

Ondrej Santolik

List of Publications by Year in descending order

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344
papers

11,876
citations

28190
55
h-index

40881
93
g-index

389
all docs

389
docs citations

389
times ranked

3600
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Frontal Thunderstorm With Several Multi-Cell Lines Found to Produce Energetic Preliminary Breakdown. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, . | 1.2 | 1 |
| 2 | Interferometric imaging of intensely radiating negative leaders. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 15 |
| 3 | Lightning activity in northern Europe during a stormy winter: disruptions of weather patterns originating in global climate phenomena. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3379-3389. | 1.9 | 2 |
| 4 | LOFAR Observations of Lightning Initial Breakdown Pulses. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 11 |
| 5 | Quantifying the Sheath Impedance of the Electric Double Probe Instrument on the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 0.8 | 10 |
| 6 | Juno Plasma Wave Observations at Ganymede. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 13 |
| 7 | The Angular Distribution of Lower Band Chorus Waves Near Plasmaspheric Plumes. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 11 |
| 8 | Power Line Harmonic Radiation Observed by the Van Allen Probes Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 0.8 | 3 |
| 9 | Properties of AKR-Like Emissions Recorded by the Low Altitude Satellite DEMETER During 6.5 Years. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 0.8 | 3 |
| 10 | Continental thunderstorm ground enhancement observed at an exceptionally low altitude. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7959-7973. | 1.9 | 3 |
| 11 | Alpha Transmitter Signals Observed by the Van Allen Probes: Ducted Versus Nonducted Propagation. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 0 |
| 12 | Collaborative Research Activities of the Arase and Van Allen Probes. <i>Space Science Reviews</i> , 2022, 218, . | 3.7 | 10 |
| 13 | First Observations of Elves and Their Causative Very Strong Lightning Discharges in an Unusual Small-Scale Continental Spring-Time Thunderstorm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, . | 1.2 | 6 |
| 14 | Scattering by whistler-mode waves during a quiet period perturbed by substorm activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 215, 105471. | 0.6 | 10 |
| 15 | Signatures of large peak current lightning strokes during an unusually intense sprite-producing thunderstorm in southern England. <i>Atmospheric Research</i> , 2021, 249, 105357. | 1.8 | 8 |
| 16 | Occurrence of EMIC Waves in the Magnetosphere According to Their Distance to the Magnetopause. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090921. | 1.5 | 9 |
| 17 | The Initial Stage of Cloud Lightning Imaged in High-Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033126. | 1.2 | 20 |
| 18 | Multievent Study of Characteristics and Propagation of Naturally Occurring ELF/VLF Waves Using High-Latitude Ground Observations and Conjunctions With the Arase Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028682. | 0.8 | 3 |

