

# Iku Shinohara

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

3,153  
citations

279701

23  
h-index

168321

53  
g-index

129  
all docs

129  
docs citations

129  
times ranked

1736  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.   | 3.7  | 332       |
| 2  | Geotail observations of the Hall current system: Evidence of magnetic reconnection in the magnetotail. <i>Journal of Geophysical Research</i> , 2001, 106, 25929-25949.   | 3.3  | 298       |
| 3  | Solar wind control of density and temperature in the near-Earth plasma sheet: WIND/GEOTAIL collaboration. <i>Geophysical Research Letters</i> , 1997, 24, 935-938.  | 1.5  | 271       |
| 4  | Geospace exploration project ERG. <i>Earth, Planets and Space</i> , 2018, 70, .   | 0.9  | 201       |
| 5  | Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018, 554, 337-340.  | 13.7 | 149       |
| 6  | The ERG Science Center. <i>Earth, Planets and Space</i> , 2018, 70, .   | 0.9  | 124       |
| 7  | The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. <i>Earth, Planets and Space</i> , 2018, 70, .  | 0.9  | 124       |
| 8  | The ARASE (ERG) magnetic field investigation. <i>Earth, Planets and Space</i> , 2018, 70, .   | 0.9  | 118       |
| 9  | Ballooning mode waves prior to substorm-associated dipolarizations: Geotail observations. <i>Geophysical Research Letters</i> , 2008, 35, .   | 1.5  | 96        |
| 10 | Structure of the Hall current system in the vicinity of the magnetic reconnection site. <i>Journal of Geophysical Research</i> , 2003, 108, .   | 3.3  | 78        |
| 11 | 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. <i>Earth, Planets and Space</i> , 2017, 69, . | 0.9  | 74        |
| 12 | Three-dimensional structure of magnetic reconnection in the magnetotail from Geotail observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1667-1678.  | 0.8  | 72        |
| 13 | Construction of magnetic reconnection in the near-Earth magnetotail with Geotail. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.  | 3.3  | 68        |
| 14 | Onboard software of Plasma Wave Experiment aboard Arase: instrument management and signal processing of Waveform Capture/Onboard Frequency Analyzer. <i>Earth, Planets and Space</i> , 2018, 70, .                                  | 0.9  | 64        |
| 15 | Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae. <i>Scientific Reports</i> , 2021, 11, 13724.   | 1.6  | 37        |
| 16 | Magnetic field fluctuations during substorm-associated dipolarizations in the nightside plasma sheet around X= 10RE. <i>Journal of Geophysical Research</i> , 2005, 110, .  | 3.3  | 36        |
| 17 | Visualization of rapid electron precipitation via chorus element wave-particle interactions. <i>Nature Communications</i> , 2019, 10, 257.  | 5.8  | 35        |
| 18 | The Characteristics of EMIC Waves in the Magnetosphere Based on the Van Allen Probes and Arase Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029001.                                      | 0.8  | 35        |

