

Yoshizumi Miyoshi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

338
papers

6,416
citations

37
h-index

68
g-index

404
ext. papers

7,572
ext. citations

3.6
avg, IF

5.71
L-index

#	Paper	IF	Citations
338	Temporal Variations of the Three Geomagnetic Field Components at Colaba Observatory around the Carrington Storm in 1859. <i>Astrophysical Journal</i> , 2022 , 928, 32	4.7	2
337	Simultaneous Observations of EMIC-Induced Drifting Electron Holes (EDEHs) in the Earth's Radiation Belt by the Arase Satellite, Van Allen Probes, and THEMIS. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
336	Superfast precipitation of energetic electrons in the radiation belts of the Earth.. <i>Nature Communications</i> , 2022 , 13, 1611	17.4	4
335	Slow Contraction of Flash Aurora Induced by an Isolated Chorus Element Ranging From Lower-Band to Upper-Band Frequencies in the Source Region. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
334	Study of an Equatorward Detachment of Auroral Arc From the Oval Using Ground-Space Observations and the BATS-R-US/IMI Model. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029080	2.6	1
333	Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A, and Ground Stations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL096488	4.9	2
332	Relative Contribution of ULF Waves and Whistler-Mode Chorus to the Radiation Belt Variation During the May 2017 Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028972	2.6	
331	Propagation Mechanism of Medium Wave Broadcasting Waves Observed by the Arase Satellite: Hectometric Line Spectra. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029813	2.6	
330	Role of Ducting in Relativistic Electron Loss by Whistler-Mode Wave Scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029851	2.6	4
329	Simulated seasonal impact on middle atmospheric ozone from high-energy electron precipitation related to pulsating aurorae. <i>Annales Geophysicae</i> , 2021 , 39, 883-897	2	0
328	Registration of synchronous geomagnetic pulsations and proton aurora during the substorm on March 1, 2017. <i>EPJ Web of Conferences</i> , 2021 , 254, 02012	0.3	
327	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	2.6	1
326	Magnetic Conjugacy of Pc1 Waves and Isolated Proton Precipitation at Subauroral Latitudes: Importance of Ionosphere as Intensity Modulation Region. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091384	4.9	3
325	Energy-Resolved Detection of Precipitating Electrons of 30-100 keV by a Sounding Rocket Associated With Dayside Chorus Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028477	2.6	7
324	Statistical properties of auroral kilometer radiation: based on ERG (ARASE) satellite data. <i>Solneĉno-zemnaĉFizika</i> , 2021 , 7, 13-20	0.3	
323	Extremely Collimated Electron Beams in the High Latitude Magnetosphere Observed by Arase. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090522	4.9	
322	A review of the SCOSTEP 5-year scientific program VarSITI Variability of the Sun and Its Terrestrial Impact. <i>Progress in Earth and Planetary Science</i> , 2021 , 8,	3.9	7

321	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	4.9	1
320	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultra-low Frequency Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028912	2.6	2
319	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	2.6	2
318	Low-Altitude Ion Upflow Observed by EISCAT and its Effects on Supply of Molecular Ions in the Ring Current Detected by Arase (ERG). <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028951	2.6	1
317	Space weather benchmarks on Japanese society. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	5
316	Dynamics of the terrestrial radiation belts: a review of recent results during the VarSITI (Variability of the Sun and Its Terrestrial Impact) era, 2014-2018. <i>Progress in Earth and Planetary Science</i> , 2021 , 8,	3.9	5
315	ISEE_Wave: interactive plasma wave analysis tool. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	1
314	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All-Sky Camera and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029078	2.6	3
313	Suzaku observations of Jovian diffuse hard X-ray emission. <i>Publication of the Astronomical Society of Japan</i> , 2021 , 73, 894-911	3.2	2
312	Direct Antenna Impedance Measurement for Quantitative AC Electric Field Measurement by Arase. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029111	2.6	2
311	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029091	2.6	3
310	Discovery of proton hill in the phase space during interactions between ions and electromagnetic ion cyclotron waves. <i>Scientific Reports</i> , 2021 , 11, 13480	4.9	1
309	Contribution of Electron Pressure to Ring Current and Ground Magnetic Depression Using RAM-SCB Simulations and Arase Observations During 7B November 2017 Magnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029109	2.6	2
308	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	2.6	5
307	Harmonization of RBSP and Arase Energetic Electron Measurements Utilizing ESA Radiation Monitor Data. <i>Space Weather</i> , 2021 , 19, e2020SW002692	3.7	3
306	Arase Observation of Simultaneous Electron Scatterings by Upper-Band and Lower-Band Chorus Emissions. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093708	4.9	0
305	Field-Aligned Low-Energy O ⁺ Flux Enhancements in the Inner Magnetosphere Observed by Arase. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029168	2.6	2
304	The Link Between Wedge-Like and Nose-Like Ion Spectral Structures in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093930	4.9	1