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|----|---|-----|-----------|
| 19 | Doppler Shifted Alpha Transmitter Signals in the Conjugate Hemisphere: DEMETER Spacecraft Observations and Raytracing Modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029017. | 0.8 | 6 |
| 20 | Observations and Simulations of Dropout Events and Flux Decays in October 2013: Comparing MEO Equatorial With LEO Polar Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028850. | 0.8 | 21 |
| 21 | Observations of whistler mode waves by Solar Orbiter's RPW Low Frequency Receiver (LFR): In-flight performance and first results. <i>Astronomy and Astrophysics</i> , 2021, 656, A17. | 2.1 | 6 |
| 22 | A distinct negative leader propagation mode. <i>Scientific Reports</i> , 2021, 11, 16256. | 1.6 | 9 |
| 23 | Measurability of the Nonlinear Response of Electron Distribution Function to Chorus Emissions in the Earth's Radiation Belt. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029624. | 0.8 | 6 |
| 24 | Inter-Calibrated Measurements of Intense Whistlers by Arase and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029700. | 0.8 | 6 |
| 25 | First-year ion-acoustic wave observations in the solar wind by the RPW/TDS instrument on board Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, A14. | 2.1 | 13 |
| 26 | Quasiperiodic Emissions and Related Particle Precipitation Bursts Observed by the DEMETER Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029621. | 0.8 | 2 |
| 27 | The Faraday rotation effect in Saturn Kilometric Radiation observed by the CASSINI spacecraft. <i>Icarus</i> , 2021, 370, 114661. | 1.1 | 0 |
| 28 | Whistler waves observed by Solar Orbiter/RPW between 0.5 AU and 1 AU. <i>Astronomy and Astrophysics</i> , 2021, 656, A24. | 2.1 | 19 |
| 29 | First observations and performance of the RPW instrument on board the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2021, 656, A41. | 2.1 | 9 |
| 30 | Automatic detection of atmospheric and tweek atmospheric in radio spectrograms based on a deep learning approach. <i>Earth and Space Science</i> , 2021, 8, e2021EA002007. | 1.1 | 1 |
| 31 | Analysis of Whistler-Mode and Z-Mode Emission in the Juno Primary Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029885. | 0.8 | 5 |
| 32 | Multi-Point Observation of Hiss Emerging From Lightning Whistlers. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029524. | 0.8 | 3 |
| 33 | Early-Time Non-Equilibrium Pitch Angle Diffusion of Electrons by Whistler-Mode Hiss in a Plasmaspheric Plume Associated with BARREL Precipitation. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, . | 1.1 | 6 |
| 34 | A Model of the Subpacket Structure of Rising Tone Chorus Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028094. | 0.8 | 16 |
| 35 | Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088432. | 1.5 | 34 |
| 36 | High-Spatiotemporal Resolution Observations of Jupiter Lightning-Induced Radio Pulses Associated With Sferics and Thunderstorms. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088397. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Spatial Extent of Quasiperiodic Emissions Simultaneously Observed by Arase and Van Allen Probes on 29 November 2018. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028126. | 0.8 | 8 |
| 38 | Two Propagation Scenarios of Isolated Breakdown Lightning Processes in Failed Negative Cloud-to-Ground Flashes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090593. | 1.5 | 4 |
| 39 | Fine Harmonic Structure of Equatorial Noise with a Quasiperiodic Modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027509. | 0.8 | 4 |
| 40 | Frequency Dependence of Very Low Frequency Chorus Poynting Flux in the Source Region: THEMIS Observations and a Model. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL086958. | 1.5 | 8 |
| 41 | Conjugate Observations of Quasiperiodic Emissions by the Van Allen Probes Spacecraft and Ground-Based Station Kannuslehto. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027793. | 0.8 | 9 |
| 42 | Whistler Mode Quasiperiodic Emissions: Contrasting Van Allen Probes and DEMETER Occurrence Rates. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027918. | 0.8 | 5 |
| 43 | Localization of the Source of Quasiperiodic VLF Emissions in the Magnetosphere by Using Simultaneous Ground and Space Observations: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027776. | 0.8 | 15 |
| 44 | A Multi-Instrument Approach to Determining the Source Region Extent of EEP-Driven EMIC Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086599. | 1.5 | 10 |
| 45 | Ground and Space Signatures of VLF Noise Suppression by Whistlers. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027430. | 0.8 | 3 |
| 46 | The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12. | 2.1 | 80 |
| 47 | How whistler mode hiss waves and the plasmasphere drive the quiet decay of radiation belts electrons following a geomagnetic storm. <i>Journal of Physics: Conference Series</i> , 2020, 1623, 012005. | 0.3 | 8 |
| 48 | EMIC Waves Converted From Equatorial Noise Due to $M/Q = 2$ Ions in the Plasmasphere: Observations From Van Allen Probes and Arase. <i>Geophysical Research Letters</i> , 2019, 46, 5662-5669. | 1.5 | 31 |
| 49 | Quasiperiodic ELF/VLF Emissions Detected Onboard the DEMETER Spacecraft: Theoretical Analysis and Comparison With Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5278-5288. | 0.8 | 8 |
| 50 | Multi-Instrument Observation of Nonlinear EMIC-Driven Electron Precipitation at sub-MeV Energies. <i>Geophysical Research Letters</i> , 2019, 46, 7248-7257. | 1.5 | 30 |
| 51 | Lightning Contribution to Overall Whistler Mode Wave Intensities in the Plasmasphere. <i>Geophysical Research Letters</i> , 2019, 46, 8607-8616. | 1.5 | 17 |
| 52 | The Role of Intense Upper Hybrid Resonance Emissions in the Generation of Saturn Narrowband Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5709-5718. | 0.8 | 7 |
| 53 | Wave Polarization Analyzed by Singular Value Decomposition of the Spectral Matrix in the Presence of Noise. <i>Surveys in Geophysics</i> , 2019, 40, 39-69. | 2.1 | 23 |
| 54 | Effects of Ducting on Whistler Mode Chorus or Exohiss in the Outer Radiation Belt. <i>Geophysical Research Letters</i> , 2019, 46, 5735-5745. | 1.5 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Evidence for low density holes in Jupiter's ionosphere. <i>Nature Communications</i> , 2019, 10, 2751. | 5.8 | 4 |
| 56 | Statistical Characteristics of Ionospheric Hiss Waves. <i>Geophysical Research Letters</i> , 2019, 46, 7147-7156. | 1.5 | 13 |
| 57 | Dependence of Properties of Magnetospheric Line Radiation and Quasiperiodic Emissions on Solar Wind Parameters and Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2552. | 0.8 | 7 |
| 58 | Direct Measurement of Low-Energy Electron Foreshock Beams. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2380-2392. | 0.8 | 5 |
| 59 | Van Allen Probes Observations of Chorus Wave Vector Orientations: Implications for the Chorus-Hiss Mechanism. <i>Geophysical Research Letters</i> , 2019, 46, 2337-2346. | 1.5 | 36 |
| 60 | Statistical Survey of the Terrestrial Bow Shock Observed by the Cluster Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1539-1547. | 0.8 | 13 |
| 61 | VLF Emissions With Banded Structure in the 16 to 39 kHz Frequency Range Measured by a High-Latitude Ground-Based Receiver. <i>Geophysical Research Letters</i> , 2019, 46, 14214-14222. | 1.5 | 2 |
| 62 | RESPONSE OF THE CZECH RMN NETWORK TO THUNDERSTORM ACTIVITY. <i>Radiation Protection Dosimetry</i> , 2019, 186, 215-218. | 0.4 | 3 |
| 63 | Observations and Fokker-Planck Simulations of the L -Shell, Energy, and Pitch Angle Structure of Earth's Electron Radiation Belts During Quiet Times. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1125-1142. | 0.8 | 37 |
| 64 | Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind. <i>Astrophysical Journal</i> , 2018, 857, 82. | 1.6 | 38 |
| 65 | First Observation of Lion Roar Emission in Saturn's Magnetosheath. <i>Geophysical Research Letters</i> , 2018, 45, 486-492. | 1.5 | 5 |
| 66 | Particle simulation of electromagnetic emissions from electrostatic instability driven by an electron ring beam on the density gradient. <i>Physics of Plasmas</i> , 2018, 25, . | 0.7 | 10 |
| 67 | Lightning initiation: Strong pulses of VHF radiation accompany preliminary breakdown. <i>Scientific Reports</i> , 2018, 8, 3650. | 1.6 | 20 |
| 68 | VESPA: A community-driven Virtual Observatory in Planetary Science. <i>Planetary and Space Science</i> , 2018, 150, 65-85. | 0.9 | 28 |
| 69 | Shock deceleration in interplanetary coronal mass ejections (ICMEs) beyond Mercury's orbit until one AU. <i>Journal of Space Weather and Space Climate</i> , 2018, 8, A54. | 1.1 | 6 |
| 70 | Special issue "Geospace exploration by the ERG mission". <i>Earth, Planets and Space</i> , 2018, 70, . | 0.9 | 0 |
| 71 | Plasmaspheric Hiss: Coherent and Intense. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,009. | 0.8 | 20 |
| 72 | Plasmaspheric Plumes and EMIC Rising Tone Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9443-9452. | 0.8 | 12 |

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|----|---|------|-----------|
| 73 | Equatorial Noise With Quasiperiodic Modulation: Multipoint Observations by the Van Allen Probes Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4809-4819. | 0.8 | 4 |
| 74 | Quasiperiodic Whistler Mode Emissions Observed by the Van Allen Probes Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8969-8982. | 0.8 | 18 |
| 75 | Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. <i>Geophysical Research Letters</i> , 2018, 45, 9372-9379. | 1.5 | 21 |
| 76 | Selective Attenuation of Lightning-Generated Whistlers at Extralow Frequencies: DEMETER Spacecraft Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8631-8640. | 0.8 | 1 |
| 77 | Detailed Properties of Equatorial Noise With Quasiperiodic Modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5344-5355. | 0.8 | 3 |
| 78 | Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2605-2619. | 0.8 | 50 |
| 79 | Longitudinal Dependence of Whistler Mode Electromagnetic Waves in the Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6562-6575. | 0.8 | 13 |
| 80 | Jupiter Lightning-Induced Whistler and Sferic Events With Waves and MWR During Juno Perijoves. <i>Geophysical Research Letters</i> , 2018, 45, 7268-7276. | 1.5 | 11 |
| 81 | Determining Plasmaspheric Densities from Observations of Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6679-6691. | 0.8 | 13 |
| 82 | Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. <i>Nature Astronomy</i> , 2018, 2, 544-548. | 4.2 | 27 |
| 83 | Prevalent lightning sferics at 600 megahertz near Jupiter's poles. <i>Nature</i> , 2018, 558, 87-90. | 13.7 | 52 |
| 84 | Whistler Influence on the Overall Very Low Frequency Wave Intensity in the Upper Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5648-5660. | 0.8 | 10 |
| 85 | Simulation of VLF chorus emissions in the magnetosphere and comparison with THEMIS spacecraft data. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 166-184. | 0.8 | 39 |
| 86 | Source of the low-altitude hiss in the ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 2060-2069. | 1.5 | 30 |
| 87 | An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4420-4429. | 0.8 | 24 |
| 88 | Effects of whistler mode hiss waves in March 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7433-7462. | 0.8 | 50 |
| 89 | Unusual Electromagnetic Signatures of European North Atlantic Winter Thunderstorms. <i>Scientific Reports</i> , 2017, 7, 13948. | 1.6 | 7 |
| 90 | Examining Coherency Scales, Substructure, and Propagation of Whistler Mode Chorus Elements With Magnetospheric Multiscale (MMS). <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,201. | 0.8 | 18 |