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|----|---|-----|-----------|
| 19 | Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. <i>Scientific Reports</i> , 2020, 10, 3380.   | 1.6 | 33        |
| 20 | 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        |
| 21 | Superfast precipitation of energetic electrons in the radiation belts of the Earth. <i>Nature Communications</i> , 2022, 13, 1611.  | 5.8 | 27        |
| 22 | Ion acceleration processes in magnetic reconnection: Geotail observations in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1766-1783.   | 0.8 | 25        |
| 23 | Rapid Loss of Relativistic Electrons by EMIC Waves in the Outer Radiation Belt Observed by Arase, Van Allen Probes, and the PWING Ground Stations. <i>Geophysical Research Letters</i> , 2018, 45, 12,720.  | 1.5 | 25        |
| 24 | Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?. <i>Space Weather</i> , 2019, 17, 861-876.  | 1.3 | 25        |
| 25 | Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. <i>Geophysical Research Letters</i> , 2018, 45, 12,125.   | 1.5 | 24        |
| 26 | Ion and electron dynamics in the ion-electron decoupling region of magnetic reconnection with Geotail observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7703-7713.   | 0.8 | 23        |
| 27 | The extremely high-energy electron experiment (XEP) onboard the Arase (ERG) satellite. <i>Earth, Planets and Space</i> , 2018, 70, .  | 0.9 | 23        |
| 28 | Ion density and temperature profiles along ( $X_{GSM}$ ) and across ( $Z_{GSM}$ ) the magnetotail as observed by THEMIS, Geotail, and ARTEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1590-1599.  | 0.8 | 21        |
| 29 | First Direct Observations of Propagation of Discrete Chorus Elements From the Equatorial Source to Higher Latitudes, Using the Van Allen Probes and Arase Satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028315.                 | 0.8 | 21        |
| 30 | Longitudinal Structure of Oxygen Torus in the Inner Magnetosphere: Simultaneous Observations by Arase and Van Allen Probe A. <i>Geophysical Research Letters</i> , 2018, 45, 10,177.  | 1.5 | 18        |
| 31 | Conjugate Observations of Dayside and Nightside VLF Chorus and QP Emissions Between Arase (ERG) and Kannuslehto, Finland. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026663.   | 0.8 | 18        |
| 32 | Geospace exploration project: Arase (ERG). <i>Journal of Physics: Conference Series</i> , 2017, 869, 012095.  | 0.3 | 17        |
| 33 | Deformation of Electron Pitch Angle Distributions Caused by Upper Band Chorus Observed by the Arase Satellite. <i>Geophysical Research Letters</i> , 2018, 45, 7996-8004.   | 1.5 | 17        |
| 34 | Coincident Observations by the Kharkiv IS Radar and Ionosonde, DMSP and Arase (ERG) Satellites, and FLIP Model Simulations: Implications for the NRLMSISE-00 Hydrogen Density, Plasmasphere, and Ionosphere. <i>Geophysical Research Letters</i> , 2018, 45, 8062-8071. | 1.5 | 17        |
| 35 | Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. <i>Earth, Planets and Space</i> , 2020, 72, 111.   | 0.9 | 17        |
| 36 | Role of Ducting in Relativistic Electron Loss by Whistler-Mode Wave Scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029851.   | 0.8 | 17        |

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|----|--|-----|-----------|
| 37 | The dawn-dusk length of the X line in the near-Earth magnetotail: Geotail survey in 1994-2014. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8762-8773.   | 0.8 | 16        |
| 38 | Remote Detection of Drift Resonance Between Energetic Electrons and Ultralow Frequency Waves: Multisatellite Coordinated Observation by Arase and Van Allen Probes. <i>Geophysical Research Letters</i> , 2019, 46, 11642-11651.   | 1.5 | 16        |
| 39 | The Optical Mesosphere Thermosphere Imagers (OMTIs) for network measurements of aurora and airglow. , 2009, , .  |     | 15        |
| 40 | Ion Energies Dominating Energy Density in the Inner Magnetosphere: Spatial Distributions and Composition, Observed by Arase/MEP. <i>Geophysical Research Letters</i> , 2018, 45, 12,153-12,162.  | 1.5 | 15        |
| 41 | Pressure changes associated with substorm depolarization in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2010, 115, .   | 3.3 | 14        |
| 42 | Drift-Bounce Resonance Between Pc5 Pulsations and Ions at Multiple Energies in the Nightside Magnetosphere: Arase and MMS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 7277-7286.   | 1.5 | 14        |
| 43 | Thrust and Attitude Evaluation of Magnetic Sail by Three-Dimensional Hybrid Particle-in-Cell Code. <i>Journal of Propulsion and Power</i> , 2012, 28, 652-663.   | 1.3 | 13        |
| 44 | Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. <i>Geophysical Research Letters</i> , 2018, 45, 13,199.   | 1.5 | 13        |
| 45 | Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed With Ground-Based Multi-Instruments on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 13,182.  | 1.5 | 13        |
| 46 | Proton and Electron Injection Path at Geosynchronous Altitude. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4083-4103.   | 0.8 | 13        |
| 47 | Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029091.  | 0.8 | 13        |
| 48 | A powerful tool for browsing quick-look data in solar-terrestrial physics: Conjunction Event Finder. <i>Earth, Planets and Space</i> , 2011, 63, e1-e4.  | 0.9 | 12        |
| 49 | Relation of the Plasmapause to the Midlatitude Ionospheric Trough, the Subauroral Temperature Enhancement and the Distribution of Small-Scale Field Aligned Currents as Observed in the Magnetosphere by THEMIS, RBSP, and Arase, and in the Topside Ionosphere by Swarm. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 0.8 | 12        |
| 50 | Momentum transfer of solar wind plasma in a kinetic scale magnetosphere. <i>Physics of Plasmas</i> , 2012, 19, .   | 0.7 | 11        |
| 51 | Cross-Energy Couplings from Magnetosonic Waves to Electromagnetic Ion Cyclotron Waves through Cold Ion Heating inside the Plasmasphere. <i>Physical Review Letters</i> , 2021, 127, 245101.  | 2.9 | 11        |
| 52 | Density Depletions Associated With Enhancements of Electron Cyclotron Harmonic Emissions: An ERG Observation. <i>Geophysical Research Letters</i> , 2018, 45, 10,075.  | 1.5 | 10        |
| 53 | Cusp and Nightside Auroral Sources of $O^{+}$ in the Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10036-10047.   | 0.8 | 10        |
| 54 | A Multi-Instrument Approach to Determining the Source-Region Extent of EEP-Driving EMIC Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086599.  | 1.5 | 10        |