303	Spatial Evolution of Wave-Particle Interaction Region Deduced From Flash-Type Auroras and Chorus-Ray Tracing. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029254	2.6	1
302	Rocket Observation of Sub-Relativistic Electrons in the Quiet Dayside Auroral Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028633	2.6	1
301	Characterization and Calibration of High-Energy Electron Instruments Onboard the Arase Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029110	2.6	1
300	Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae. <i>Scientific Reports</i> , 2021 , 11, 13724	4.9	14
299	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	2.6	2
298	Development of space environment customized risk estimation for satellites (SECURES). <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	2
297	Active auroral arc powered by accelerated electrons from very high altitudes. <i>Scientific Reports</i> , 2021 , 11, 1610	4.9	3
296	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	12
295	Study of Spatiotemporal Development of Global Distribution of Magnetospheric ELF/VLF Waves Using Ground-Based and Satellite Observations, and RAM-SCB Simulations, for the March and November 2017 Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028216	2.6	1
294	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	2.6	1
293	Over-Darkening of Pulsating Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028838	2.6	1
292	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	2.6	1
291	Statistical Analysis of Pc1 Wave Ducting Deduced From Swarm Satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029016	2.6	1
290	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	12
289	PSTEP: project for solarTerrestrial environment prediction. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	1
288	Field-Aligned Electron Density Distribution of the Inner Magnetosphere Inferred From Coordinated Observations of Arase and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029073	2.6	0
287	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. <i>Annales Geophysicae</i> , 2021 , 39, 811-831	2	3
286	Inter-Calibrated Measurements of Intense Whistlers by Arase and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029700	2.6	1

285	Isolated Proton Aurora Driven by EMIC Pc1 Wave: PWING, Swarm, and NOAA POES Multi-Instrument Observations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095090	4.9	4
284	Magnetic Field and Energetic Particle Flux Oscillations and High-Frequency Waves Deep in the Inner Magnetosphere During Substorm Dipolarization: ERG Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029095	2.6	1
283	Simultaneous Pulsating Aurora and Microburst Observations With Ground-Based Fast Auroral Imagers and CubeSat FIREBIRD-II. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094494	4.9	2
282	Variations in Cosmic Noise Absorption in Association With Equatorward Development of the Pulsating Auroral Patch: A Case Study to Estimate the Energy Spectra of Auroral Precipitating Electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029309	2.6	
281	Periodicities and Colors of Pulsating Auroras: DSLR Camera Observations From the International Space Station. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029564	2.6	0
280	First Simultaneous Observation of a Night Time Medium-Scale Traveling Ionospheric Disturbance From the Ground and a Magnetospheric Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029086	2.6	2
279	Long-Term Monitoring of Energetic Protons at the Bottom of Earth's Radiation Belt. <i>Space Weather</i> , 2021 , 19, e2020SW002611	3.7	
278	Inner Magnetospheric Response to the Interplanetary Magnetic Field By Component: Van Allen Probes and Arase Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028765	2.6	1
277	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	7.4	0
276	Comparative Study of Electric Currents and Energetic Particle Fluxes in a Solar Flare and Earth Magnetospheric Substorm. <i>Astrophysical Journal</i> , 2021 , 923, 151	4.7	0
275	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	2.6	8
274	Detection of UHR Frequencies by a Convolutional Neural Network From Arase/PWE Data. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028075	2.6	1
273	Relativistic Electron Microbursts as High-Energy Tail of Pulsating Aurora Electrons. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090360	4.9	27
272	Asymmetric Development of Auroral Surges in the Northern and Southern Hemispheres. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088750	4.9	0
271	Statistical study of EMIC Pc1-Pc2 waves observed at subauroral latitudes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020 , 205, 105292	2	3
270	Wavenumber Spectra of Atmospheric Gravity Waves and Medium-Scale Traveling Ionospheric Disturbances Based on More Than 10-Year Airglow Images in Japan, Russia, and Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA026807	2.6	6
269	Fine-Scale Visualization of Aurora in a Wide Area Using Color Digital Camera Images From the International Space Station. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027729	2.6	2
268	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. <i>Scientific Reports</i> , 2020 , 10, 3380	4.9	14