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|-----|--|-----|-----------|
| 91 | Line radiation events induced by very low frequency transmitters observed by the DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2017, 122, 7226-7239. | 0.8 | 7 |
| 92 | Observation of ionospherically reflected quasiperiodic emissions by the DEMETER spacecraft. Geophysical Research Letters, 2017, 44, 8721-8729. | 1.5 | 13 |
| 93 | Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. Geophysical Research Letters, 2017, 44, 11,265. | 1.5 | 96 |
| 94 | A model of preliminary breakdown pulse peak currents and their relation to the observed electric field pulses. Geophysical Research Letters, 2017, 44, 596-603. | 1.5 | 9 |
| 95 | Conjugate Ground-Spacecraft Observations of VLF Chorus Elements. Geophysical Research Letters, 2017, 44, 11,735. | 1.5 | 20 |
| 96 | Chorus and chorus-like emissions seen by the ionospheric satellite DEMETER. Journal of Geophysical Research: Space Physics, 2016, 121, 3781-3792. | 0.8 | 12 |
| 97 | Cluster observations of reflected EMIC-triggered emission. Geophysical Research Letters, 2016, 43, 4164-4171. | 1.5 | 12 |
| 98 | New chorus wave properties near the equator from Van Allen Probes wave observations. Geophysical Research Letters, 2016, 43, 4725-4735. | 1.5 | 100 |
| 99 | Spatial distribution of Langmuir waves observed upstream of Saturn's bow shock by Cassini. Journal of Geophysical Research: Space Physics, 2016, 121, 7771-7784. | 0.8 | 6 |
| 100 | Using the cold plasma dispersion relation and whistler mode waves to quantify the antenna sheath impedance of the Van Allen Probes EFW instrument. Journal of Geophysical Research: Space Physics, 2016, 121, 4590-4606. | 0.8 | 33 |
| 101 | Reproducing the observed energy-dependent structure of Earth's electron radiation belts during storm recovery with an event-specific diffusion model. Geophysical Research Letters, 2016, 43, 5616-5625. | 1.5 | 71 |
| 102 | ELF/VLF wave propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A. Journal of Geophysical Research: Space Physics, 2016, 121, 5384-5393. | 0.8 | 36 |
| 103 | Conjugate observations of a remarkable quasiperiodic event by the low-altitude DEMETER spacecraft and ground-based instruments. Journal of Geophysical Research: Space Physics, 2016, 121, 8790-8803. | 0.8 | 31 |
| 104 | Poynting vector and wave vector directions of equatorial chorus. Journal of Geophysical Research: Space Physics, 2016, 121, 11,912. | 0.8 | 18 |
| 105 | Propagation of equatorial noise to low altitudes: Decoupling from the magnetosonic mode. Geophysical Research Letters, 2016, 43, 6694-6704. | 1.5 | 47 |
| 106 | Equatorial noise emissions with a quasiperiodic modulation observed by DEMETER at harmonics of the O ⁺ ion gyrofrequency. Journal of Geophysical Research: Space Physics, 2016, 121, 10,289-10,302. | 0.8 | 7 |
| 107 | Equatorial noise emissions observed by the DEMETER spacecraft during geomagnetic storms. Journal of Geophysical Research: Space Physics, 2016, 121, 9744-9757. | 0.8 | 7 |
| 108 | Conjugate observations of quasiperiodic emissions by the Cluster, Van Allen Probes, and THEMIS spacecraft. Journal of Geophysical Research: Space Physics, 2016, 121, 7647-7663. | 0.8 | 19 |

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|-----|---|-----|-----------|
| 109 | Van Allen Probes, THEMIS, GOES, and Cluster observations of EMIC waves, ULF pulsations, and an electron flux dropout. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1990-2008. | 0.8 | 15 |
| 110 | Hiss or equatorial noise? Ambiguities in analyzing suprathermal ion plasma wave resonance. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9619-9631. | 0.8 | 3 |
| 111 | Propagation properties of quasiperiodic VLF emissions observed by the DEMETER spacecraft. <i>Geophysical Research Letters</i> , 2016, 43, 1007-1014. | 1.5 | 23 |
| 112 | Source region and growth analysis of narrowband Z-mode emission at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,929. | 0.8 | 14 |
| 113 | The Sun and heliosphere explorer – the Interhelioprobe mission. <i>Geomagnetism and Aeronomy</i> , 2016, 56, 781-841. | 0.2 | 23 |
| 114 | Subionospheric propagation and peak currents of preliminary breakdown pulses before negative cloud-to-ground lightning discharges. <i>Geophysical Research Letters</i> , 2016, 43, 1382-1391. | 1.5 | 20 |
| 115 | AN ANALYSIS OF INTERPLANETARY SOLAR RADIO EMISSIONS ASSOCIATED WITH A CORONAL MASS EJECTION. <i>Astrophysical Journal Letters</i> , 2016, 823, L5. | 3.0 | 20 |
| 116 | Multi-dimensional Analysis of Whistler-mode Waves in the Radiation Belt Region. , 2016, , 277-295. | | 0 |
| 117 | Identification of the source of quasiperiodic VLF emissions using ground-based and Van Allen Probes satellite observations. <i>Geophysical Research Letters</i> , 2015, 42, 6137-6145. | 1.5 | 50 |
| 118 | Different types of whistler mode chorus in the equatorial source region. <i>Geophysical Research Letters</i> , 2015, 42, 8271-8279. | 1.5 | 14 |
| 119 | EMIC waves observed by the low-altitude satellite DEMETER during the November 2004 magnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5455-5464. | 0.8 | 11 |
| 120 | Plasmaspheric hiss properties: Observations from Polar. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 414-431. | 0.8 | 66 |
| 121 | On the speed and acceleration of electron beams triggering interplanetary type III radio bursts. <i>Astronomy and Astrophysics</i> , 2015, 580, A137. | 2.1 | 22 |
| 122 | Relativistic electron acceleration during HILDCAA events: are precursor CIR magnetic storms important?. <i>Earth, Planets and Space</i> , 2015, 67, . | 0.9 | 26 |
| 123 | Very low frequency radio events with a reduced intensity observed by the low-altitude DEMETER spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9781-9794. | 0.8 | 2 |
| 124 | Identifying the source region of plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2015, 42, 3141-3149. | 1.5 | 25 |
| 125 | Relation between fine structure of energy spectra for pulsating aurora electrons and frequency spectra of whistler mode chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7728-7736. | 0.8 | 73 |
| 126 | Magnetospheric line radiation: 6.5 years of observations by the DEMETER spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9442-9456. | 0.8 | 8 |