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|----|---|-----|-----------|
| 55 | Investigation of Small-Scale Electron Density Irregularities Observed by the Arase and Van Allen Probes Satellites Inside and Outside the Plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA027917. | 0.8 | 10        |
| 56 | Discovery of proton hill in the phase space during interactions between ions and electromagnetic ion cyclotron waves. <i>Scientific Reports</i> , 2021, 11, 13480.  | 1.6 | 10        |
| 57 | Collaborative Research Activities of the Arase and Van Allen Probes. <i>Space Science Reviews</i> , 2022, 218, .  | 3.7 | 10        |
| 58 | Full kinetic simulations of plasma flow interactions with meso- and microscale magnetic dipoles. <i>Physics of Plasmas</i> , 2014, 21, .  | 0.7 | 9         |
| 59 | Exploration of energization and radiation in geospace (ERG): challenges, development, and operation of satellite systems. <i>Earth, Planets and Space</i> , 2018, 70, .   | 0.9 | 9         |
| 60 | Substorm-Associated Ionospheric Flow Fluctuations During the 27 March 2017 Magnetic Storm: SuperDARN-Arase Conjunction. <i>Geophysical Research Letters</i> , 2018, 45, 9441-9449.  | 1.5 | 9         |
| 61 | Giant Pulsations Excited by a Steep Earthward Gradient of Proton Phase Space Density: Arase Observation. <i>Geophysical Research Letters</i> , 2018, 45, 6773-6781.   | 1.5 | 9         |
| 62 | Transient ionization of the mesosphere during auroral breakup: Arase satellite and ground-based conjugate observations at Syowa Station. <i>Earth, Planets and Space</i> , 2019, 71, .  | 0.9 | 9         |
| 63 | Statistical Properties of Molecular Ions in the Ring Current Observed by the Arase (ERG) Satellite. <i>Geophysical Research Letters</i> , 2019, 46, 8643-8651.  | 1.5 | 8         |
| 64 | Strong Diffusion of Energetic Electrons by Equatorial Chorus Waves in the Midnight-to-Dawn Sector. <i>Geophysical Research Letters</i> , 2019, 46, 12685-12692.   | 1.5 | 8         |
| 65 | Automatic Electron Density Determination by Using a Convolutional Neural Network. <i>IEEE Access</i> , 2019, 7, 163384-163394.  | 2.6 | 8         |
| 66 | Plasma and Field Observations in the Magnetospheric Source Region of a Stable Auroral Red (SAR) Arc by the Arase Satellite on 28 March 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028068.            | 0.8 | 8         |
| 67 | Preliminary Statistical Comparisons of Spin-Averaged Electron Data From Arase and Van Allen Probes Instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028929.   | 0.8 | 8         |
| 68 | Magnetosphere-Ionosphere Connection of Storm-Time Region-2 Field-Aligned Current and Ring Current: Arase and AMPERE Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9545-9559.                           | 0.8 | 7         |
| 69 | Direct Comparison Between Magnetospheric Plasma Waves and Polar Mesosphere Winter Echoes in Both Hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9626-9639.   | 0.8 | 7         |
| 70 | Arase Observation of the Source Region of Auroral Arcs and Diffuse Auroras in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027310.  | 0.8 | 7         |
| 71 | Pitch-Angle Scattering of Inner Magnetospheric Electrons Caused by ECH Waves Obtained With the Arase Satellite. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089926.  | 1.5 | 7         |
| 72 | Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-Storm-Time Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029081.  | 0.8 | 7         |