267	Diffuse and Pulsating Aurora. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	33
266	Comprehensive Observations of Substorm-Enhanced Plasmaspheric Hiss Generation, Propagation, and Dissipation. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086040	4.9	10
265	A Statistical Study of Near-Earth Magnetotail Evolution During Pseudosubstorms and Substorms With THEMIS Data. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA026642	2.6	0
264	Estimation of the emission altitude of pulsating aurora using the five-wavelength photometer. <i>Earth, Planets and Space</i> , 2020 , 72,	2.9	2
263	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	2.9	6
262	Observation of High-Energy Particles in the Inner Radiation Belt by the HEP Instrument of the Arase Satellite. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2020 , 18, 398-403	0.3	
261	ULF modulation of energetic electron precipitation observed by VLF/LF radio propagation. <i>URSI Radio Science Bulletin</i> , 2020 , 2020, 29-40	0.1	
260	Development of low-cost multi-wavelength imager system for studies of aurora and airglow. <i>Polar Science</i> , 2020 , 23, 100501	2.3	11
259	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	2.6	9
258	Effects of IMF By on Ring Current Asymmetry Under Southward IMF Bz Conditions Observed at Ground Magnetic Stations: Case Studies. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027493	2.6	7
257	Excitation of Internally Driven ULF Waves by the Drift-Bounce Resonance With Ring Current Ions Based on the Drift-Kinetic Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028231	2.6	3
256	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	2.6	5
255	Formation of the Low-Energy Binger Ion Spectral Structure Near the Inner Edge of the Plasma Sheet. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089875	4.9	2
254	Ionospheric Plasma Density Oscillation Related to EMIC Pc1 Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089000	4.9	0
253	Two-Dimensional Hybrid Particle-in-Cell Simulations of Magnetosonic Waves in the Dipole Magnetic Field: On a Constant L-Shell. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028414	2.6	4
252	Pitch-Angle Scattering of Inner Magnetospheric Electrons Caused by ECH Waves Obtained With the Arase Satellite. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089926	4.9	3
251	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	2.6	4
250	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	2.6	4

249	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	2.6	3
248	A Multi-Instrument Approach to Determining the Source-Region Extent of EEP-Driving EMIC Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086599	4.9	6
247	Modulation of Pc1 Wave Ducting by Equatorial Plasma Bubble. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088054	4.9	4
246	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	2.6	2
245	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,	2.9	6
244	Suzaku detection of enigmatic geocoronal solar wind charge exchange event associated with coronal mass ejection. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	2
243	Visualization of rapid electron precipitation via chorus element wave-particle interactions. <i>Nature Communications</i> , 2019 , 10, 257	17.4	22
242	Excitation of Storm Time Pc5 ULF Waves by Ring Current Ions Based on the Drift-Kinetic Simulation. <i>Geophysical Research Letters</i> , 2019 , 46, 1911-1918	4.9	2
241	Nowcast and forecast of galactic cosmic ray (GCR) and solar energetic particle (SEP) fluxes in magnetosphere and ionosphere [Extension of WASAVIES to Earth orbit. <i>Journal of Space Weather and Space Climate</i> , 2019 , 9, A9	2.5	5
240	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	3.7	14
239	Observations of Low-Latitude Traveling Ionospheric Disturbances by a 630.0-nm Airglow Imager and the CHAMP Satellite Over Indonesia. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2198-2212	2.6	5
238	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	2.6	4
237	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
236	Statistical Properties of Molecular Ions in the Ring Current Observed by the Arase (ERG) Satellite. <i>Geophysical Research Letters</i> , 2019 , 46, 8643-8651	4.9	6
235	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	4.9	20
234	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	2.6	2
233	Suzaku observation of Jupiter's X-rays around solar maximum. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	4
232	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	4.9	11