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|-----|---|-----|-----------|
| 127 | Unipolar and bipolar pulses emitted during the development of lightning flashes. <i>Geophysical Research Letters</i> , 2015, 42, 7206-7213. | 1.5 | 6 |
| 128 | Power line harmonic radiation observed by the DEMETER spacecraft at 50/60ÂHz and low harmonics. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8954-8967. | 0.8 | 19 |
| 129 | Propagation of preliminary breakdown pulses preceding cloud-to-ground lightning discharges. , 2015, , . | | 0 |
| 130 | Interplanetary type II radio bursts and Coronal Mass Ejections. , 2015, , . | | 0 |
| 131 | Turbulent spectra of the solar wind near interplanetary shocks. , 2015, , . | | 0 |
| 132 | RELATIVISTIC (<i>E</i>> 0.6, > 2.0, AND > 4.0 MeV) ELECTRON ACCELERATION AT GEOSYNCHRONOUS ORBIT DURING HIGH-INTENSITY, LONG-DURATION, CONTINUOUS AE ACTIVITY (HILDCAA) EVENTS. <i>Astrophysical Journal</i> , 2015, 799, 39. | 1.6 | 56 |
| 133 | Systematic analysis of occurrence of equatorial noise emissions using 10 years of data from the Cluster mission. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1007-1021. | 0.8 | 53 |
| 134 | Bandwidths and amplitudes of chorus-like banded emissions measured by the TC&E1 <i>Double Star</i> spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1057-1071. | 0.8 | 10 |
| 135 | Intensities and spatiotemporal variability of equatorial noise emissions observed by the Cluster spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1620-1632. | 0.8 | 27 |
| 136 | Unexpected Very Low Frequency (VLF) Radio Events Recorded by the Ionospheric Satellite DEMETER. <i>Surveys in Geophysics</i> , 2015, 36, 483-511. | 2.1 | 15 |
| 137 | Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2754-2766. | 0.8 | 133 |
| 138 | Statistics of Langmuir wave amplitudes observed inside Saturn's foreshock by the Cassini spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2531-2542. | 0.8 | 9 |
| 139 | Observations of discrete harmonics emerging from equatorial noise. <i>Nature Communications</i> , 2015, 6, 7703. | 5.8 | 93 |
| 140 | Equatorial noise emissions with quasiperiodic modulation of wave intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2649-2661. | 0.8 | 29 |
| 141 | Observation of lightning-induced signals on the summit of La Grande Montagne: HF measurements. <i>E3S Web of Conferences</i> , 2014, 4, 02001. | 0.2 | 0 |
| 142 | Multispacecraft Cluster observations of quasiperiodic emissions close to the geomagnetic equator. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9101-9112. | 0.8 | 27 |
| 143 | WHISTLER MODE WAVES AND THE ELECTRON HEAT FLUX IN THE SOLAR WIND:<i>CLUSTER</i>OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 796, 5. | 1.6 | 116 |
| 144 | Multi-banded structure of chorus-like emission. , 2014, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Discrete magnetosonic waves as an evidence of nonlinear wave-particle interaction. , 2014, , . | | 1 |
| 146 | Statistical study of lion roar emissions observed by the cluster spacecraft. , 2014, , . | | 0 |
| 147 | Submicrosecond structure of magnetic-field waveforms of different types of return strokes. , 2014, , . | | 0 |
| 148 | The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets. Planetary and Space Science, 2014, 104, 122-140. | 0.9 | 56 |
| 149 | Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar TERrestrial RELations Observatory (STEREO)/Waves Instruments: Goniopolarimetric Properties and Radio Source Locations. Solar Physics, 2014, 289, 4633-4652. | 1.0 | 21 |
| 150 | First observation of risingâ€tone magnetosonic waves. Geophysical Research Letters, 2014, 41, 7419-7426. | 1.5 | 66 |
| 151 | Extremely intense ELF magnetosonic waves: A survey of polar observations. Journal of Geophysical Research: Space Physics, 2014, 119, 964-977. | 0.8 | 77 |
| 152 | Properties of the unusually short pulse sequences occurring prior to the first strokes of negative cloudâ€toâ€ground lightning flashes. Geophysical Research Letters, 2014, 41, 5316-5324. | 1.5 | 18 |
| 153 | Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar TERrestrial RELations Observatory (STEREO)/Waves Instruments: Radio Flux Density Variations with Frequency. Solar Physics, 2014, 289, 3121-3135. | 1.0 | 29 |
| 154 | Statistical investigation of VLF quasiperiodic emissions measured by the DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2014, 119, 8063-8072. | 0.8 | 35 |
| 155 | Propagation of lowerâ€band whistlerâ€mode waves in the outer Van Allen belt: Systematic analysis of 11â€% years of multiâ€component data from the Cluster spacecraft. Geophysical Research Letters, 2014, 41, 2729-2737. | 1.5 | 73 |
| 156 | Whistlerâ€mode waves inside flux pileup region: Structured or unstructured?. Journal of Geophysical Research: Space Physics, 2014, 119, 9089-9100. | 0.8 | 112 |
| 157 | Wave normal angles of whistler mode chorus rising and falling tones. Journal of Geophysical Research: Space Physics, 2014, 119, 9567-9578. | 0.8 | 54 |
| 158 | Wave number determination of Pc 1â€2 mantle waves considering He⁺⁺ ions: A Cluster study. Journal of Geophysical Research: Space Physics, 2014, 119, 7601-7614. | 0.8 | 6 |
| 159 | Statistical analysis of VLF radio emissions triggered by power line harmonic radiation and observed by the lowâ€altitude satellite DEMETER. Journal of Geophysical Research: Space Physics, 2014, 119, 5744-5754. | 0.8 | 18 |
| 160 | Analysis of fine ELF wave structures observed poleward from the ionospheric trough by the lowâ€altitude satellite DEMETER. Journal of Geophysical Research: Space Physics, 2014, 119, 2052-2060. | 0.8 | 9 |
| 161 | Statistical properties of wave vector directions of whistler-mode waves in the radiation belts based on measurements of the Van Allen probes and Cluster missions. , 2014, , . | | 0 |
| 162 | Fine structure of largeâ€amplitude chorus wave packets. Geophysical Research Letters, 2014, 41, 293-299. | 1.5 | 130 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar Terrestrial Relations Observatory (STEREO)/Waves Instruments: Radio Flux Density Variations with Frequency, 2014, , 499-513. | | 1 |
| 164 | The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. Space Science Reviews, 2013, 179, 127-181. | 3.7 | 932 |
| 165 | Automated interplanetary shock detection and its application to Wind observations. Journal of Geophysical Research: Space Physics, 2013, 118, 4793-4803. | 0.8 | 15 |
| 166 | Simultaneous observations of quasi-periodic ELF/VLF wave emissions and electron precipitation by DEMETER satellite: A case study. Journal of Geophysical Research: Space Physics, 2013, 118, 4523-4533. | 0.8 | 40 |
| 167 | Generation mechanism of the whistler-mode waves in the plasma sheet prior to magnetic reconnection. Advances in Space Research, 2013, 52, 205-210. | 1.2 | 10 |
| 168 | Additional attenuation of natural VLF electromagnetic waves observed by the DEMETER spacecraft resulting from preseismic activity. Journal of Geophysical Research: Space Physics, 2013, 118, 5286-5295. | 0.8 | 57 |