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|----|--|-----|-----------|
| 73 | Harmonization of RBSP and Arase Energetic Electron Measurements Utilizing ESA Radiation Monitor Data. <i>Space Weather</i> , 2021, 19, e2020SW002692.  | 1.3 | 7         |
| 74 | Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A and Ground Stations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096488.   | 1.5 | 7         |
| 75 | Visualization tool for three-dimensional plasma velocity distributions (ISEE_3D) as a plug-in for SPEDAS. <i>Earth, Planets and Space</i> , 2017, 69, .  | 0.9 | 6         |
| 76 | Active auroral arc powered by accelerated electrons from very high altitudes. <i>Scientific Reports</i> , 2021, 11, 1610.  | 1.6 | 6         |
| 77 | A Concise Empirical Formula for the Field-Aligned Distribution of Auroral Kilometeric Radiation Based on Arase Satellite and Van Allen Probes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092805.  | 1.5 | 6         |
| 78 | Data-Driven Simulation of Rapid Flux Enhancement of Energetic Electrons With an Upper-Band Whistler Burst. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028979.   | 0.8 | 6         |
| 79 | Field-Aligned Low-Energy O <sup>+</sup> Flux Enhancements in the Inner Magnetosphere Observed by Arase. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029168.  | 0.8 | 6         |
| 80 | 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         |
| 81 | Dawn-Dusk Confinement of Magnetic Reconnection Site in the Near-Earth Magnetotail and Its Implication for Dipolarization and Substorm Current System. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029691.                      | 0.8 | 6         |
| 82 | A Statistical Study of the Solar Wind Dependence of Multi-Harmonic Toroidal ULF Waves Observed by the Arase Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .  | 0.8 | 6         |
| 83 | Energetic Electron Precipitation Associated With Pulsating Aurora Observed by VLF Radio Propagation During the Recovery Phase of a Substorm on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 12,651.  | 1.5 | 5         |
| 84 | Meridional Distribution of Middle-Energy Protons and Pressure-Driven Currents in the Nightside Inner Magnetosphere: Arase Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5719-5733.  | 0.8 | 5         |
| 85 | Tracking the Region of High Correlation Between Pulsating Aurora and Chorus: Simultaneous Observations With Arase Satellite and Ground-Based All-Sky Imager in Russia. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2769-2778.         | 0.8 | 5         |
| 86 | Plasma Waves Causing Relativistic Electron Precipitation Events at International Space Station: Lessons From Conjunction Observations With Arase Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027875.                | 0.8 | 5         |
| 87 | Purple Auroral Rays and Global Pc1 Pulsations Observed at the CIR-Associated Solar Wind Density Enhancement on 21 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 10,819.  | 1.5 | 4         |
| 88 | Direct Antenna Impedance Measurement for Quantitative AC Electric Field Measurement by Arase. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029111.  | 0.8 | 4         |
| 89 | Contribution of Electron Pressure to Ring Current and Ground Magnetic Depression Using RAM-SCB Simulations and Arase Observations During 7-8 November 2017 Magnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029109. | 0.8 | 4         |
| 90 | Inner Magnetospheric Response to the Interplanetary Magnetic Field $B_y$ Component: Van Allen Probes and Arase Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028765.   | 0.8 | 4         |