231	Longitudinal Extent of Magnetospheric ELF/VLF Waves using Multipoint PWING Ground Stations at Subauroral Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9881-9892	2.6	1
230	Cusp and Nightside Auroral Sources of O ⁺ in the Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10036-10047	2.6	6
229	Thermospheric wind variations observed by a Fabry-Pérot interferometer at Tromsø, Norway, at substorm onsets. <i>Earth, Planets and Space</i> , 2019 , 71,	2.9	6
228	High-latitude thermospheric wind study using a Fabry-Pérot interferometer at Tromsø in Norway: averages and variations during quiet times. <i>Earth, Planets and Space</i> , 2019 , 71,	2.9	1
227	Strong Diffusion of Energetic Electrons by Equatorial Chorus Waves in the Midnight-to-Dawn Sector. <i>Geophysical Research Letters</i> , 2019 , 46, 12685-12692	4.9	7
226	Automatic Electron Density Determination by Using a Convolutional Neural Network. <i>IEEE Access</i> , 2019 , 7, 163384-163394	3.5	5
225	Three-Dimensional Fourier Analysis of the Phase Velocity Distributions of Mesospheric and Ionospheric Waves Based on Airglow Images Collected Over 10 Years: Comparison of Magadan, Russia, and Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8110-8124	2.6	6
224	Formation of Butterfly Pitch Angle Distributions of Relativistic Electrons in the Outer Radiation Belt With a Monochromatic Pc5 Wave. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4679-4691	2.6	7
223	Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018 , 554, 337-340	50.4	99
222	Discovery of 1-Hz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. <i>Geophysical Research Letters</i> , 2018 , 45, 1209-1217	4.9	12
221	Three-Step Buildup of the 17 March 2015 Storm Ring Current: Implication for the Cause of the Unexpected Storm Intensification. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 414-428	2.6	10
220	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,	2.9	49
219	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	2.9	3
218	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	4.9	11
217	The ARASE (ERG) magnetic field investigation. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	88
216	Software-type Wave-Particle Interaction Analyzer on board the Arase satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	17
215	Theory, modeling, and integrated studies in the Arase (ERG) project. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	10
214	Low-energy particle experiments on mass analyzer (LEPi) onboard the ERG (Arase) satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	28

213	A Comparative Study of ULF Waves' Role in the Dynamics of Charged Particles in the Plasmasphere: Van Allen Probes Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5334-5343	2.6	17
212	Response of Relativistic Electron Microbursts to the Arrival of High-Speed Solar Wind Streams and its Relation to Flux Variation of Trapped Radiation Belt Electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7452-7461	2.6	1
211	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	4.9	7
210	Ultralightweight x-ray telescope missions: ORBIS and GEO-X. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	4
209	Statistical Study of Phase Relationship Between Magnetic and Plasma Pressures in the Near-Earth Nightside Magnetosphere Using the THEMIS-E Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9517-9531	2.6	3
208	Density Depletions Associated With Enhancements of Electron Cyclotron Harmonic Emissions: An ERG Observation. <i>Geophysical Research Letters</i> , 2018 , 45, 10,075-10,083	4.9	7
207	Statistical Analysis of the Phase Velocity Distribution of Mesospheric and Ionospheric Waves Observed in Airglow Images Over a 16-Year Period: Comparison Between Rikubetsu and Shigaraki, Japan. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6930-6947	2.6	9
206	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	66
205	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. <i>Geophysical Research Letters</i> , 2018 , 45, 13,199	4.9	6
204	Electrostatic Electron Cyclotron Harmonic Waves as a Candidate to Cause Pulsating Auroras. <i>Geophysical Research Letters</i> , 2018 , 45, 12,661	4.9	17
203	Data processing in Software-type WaveParticle Interaction Analyzer onboard the Arase satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	9
202	Geospace exploration project ERG. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	135
201	The ERG Science Center. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	84
200	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	92
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