| 169 | EMIC triggered chorus emissions in Cluster data. Journal of Geophysical Research: Space Physics, 2013, 118, 1159-1169. | 0.8 | 36 |
| 170 | Properties of unipolar magnetic field pulse trains generated by lightning discharges. Geophysical Research Letters, 2013, 40, 1637-1641. | 1.5 | 13 |
| 171 | Saturn chorus intensity variations. Journal of Geophysical Research: Space Physics, 2013, 118, 5592-5602. | 0.8 | 18 |
| 172 | Conjugate observations of quasi-periodic emissions by Cluster and DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2013, 118, 198-208. | 0.8 | 38 |
| 173 | Azimuthal directions of equatorial noise propagation determined using 10 years of data from the Cluster spacecraft. Journal of Geophysical Research: Space Physics, 2013, 118, 7160-7169. | 0.8 | 36 |
| 174 | Electron acceleration above thunderclouds. Environmental Research Letters, 2013, 8, 035027. | 2.2 | 22 |
| 175 | Quasiperiodic emissions observed by the Cluster spacecraft and their association with ULF magnetic pulsations. Journal of Geophysical Research: Space Physics, 2013, 118, 4210-4220. | 0.8 | 35 |
| 176 | The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. , 2013, , 127-181. | | 28 |
| 177 | Properties of the magnetospheric backward wave oscillator inferred from CLUSTER measurements of VLF chorus elements. Journal of Geophysical Research, 2012, 117, . | 3.3 | 9 |
| 178 | Magnetospheric line radiation event observed simultaneously on board Cluster 1, Cluster 2 and DEMETER spacecraft. Geophysical Research Letters, 2012, 39, . | 1.5 | 8 |
| 179 | Spectral features of lightning-induced ion cyclotron waves at low latitudes: DEMETER observations and simulation. Journal of Geophysical Research, 2012, 117, . | 3.3 | 10 |
| 180 | Dayside ELF electromagnetic wave survey: A Polar statistical study of chorus and hiss. Journal of Geophysical Research, 2012, 117, . | 3.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Attenuation of electromagnetic waves at the frequency ~1.7 kHz in the upper ionosphere observed by the DEMETER satellite in the vicinity of earthquakes. <i>Annals of Geophysics</i> , 2012, 55, . | 0.5 | 12 |
| 182 | Goniopolarimetric inversion using SVD: An application to type III radio bursts observed by STEREO. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 25 |
| 183 | Detailed properties of magnetospheric line radiation events observed by the DEMETER spacecraft. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 10 |
| 184 | Correction to "Quasi-coherent chorus properties: 1. Implications for wave-particle interactions". <i>Journal of Geophysical Research</i> , 2012, 117, n/a-n/a. | 3.3 | 0 |
| 185 | Propagation of a shock-related disturbance in the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 15 |
| 186 | Quasi-coherent chorus properties: 1. Implications for wave-particle interactions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 42 |
| 187 | Intense plasma wave emissions associated with Saturn's moon Rhea. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a. | 1.5 | 32 |
| 188 | SAID/SAPS-related VLF waves and the outer radiation belt boundary. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a. | 1.5 | 17 |
| 189 | Multispacecraft observations of chorus emissions as a tool for the plasma density fluctuations' remote sensing. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 34 |
| 190 | Ionospheric density variations recorded before the 2010 <i>M_w</i> 8.8 earthquake in Chile. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 38 |
| 191 | Ion cyclotron harmonics in the Saturn downward current auroral region. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 6 |
| 192 | Conjugate studies of whistler-mode waves in the Van Allen radiation belts. , 2011, , . | | 0 |
| 193 | Testing of the backward wave oscillator model by using the spectral characteristics of VLF chorus elements. , 2011, , . | | 1 |
| 194 | On statistical distribution of characteristics of chorus element generation. , 2011, , . | | 0 |
| 195 | First results of the ground-based measurements of the IME-HF analyser. , 2011, , . | | 0 |
| 196 | An investigation of whistler intensities above thunderstorms. , 2011, , . | | 0 |
| 197 | On The Propagation And Modulation Of Electrostatic Solitary Waves Observed Near The Magnetopause On Cluster. <i>AIP Conference Proceedings</i> , 2011, , . | 0.3 | 1 |
| 198 | Whistler intensities above thunderstorms. <i>Annales Geophysicae</i> , 2010, 28, 37-46. | 0.6 | 34 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Observation of Langmuir waves in the solar wind and the role of the antenna effective length. , 2010, , . | | 0 |
| 200 | The apparent source size of type III radio bursts: Preliminary results by the STEREOâ€•WAVES instruments. , 2010, , . | | 3 |
| 201 | Locations of chorus emissions observed by the Polar Plasma Wave Instrument. Journal of Geophysical Research, 2010, 115, . | 3.3 | 21 |
| 202 | On the origin of lowerâ€•and upperâ€•frequency cutoffs on wedgeâ€•like spectrograms observed by DEMETER in the midlatitude ionosphere. Journal of Geophysical Research, 2010, 115, . | 3.3 | 15 |
| 203 | Wave normal angles of magnetospheric chorus emissions observed on the Polar spacecraft. Journal of Geophysical Research, 2010, 115, . | 3.3 | 68 |
| 204 | Survey of Poynting flux of whistler mode chorus in the outer zone. Journal of Geophysical Research, 2010, 115, . | 3.3 | 94 |
| 205 | Generation of whistler mode emissions in the inner magnetosphere: An event study. Journal of Geophysical Research, 2010, 115, . | 3.3 | 39 |
| 206 | Location and size of the global source region of whistler mode chorus. Journal of Geophysical Research, 2010, 115, . | 3.3 | 8 |
| 207 | Possible wave modes of wideband nonthermal continuum radiation in its source region. Journal of Geophysical Research, 2010, 115, . | 3.3 | 7 |
| 208 | Waveâ€•particle interactions in the equatorial source region of whistlerâ€•mode emissions. Journal of Geophysical Research, 2010, 115, . | 3.3 | 51 |
| 209 | Cluster observations of EMIC triggered emissions in association with Pc1 waves near Earth's plasmapause. Geophysical Research Letters, 2010, 37, . | 1.5 | 137 |
| 210 | SAID: A turbulent plasmaspheric boundary layer. Geophysical Research Letters, 2010, 37, . | 1.5 | 31 |
| 211 | Relationship between median intensities of electromagnetic emissions in the VLF range and lightning activity. Journal of Geophysical Research, 2010, 115, . | 3.3 | 29 |
| 212 | Theory and observation of electromagnetic ion cyclotron triggered emissions in the magnetosphere. Journal of Geophysical Research, 2010, 115, . | 3.3 | 108 |
| 213 | Observations of the relationship between frequency sweep rates of chorus wave packets and plasma density. Journal of Geophysical Research, 2010, 115, . | 3.3 | 48 |
