm onsets from THEMIS satellite and ground based observations. <i>Annales Geophysicae</i> , 2009, 27, 2813-2830. | 0.6 | 26 |
| 108 | Spatial distributions of electromagnetic field variations and injection regions during the 20 November 2007 sawtooth event. <i>Annales Geophysicae</i> , 2009, 27, 3825-3840. | 0.6 | 1 |

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| 109 | Observations of Earth space by self-powered stations in Antarctica. <i>Review of Scientific Instruments</i> , 2009, 80, 124501. | 0.6 | 11 |
| 110 | On the Global Occurrence and Impacts of Transient Luminous Events (TLEs)., 2009, , . | | 16 |
| 111 | Response to Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009, 324, 1391-1391. | 6.0 | 45 |
| 112 | Boundary layer plasma flows from high-latitude reconnection in the summer hemisphere for northward IMF: THEMIS multi-point observations. <i>Geophysical Research Letters</i> , 2009, 36, . | 1.5 | 4 |
| 113 | Estimating lightning current moment waveforms from satellite optical measurements. <i>Geophysical Research Letters</i> , 2009, 36, . | 1.5 | 15 |
| 114 | Reply to comment by K. Liou and Y.-L. Zhang on "Wavelet-based ULF wave diagnosis of substorm expansion phase onset". <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 9 |
| 115 | Statistical study of substorm timing sequence. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 22 |
| 116 | Proton aurora related to intervals of pulsations of diminishing periods. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 30 |
| 117 | Coordinated observation of the dayside magnetospheric entry and exit of the THEMIS satellites with ground-based auroral imaging in Antarctica. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 9 |
| 118 | PENGUIn multi-instrument observations of dayside high-latitude injections during the 23 March 2007 substorm. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 8 |
| 119 | Wavelet-based ULF wave diagnosis of substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 40 |
| 120 | Cluster observations and numerical modeling of energy-dispersed ionospheric H ⁺ ions bouncing at the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 3 |
| 121 | Timing and localization of near-Earth tail and ionospheric signatures during a substorm onset. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 22 |
| 122 | Assessment of sprite initiating electric fields and quenching altitude of 10^{11} state of N ² using sprite streamer modeling and ISUAL spectrophotometric measurements. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 30 |
| 123 | Discharge processes, electric field, and electron energy in ISUAL-recorded gigantic jets. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 73 |
| 124 | Simultaneous ground-satellite optical observations of postnoon shock aurora in the Southern Hemisphere. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 9 |
| 125 | Timing and localization of ionospheric signatures associated with substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 58 |
| 126 | A state-of-the-art picture of substorm-associated evolution of the near-Earth magnetotail obtained from superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 107 |

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|-----|---|-----|-----------|
| 127 | Near-Earth initiation of a terrestrial substorm. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 60 |
| 128 | The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. , 2009, , 357-387. | | 17 |
| 129 | Magnetospheric solitary structure maintained by 3000 km/s ions as a cause of westward moving auroral bulge at 19 MLT. <i>Annales Geophysicae</i> , 2009, 27, 2947-2969. | 0.6 | 6 |
| 130 | The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. <i>Space Science Reviews</i> , 2008, 141, 357-387. | 3.7 | 274 |
| 131 | Identification of sources of Pc1 geomagnetic pulsations on the basis of proton aurora observations. <i>Cosmic Research</i> , 2008, 46, 335-338. | 0.2 | 5 |
| 132 | Observation of isolated high-speed auroral streamers and their interpretation as optical signatures of Alfvén waves generated by bursty bulk flows. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 9 |
| 133 | Relation of substorm onset to Harang discontinuity. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 25 |
| 134 | Local field-aligned currents in the magnetotail and ionosphere as observed by a Cluster, Double Star, and MIRACLE conjunction. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 10 |
| 135 | Intensification of preexisting auroral arc at substorm expansion phase onset: Wave-like disruption during the first tens of seconds. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 126 |
| 136 | Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 89 |
| 137 | Highly periodic stormtime activations observed by THEMIS prior to substorm onset. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 3 |
| 138 | Conjugate observations of ENA signals in the high-altitude cusp and proton auroral spot in the low-altitude cusp with IMAGE spacecraft. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 7 |
| 139 | Evidence for subauroral proton flashes on the dayside as the result of the ion cyclotron interaction. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 37 |
| 140 | Global distributions and occurrence rates of transient luminous events. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 186 |
| 141 | Multipoint in situ and ground-based observations during auroral intensifications. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 22 |
| 142 | Rice Convection Model simulation of the 18 April 2002 sawtooth event and evidence for interchange instability. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 21 |
| 143 | Multispacecraft and ground-based observations of substorm timing and activations: Two case studies. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 21 |
| 144 | Electric fields and electron energies in sprites and temporal evolutions of lightning charge moment. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 234010. | 1.3 | 40 |

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|-----|---|-----|-----------|
| 145 | Radiative emission and energy deposition in transient luminous events. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 234014. | 1.3 | 51 |
| 146 | Tail Reconnection Triggering Substorm Onset. <i>Science</i> , 2008, 321, 931-935. | 6.0 | 551 |
| 147 | Ionospheric signatures during a magnetospheric flux rope event. <i>Annales Geophysicae</i> , 2008, 26, 3967-3977. | 0.6 | 3 |
| 148 | Multi-instrumentation observations of a transpolar arc in the northern hemisphere. <i>Annales Geophysicae</i> , 2008, 26, 201-210. | 0.6 | 25 |
| 149 | Observed tail current systems associated with bursty bulk flows and auroral streamers during a period of multiple substorms. <i>Annales Geophysicae</i> , 2008, 26, 167-184. | 0.6 | 35 |
| 150 | Localized aurora beyond the auroral oval. <i>Reviews of Geophysics</i> , 2007, 45, . | 9.0 | 98 |
| 151 | TC-1 observations of flux pileup and dipolarization-associated expansion in the near-Earth magnetotail during substorms. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 30 |
| 152 | Determination of substorm onset timing and location using the THEMIS ground based observatories. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 21 |
| 153 | Halos generated by negative cloud-to-ground lightning. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 58 |
| 154 | A method for determining the drift velocity of plasma depletions in the equatorial ionosphere using far-ultraviolet spacecraft observations. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 20 |
| 155 | Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r/i = 4.6 R/i _E$. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 40 |
| 156 | Modeling elves observed by FORMOSAT-2 satellite. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 59 |
| 157 | Subauroral proton spots visualize the Pc1 source. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 74 |
| 158 | Demeter high resolution observations of the ionospheric thermal plasma response to magnetospheric energy input during the magnetic storm of November 2004. <i>Annales Geophysicae</i> , 2007, 25, 2503-2511. | 0.6 | 6 |
| 159 | Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007, 25, 1709-1720. | 0.6 | 36 |
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