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| 91  | Study of an equatorward detachment of auroral arc from the oval using ground&space observations and the BATS&US â€˜ CIMI model. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029080.   | 0.8 | 4         |
| 92  | Statistical Study of Approaching Strong Diffusion of Low&Energy Electrons by Chorus and ECH Waves Based on <i>In Situ</i> Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .  | 0.8 | 4         |
| 93  | Asymmetric Distributions of Auroral Kilometric Radiation in Earth's Northern and Southern Hemispheres Observed by the Arase Satellite. Geophysical Research Letters, 2022, 49, .  | 1.5 | 4         |
| 94  | Detection of UHR Frequencies by a Convolutional Neural Network From Arase/PWE Data. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028075.   | 0.8 | 3         |
| 95  | Multievent Study of Characteristics and Propagation of Naturally Occurring ELF/VLF Waves Using High&Latitude Ground Observations and Conjunctions With the Arase Satellite. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028682. | 0.8 | 3         |
| 96  | The Link Between Wedge&Like and Nose&Like Ion Spectral Structures in the Inner Magnetosphere. Geophysical Research Letters, 2021, 48, e2021GL093930.  | 1.5 | 3         |
| 97  | Field&Aligned Electron Density Distribution of the Inner Magnetosphere Inferred From Coordinated Observations of Arase and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029073.                                | 0.8 | 3         |
| 98  | First Simultaneous Observation of a Night Time Medium&Scale Traveling Ionospheric Disturbance From the Ground and a Magnetospheric Satellite. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029086.                               | 0.8 | 3         |
| 99  | Preferential Energization of Lower&Charge&State Heavier Ions in the Near&Earth Magnetotail. Journal of Geophysical Research: Space Physics, 2022, 127, .  | 0.8 | 3         |
| 100 | Simultaneous Observations of EMIC&Induced Drifting Electron Holes (EDEHs) in the Earth's Radiation Belt by the Arase Satellite, Van Allen Probes, and THEMIS. Geophysical Research Letters, 2022, 49, .   | 1.5 | 3         |
| 101 | Magnetic Field Dipolarization and Its Associated Ion Flux Variations in the Dawnside Deep Inner Magnetosphere: Arase Observations. Geophysical Research Letters, 2018, 45, 7942-7950.   | 1.5 | 2         |
| 102 | Diagnostics of Closed Magnetic Flux Depletion in the Near&Earth Magnetotail During the Substorm Growth Phase. Journal of Geophysical Research: Space Physics, 2018, 123, 8377-8389.   | 0.8 | 2         |
| 103 | Asymmetric Development of Auroral Surges in the Northern and Southern Hemispheres. Geophysical Research Letters, 2020, 47, e2020GL088750.   | 1.5 | 2         |
| 104 | Over&Darkening of Pulsating Aurora. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028838.   | 0.8 | 2         |
| 105 | Low&Altitude Ion Upflow Observed by EISCAT and its Effects on Supply of Molecular Ions in the Ring Current Detected by Arase (ERG). Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028951.   | 0.8 | 2         |
| 106 | ISEE_Wave: interactive plasma wave analysis tool. Earth, Planets and Space, 2021, 73, .   | 0.9 | 2         |
| 107 | Arase Observation of Simultaneous Electron Scatterings by Upper&Band and Lower&Band Chorus Emissions. Geophysical Research Letters, 2021, 48, e2021GL093708.  | 1.5 | 2         |
| 108 | Rocket Observation of Sub&Relativistic Electrons in the Quiet Dayside Auroral Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028633.   | 0.8 | 2         |



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|-----|--|-----|-----------|
| 109 | Characterization and Calibration of High-Energy Electron Instruments Onboard the Arase Satellite. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029110.  | 0.8 | 2         |
| 110 | Magnetic Field and Energetic Particle Flux Oscillations and High-Frequency Waves Deep in the Inner Magnetosphere During Substorm Dipolarization: ERG Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029095. | 0.8 | 2         |
| 111 | Flux Enhancements of Field-Aligned Low-Energy O <sup>+</sup> Ion (FALEO) in the Inner Magnetosphere: A Possible Source of Warm Plasma Cloak and Oxygen Torus. Journal of Geophysical Research: Space Physics, 2022, 127, .                   | 0.8 | 2         |
| 112 | Relative Contribution of ULF Waves and Whistler-mode Chorus to the Radiation Belt Variation during the May 2017 Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028972.   | 0.8 | 1         |
| 113 | Statistical Survey of Arase Satellite Data Sets in Conjunction With the Finnish Riometer Network. Journal of Geophysical Research: Space Physics, 2022, 127, .   | 0.8 | 1         |
| 114 | Signatures of Auroral Potential Structure Extending Through the Near-Equatorial Inner Magnetosphere. Geophysical Research Letters, 2022, 49, .   | 1.5 | 1         |
| 115 | Extremely Collimated Electron Beams in the High Latitude Magnetosphere Observed by Arase. Geophysical Research Letters, 2021, 48, e2020GL090522.   | 1.5 | 0         |