| 214 | Influence of power line harmonic radiation on the VLF wave activity in the upper ionosphere: Is it capable to trigger new emissions?. Journal of Geophysical Research, 2010, 115, . | 3.3 | 15 |
| 215 | Introduction to the special section on Chorus: Chorus and its role in space weather. Journal of Geophysical Research, 2010, 115, . | 3.3 | 12 |
| 216 | STAFF Instrument Products Distributed Through the Cluster Active Archive. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 159-168. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Electron Density Estimation in the Magnetotail: a Multi-Instrument Approach. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 261-279. | 0.3 | 3 |
| 218 | Electrostatic solitary waves in current layers: from Cluster observations during a super-substorm to beam experiments at the LAPD. Nonlinear Processes in Geophysics, 2009, 16, 431-442. | 0.6 | 20 |
| 219 | On the numerical modelling of VLF chorus dynamical spectra. Annales Geophysicae, 2009, 27, 2341-2359. | 0.6 | 63 |
| 220 | Multispacecraft observations of the electron current sheet, neighboring magnetic islands, and electron acceleration during magnetotail reconnection. Physics of Plasmas, 2009, 16, . | 0.7 | 57 |
| 221 | The Origin of Plasmaspheric Hiss. Science, 2009, 324, 729-730. | 6.0 | 20 |
| 222 | Chorus observations by the Polar spacecraft near the mid-altitude cusp. Planetary and Space Science, 2009, 57, 1412-1418. | 0.9 | 5 |
| 223 | Advances in Plasmaspheric Wave Research with CLUSTER and IMAGE Observations. Space Science Reviews, 2009, 145, 137-191. | 3.7 | 10 |
| 224 | Conjugate observations on board a satellite and on the ground of a remarkable MLR-like event. Geophysical Research Letters, 2009, 36, . | 1.5 | 7 |
| 225 | Electron densities in Jupiter's outer magnetosphere determined from Voyager 1 and 2 plasma wave spectra. Journal of Geophysical Research, 2009, 114, . | 3.3 | 26 |
| 226 | Correction to "Propagation of unducted whistlers from their source lightning: A case study". Journal of Geophysical Research, 2009, 114, n/a-n/a. | 3.3 | 0 |
| 227 | Oblique lower band chorus waves: Time shifts between discrete elements observed by the Cluster spacecraft. Journal of Geophysical Research, 2009, 114, . | 3.3 | 15 |
| 228 | Oblique propagation of whistler mode waves in the chorus source region. Journal of Geophysical Research, 2009, 114, . | 3.3 | 129 |
| 229 | Dynamics and waves near multiple magnetic null points in reconnection diffusion region. Journal of Geophysical Research, 2009, 114, . | 3.3 | 37 |
| 230 | Statistics of multispacecraft observations of chorus dispersion and source location. Journal of Geophysical Research, 2009, 114, . | 3.3 | 46 |
| 231 | Analysis of subprotonospheric whistlers observed by DEMETER: A case study. Journal of Geophysical Research, 2009, 114, . | 3.3 | 26 |
| 232 | Cluster multispacecraft measurement of spatial scales of foreshock Langmuir waves. Journal of Geophysical Research, 2009, 114, . | 3.3 | 4 |
| 233 | Propagation of unducted whistlers from their source lightning: A case study. Journal of Geophysical Research, 2009, 114, . | 3.3 | 45 |
| 234 | A diffusive equilibrium model for the plasma density in Saturn's magnetosphere. Journal of Geophysical Research, 2009, 114, . | 3.3 | 85 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Decrease of intensity of ELF/VLF waves observed in the upper ionosphere close to earthquakes: A statistical study. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 79 |
| 236 | Analysis of narrowband emission observed in the Saturn magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 24 |
| 237 | Survey of magnetospheric line radiation events observed by the DEMETER spacecraft. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 18 |
| 238 | Advances in Plasmaspheric Wave Research with CLUSTER and IMAGE Observations. , 2009, , 137-191. | | 5 |
| 239 | Polar PWI and CEPPAD observations of chorus emissions and radiation belt electron acceleration: Four case studies. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 1774-1788. | 0.6 | 7 |
| 240 | S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528. | 3.7 | 313 |
| 241 | Furthering our understanding of electrostatic solitary waves through Cluster multispacecraft observations and theory. <i>Advances in Space Research</i> , 2008, 41, 1666-1676. | 1.2 | 53 |
| 242 | Spacecraft observations of electromagnetic perturbations connected with seismic activity. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 73 |
| 243 | Analysis of plasma waves observed within local plasma injections seen in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 51 |
| 244 | Variations in the chorus source location deduced from fluctuations of the ambient magnetic field: Comparison of Cluster data and the backward wave oscillator model. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 10 |
| 245 | Ionospheric drift measurements: Skymap points selection. <i>Radio Science</i> , 2008, 43, . | 0.8 | 15 |
| 246 | Power line harmonic radiation observed by satellite: Properties and propagation through the ionosphere. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 34 |
| 247 | Observations of chorus at Saturn using the Cassini Radio and Plasma Wave Science instrument. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 60 |
| 248 | Propagation Spectrograms of Whistler-Mode Radiation from Lightning. <i>IEEE Transactions on Plasma Science</i> , 2008, 36, 1166-1167. | 0.6 | 6 |
| 249 | Observation of Intensified Lower Hybrid Noise in the Midlatitude Ionosphere. <i>IEEE Transactions on Plasma Science</i> , 2008, 36, 1164-1165. | 0.6 | 2 |
| 250 | Frequencies of wave packets of whistler-mode chorus inside its source region: a case study. <i>Annales Geophysicae</i> , 2008, 26, 1665-1670. | 0.6 | 27 |
| 251 | Cluster observations of particle acceleration up to supra-thermal energies in the cusp region related to low-frequency wave activity – possible implications for the substorm initiation process. <i>Annales Geophysicae</i> , 2008, 26, 653-669. | 0.6 | 11 |
| 252 | New results of investigations of whistler-mode chorus emissions. <i>Nonlinear Processes in Geophysics</i> , 2008, 15, 621-630. | 0.6 | 60 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | Analysis of plasma waves observed in the inner Saturn magnetosphere. <i>Annales Geophysicae</i> , 2008, 26, 2631-2644. | 0.6 | 16 |
| 254 | Formation of VLF chorus frequency spectrum: Cluster data and comparison with the backward wave oscillator model. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 29 |
| 255 | Source of whistler emissions at the dayside magnetopause. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 44 |
| 256 | Cluster observations of waves in the whistler frequency range associated with magnetic reconnection in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 95 |
| 257 | Multispacecraft observations of chorus dispersion and source location. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 17 |
| 258 | Chorus source properties that produce time shifts and frequency range differences observed on different Cluster spacecraft. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 35 |
| 259 | Comparison of magnetospheric line radiation and power line harmonic radiation: A systematic survey using the DEMETER spacecraft. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 28 |
| 260 | Ray tracing of penetrating chorus and its implications for the radiation belts. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 70 |
| 261 | Electron acceleration in the Van Allen radiation belts by fast magnetosonic waves. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 341 |
| 262 | Simultaneous observation on board a satellite and on the ground of large-scale magnetospheric line radiation. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 17 |
| 263 | Correction to "Multispacecraft observations of chorus dispersion and source location". <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 0 |
| 264 | Power line harmonic radiation: A systematic study using DEMETER spacecraft. <i>Advances in Space Research</i> , 2007, 40, 398-403. | 1.2 | 28 |
| 265 | An entropy regularization method applied to the identification of wave distribution function for an ELF hiss event. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 5 |
| 266 | Striated drifting auroral kilometric radiation bursts: Possible stimulation by upward traveling EMIC waves. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 10 |
| 267 | Whistler-mode auroral hiss emissions observed near Saturn's B ring. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 15 |
| 268 | Propagation of whistler mode chorus to low altitudes: Spacecraft observations of structured ELF hiss. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 106 |
| 269 | Power line harmonic radiation (PLHR) observed by the DEMETER spacecraft. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 38 |
| 270 | New observations of electromagnetic harmonic ELF emissions in the ionosphere by the DEMETER satellite during large magnetic storms. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | First whistler observed in the magnetosphere of Saturn. <i>Geophysical Research Letters</i> , 2006, 33, . | 1.5 | 32 |
| 272 | Examples of unusual ionospheric observations made by the DEMETER satellite over seismic regions. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 486-495. | 1.2 | 168 |
| 273 | VLF/ELF wave activity in the vicinity of the polar cusp: Cluster observations. <i>Annales Geophysicae</i> , 2006, 24, 1993-2004. | 0.6 | 2 |
| 274 | Assigning the causative lightning to the whistlers observed on satellites. <i>Annales Geophysicae</i> , 2006, 24, 2921-2929. | 0.6 | 25 |
| 275 | Propagation Analysis of Electromagnetic Waves: Application to Auroral Kilometric Radiation. , 2006, , 297-312. | | 1 |
| 276 | Equatorial noise: Statistical study of its localization and the derived number density. <i>Advances in Space Research</i> , 2006, 37, 610-616. | 1.2 | 35 |
| 277 | Noise induced on an electric antenna and its effective length in solar wind: Application to CLUSTER observations. <i>Advances in Space Research</i> , 2006, 37, 1538-1543. | 1.2 | 1 |
| 278 | Analysis methods for multi-component wave measurements on board the DEMETER spacecraft. <i>Planetary and Space Science</i> , 2006, 54, 512-527. | 0.9 | 53 |
| 279 | High resolution observations of continuum radiation. <i>Planetary and Space Science</i> , 2005, 53, 283-290. | 0.9 | 7 |
| 280 | Initial results of a survey of equatorial noise emissions observed by the Cluster spacecraft. <i>Planetary and Space Science</i> , 2005, 53, 291-298. | 0.9 | 83 |
| 281 | Central position of the source region of storm-time chorus. <i>Planetary and Space Science</i> , 2005, 53, 299-305. | 0.9 | 96 |
| 282 | Low-Frequency Plasma Waves in the Outer Polar CUSP: A Review of Observations from Prognoz 8, Interball 1, Magion 4, and Cluster. <i>Surveys in Geophysics</i> , 2005, 26, 177-191. | 2.1 | 11 |
| 283 | Propagation of whistler-mode chorus to low altitudes: divergent ray trajectories and ground accessibility. <i>Annales Geophysicae</i> , 2005, 23, 3727-3738. | 0.6 | 82 |
| 284 | The relationship between auroral hiss at high altitudes over the polar caps and the substorm dynamics of aurora. <i>Annales Geophysicae</i> , 2005, 23, 2117-2128. | 0.6 | 4 |
| 285 | First results of low frequency electromagnetic wave detector of TC-2/Double Star program. <i>Annales Geophysicae</i> , 2005, 23, 2803-2811. | 0.6 | 44 |
| 286 | The STAFF-DWP wave instrument on the DSP equatorial spacecraft: description and first results. <i>Annales Geophysicae</i> , 2005, 23, 2785-2801. | 0.6 | 20 |
| 287 | Observations of lion roars in the magnetosheath by the STAFF/DWP experiment on the Double Star TC-1 spacecraft. <i>Annales Geophysicae</i> , 2005, 23, 2861-2866. | 0.6 | 12 |
| 288 | Radial variation of whistler-mode chorus: first results from the STAFF/DWP instrument on board the Double Star TC-1 spacecraft. <i>Annales Geophysicae</i> , 2005, 23, 2937-2942. | 0.6 | 51 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | ELF magnetospheric lines observed by DEMETER. <i>Annales Geophysicae</i> , 2005, 23, 3301-3311. | 0.6 | 16 |
| 290 | On the generation of solitary waves observed by Cluster in the near-Earth magnetosheath. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 181-193. | 0.6 | 68 |
| 291 | Drifting field-aligned density structures in the night-side polar cap. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 5 |
| 292 | Multi-Point Cluster Observations of VLF Risers, Fallers and Hooks at and Near the Plasmapause. , 2005, , 307-328. | | 6 |
| 293 | Low-Frequency Plasma Waves in the Outer Polar Cusp: A Review of Observations from Prognoz 8, Interball 1, Magion 4, and Cluster. , 2005, , 177-191. | | 0 |
| 294 | Systematic analysis of equatorial noise below the lower hybrid frequency. <i>Annales Geophysicae</i> , 2004, 22, 2587-2595. | 0.6 | 113 |
| 295 | Multipoint investigation of the source region of storm-time chorus. <i>Annales Geophysicae</i> , 2004, 22, 2555-2563. | 0.6 | 85 |
| 296 | Cluster observations of mid-latitude hiss near the plasmapause. <i>Annales Geophysicae</i> , 2004, 22, 2565-2575. | 0.6 | 18 |
| 297 | Density structures inside the plasmasphere: Cluster observations. <i>Annales Geophysicae</i> , 2004, 22, 2577-2585. | 0.6 | 56 |
| 298 | Isolated electrostatic structures observed throughout the Cluster orbit: relationship to magnetic field strength. <i>Annales Geophysicae</i> , 2004, 22, 2515-2523. | 0.6 | 117 |
| 299 | Solitary waves observed in the auroral zone: the Cluster multi-spacecraft perspective. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 183-196. | 0.6 | 87 |
| 300 | Quasi-periodic ELF/MLF wave emissions in the Earth's magnetosphere: comparison of satellite observations and modeling. <i>Annales Geophysicae</i> , 2004, 22, 4351-4361. | 0.6 | 40 |
| 301 | Interpretation of Cluster data on chorus emissions using the backward wave oscillator model. <i>Physics of Plasmas</i> , 2004, 11, 1345-1351. | 0.7 | 85 |
| 302 | A microscopic and nanoscopic view of storm-time chorus on 31 March 2001. <i>Geophysical Research Letters</i> , 2004, 31, . | 1.5 | 136 |
| 303 | Correction to "Transverse dimensions of chorus in the source region". <i>Geophysical Research Letters</i> , 2004, 31, . | 1.5 | 0 |
| 304 | Characteristics of magnetospherically reflected chorus waves observed by CLUSTER. <i>Annales Geophysicae</i> , 2004, 22, 2597-2606. | 0.6 | 48 |
| 305 | Fine structure of the polar cusp as deduced from the plasma wave and plasma measurements. <i>Advances in Space Research</i> , 2003, 32, 315-321. | 1.2 | 6 |
| 306 | Transverse dimensions of chorus in the source region. <i>Geophysical Research Letters</i> , 2003, 30, . | 1.5 | 114 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 307 | Spatio-temporal structure of storm-time chorus. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 363 |
| 308 | Singular value decomposition methods for wave propagation analysis. <i>Radio Science</i> , 2003, 38, n/a-n/a. | 0.8 | 505 |
| 309 | First results obtained by the Cluster STAFF experiment. <i>Annales Geophysicae</i> , 2003, 21, 437-456. | 0.6 | 197 |
| 310 | Source location of chorus emissions observed by Cluster. <i>Annales Geophysicae</i> , 2003, 21, 473-480. | 0.6 | 89 |
| 311 | Magnetospherically reflected chorus waves revealed by ray tracing with CLUSTER data. <i>Annales Geophysicae</i> , 2003, 21, 1111-1120. | 0.6 | 47 |
| 312 | Auroral kilometric radiation source characteristics using ray tracing techniques. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 20-1. | 3.3 | 10 |
| 313 | Spatiotemporal variability and propagation of equatorial noise observed by Cluster. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 43-1-SMP 43-8. | 3.3 | 133 |
| 314 | Electrostatic electron cyclotron waves generated by low-energy electron beams. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 8-1. | 3.3 | 20 |
| 315 | Density modulated whistler mode emissions observed near the plasmopause. <i>Geophysical Research Letters</i> , 2002, 29, 36-1-36-4. | 1.5 | 85 |
| 316 | Propagation of auroral hiss at high altitudes. <i>Geophysical Research Letters</i> , 2002, 29, 119-1-119-4. | 1.5 | 39 |
| 317 | Magnetic component of narrowband ion cyclotron waves in the auroral zone. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 17-1-SMP 17-14. | 3.3 | 80 |
| 318 | Propagation analysis of plasmaspheric hiss using Polar PWI measurements. <i>Geophysical Research Letters</i> , 2001, 28, 1127-1130. | 1.5 | 66 |
| 319 | Complete wave-vector directions of electromagnetic emissions: Application to INTERBALL-2 measurements in the nightside auroral zone. <i>Journal of Geophysical Research</i> , 2001, 106, 13191-13201. | 3.3 | 63 |
| 320 | Propagation characteristics of auroral kilometric radiation observed by the MEMO experiment on Interball 2. <i>Journal of Geophysical Research</i> , 2001, 106, 315-325. | 3.3 | 13 |
| 321 | Propagation of Z-mode and whistler-mode emissions observed by Interball 2 in the nightside auroral region. <i>Journal of Geophysical Research</i> , 2001, 106, 21137-21146. | 3.3 | 7 |
| 322 | Wave mode identification via wave distribution function analysis. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2001, 26, 229-235. | 0.2 | 7 |
| 323 | Polarisation and propagation of lion roars in the dusk side magnetosheath. <i>Annales Geophysicae</i> , 2001, 19, 1429-1438. | 0.6 | 32 |
| 324 | The flank magnetopause: INTERBALL observations. <i>Advances in Space Research</i> , 2000, 25, 1503-1510. | 1.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 325 | Electron fluxes in the magnetotail: Statistical study. <i>Advances in Space Research</i> , 2000, 25, 1623-1628. | 1.2 | 3 |
| 326 | Application of wave distribution function methods to an ELF hiss event at high latitudes. <i>Journal of Geophysical Research</i> , 2000, 105, 18885-18894. | 3.3 | 35 |
| 327 | Case studies on the wave propagation and polarization of ELF emissions observed by Freja around the local proton gyrofrequency. <i>Journal of Geophysical Research</i> , 1999, 104, 2459-2475. | 3.3 | 44 |
| 328 | Energy transport during O+energization by ELF waves observed by the Freja satellite. <i>Journal of Geophysical Research</i> , 1999, 104, 2563-2572. | 3.3 | 5 |
| 329 | Evolution of the auroral oval during a weak substorm. <i>European Physical Journal D</i> , 1998, 48, 103-112. | 0.4 | 0 |
| 330 | Two point observation of high-latitude reconnection. <i>Geophysical Research Letters</i> , 1998, 25, 4301-4304. | 1.5 | 36 |
| 331 | Propagation analysis of electromagnetic waves between the helium and proton gyrofrequencies in the low-altitude auroral zone. <i>Journal of Geophysical Research</i> , 1998, 103, 20469-20480. | 3.3 | 21 |
| 332 | INTERBALL magnetotail boundary case studies. <i>Advances in Space Research</i> , 1997, 20, 999-1015. | 1.2 | 10 |
| 333 | Two-point measurement of hot plasma structures in the magnetotail lobes. <i>Advances in Space Research</i> , 1997, 20, 993-997. | 1.2 | 6 |
| 334 | Energetic particles in the vicinity of the dawn magnetopause. <i>Advances in Space Research</i> , 1997, 20, 851-856. | 1.2 | 2 |
| 335 | Auroral Oval Dynamics in Different Spatial Scales. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997, 49, S151-S157. | 0.8 | 0 |
| 336 | The wave distribution function in a hot magnetospheric plasma: The direct problem. <i>Journal of Geophysical Research</i> , 1996, 101, 10639-10651. | 3.3 | 18 |
| 337 | Measurable parameters of electromagnetic waves in a hot plasma: The extension of the WDF direct problem. <i>Advances in Space Research</i> , 1996, 17, 57-61. | 1.2 | 0 |
| 338 | Turbulent processes upstream and downstream of the bow shock. <i>Advances in Space Research</i> , 1995, 15, 323-327. | 1.2 | 1 |
| 339 | Ion distribution function in the magnetosheath: Fine structure. <i>Advances in Space Research</i> , 1994, 14, 31-34. | 1.2 | 3 |
| 340 | The method of thermodynamic parameters calculation and its application on the study of protons and alpha particles behaviour in the bow shock. <i>European Physical Journal D</i> , 1991, 41, 381-392. | 0.4 | 1 |
| 341 | Some comments on the ion distribution function evolution in the quasiparallel shock. <i>Advances in Space Research</i> , 1991, 11, 223-226. | 1.2 | 2 |
| 342 | Plasma Wave Observations at Earth, Jupiter, and Saturn. <i>Geophysical Monograph Series</i> , 0, , 415-430. | 0.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 343 | Solar Orbiter Radio and Plasma Waves - Time Domain Sampler: In-flight performance and first results. Astronomy and Astrophysics, 0, , . | 2.1 | 6 |
| 344 | Statistical analysis of wave propagation properties of equatorial noise observed at low altitudes. Journal of Geophysical Research: Space Physics, 0, , . | 0.8 | 3 |