

Yoshizumi Miyoshi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1436130/yoshizumi-miyoshi-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	The GEOTAIL Magnetic Field Experiment.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1994 , 46, 7-21		567
337	Rebuilding process of the outer radiation belt during the 3 November 1993 magnetic storm: NOAA and Exos-D observations. <i>Journal of Geophysical Research</i> , 2003 , 108, SMP 3-1		226
336	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
335	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	204
334	Relativistic electron precipitation by EMIC waves from self-consistent global simulations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		196
333	Response of migrating tides to the stratospheric sudden warming in 2009 and their effects on the ionosphere studied by a whole atmosphere-ionosphere model GAIA with COSMIC and TIMED/SABER observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		144
332	Ring current ions and radiation belt electrons during geomagnetic storms driven by coronal mass ejections and corotating interaction regions. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	136
331	Geospace exploration project ERG. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	135
330	Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018 , 554, 337-340	50.4	99
329	Global characteristics of electromagnetic ion cyclotron waves: Occurrence rate and its storm dependence. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4135-4150	2.6	99
328	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	2.6	95
327	Flux enhancement of radiation belt electrons during geomagnetic storms driven by coronal mass ejections and corotating interaction regions. <i>Space Weather</i> , 2006 , 4, n/a-n/a	3.7	95
326	High-speed solar wind with southward interplanetary magnetic field causes relativistic electron flux enhancement of the outer radiation belt via enhanced condition of whistler waves. <i>Geophysical Research Letters</i> , 2013 , 40, 4520-4525	4.9	94
325	Flux enhancement of the outer radiation belt electrons after the arrival of stream interaction regions. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		93
324	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	92
323	The ARASE (ERG) magnetic field investigation. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	88
322	Vertical connection from the tropospheric activities to the ionospheric longitudinal structure simulated by a new Earth's whole atmosphere-ionosphere coupled model. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		88

321	The ERG Science Center. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	84
320	Time of flight analysis of pulsating aurora electrons, considering wave-particle interactions with propagating whistler mode waves. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		77
319	Simultaneous appearance of isolated auroral arcs and Pc 1 geomagnetic pulsations at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		77
318	Relativistic model of ring current and radiation belt ions and electrons: Initial results. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	74
317	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	66
316	Excitation of whistler mode chorus from global ring current simulations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		62
315	On the loss of relativistic electrons at geosynchronous altitude: Its dependence on magnetic configurations and external conditions. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		61
314	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	2.6	57
313	Evolution of the outer radiation belt during the November 1993 storms driven by corotating interaction regions. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		54
312	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,	2.9	51
311	Relativistic electron microbursts associated with whistler chorus rising tone elements: GEMSIS-RBW simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		51
310	Simultaneous ground and satellite observations of an isolated proton arc at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		50
309	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
308	Inner heliosphere MHD modeling system applicable to space weather forecasting for the other planets. <i>Space Weather</i> , 2014 , 12, 187-204	3.7	49
307	Outer Radiation Belt Flux Dropouts: Current Understanding and Unresolved Questions. <i>Geophysical Monograph Series</i> , 2013 , 195-212	1.1	48
306	Mesospheric ozone destruction by high-energy electron precipitation associated with pulsating aurora. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 11,852-11,861	4.4	48
305	Wire Probe Antenna (WPT) and Electric Field Detector (EFD) of Plasma Wave Experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results. <i>Earth, Planets and Space</i> , 2017 , 69,	2.9	42
304	Outer radiation belt boundary location relative to the magnetopause: Implications for magnetopause shadowing. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		42

303	Electron Power-Law Spectra in Solar and Space Plasmas. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	42
302	Main-phase creation of seed electrons in the outer radiation belt. <i>Earth, Planets and Space</i> , 2000 , 52, 41-47	2.9	38
301	The source region and its characteristic of pulsating aurora based on the Reimei observations. <i>Journal of Geophysical Research</i> , 2011 , 116,		37
300	Simultaneous satellite observations of VLF chorus, hot and relativistic electrons in a magnetic storm recovery phase. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	36
299	Diffuse and Pulsating Aurora. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	33
298	A split in the outer radiation belt by magnetopause shadowing: Test particle simulations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		32
297	Multipoint observations of a Pi2 pulsation on morningside: The 20 September 1995 event. <i>Journal of Geophysical Research</i> , 2003 , 108,		32
296	Akebono observations of EMIC waves in the slot region of the radiation belts. <i>Geophysical Research Letters</i> , 2013 , 40, 5587-5591	4.9	31
295	Observation of short-term variation of Jupiter's synchrotron radiation. <i>Geophysical Research Letters</i> , 1999 , 26, 9-12	4.9	29
294	Global distribution of neutral wind shear associated with sporadic E layers derived from GAIA. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4450-4465	2.6	28
293	Low-energy particle experiments on mass analyzer (LEPi) onboard the ERG (Arase) satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	28
292	Solar cycle variations of outer radiation belt and its relationship to solar wind structure dependences. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011 , 73, 77-87	2	28
291	Imaging Plasma Density Structures in the Soft X-Rays Generated by Solar Wind Charge Exchange with Neutrals. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	28
290	Relativistic Electron Microbursts as High-Energy Tail of Pulsating Aurora Electrons. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090360	4.9	27
289	PENGUIN/AGO and THEMIS conjugate observations of whistler mode chorus waves in the dayside uniform zone under steady solar wind and quiet geomagnetic conditions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		26
288	Long term modulation of low altitude proton radiation belt by the Earth's atmosphere. <i>Geophysical Research Letters</i> , 2000 , 27, 2169-2172	4.9	26
287	The Energization and Radiation in Geospace (ERG) Project. <i>Geophysical Monograph Series</i> , 2013 , 103-116	1.1	25
286	ELF/VLF wave propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5384-5393	2.6	25

285	Time Variability of the Geocoronal Solar-Wind Charge Exchange in the Direction of the Celestial Equator. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 981-986	3.2	24
284	Pulsating aurora beyond the ultra-low-frequency range. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
283	Long-term modulations of Saturn's auroral radio emissions by the solar wind and seasonal variations controlled by the solar ultraviolet flux. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7019-7035	2.6	23
282	Visualization of rapid electron precipitation via chorus element wave-particle interactions. <i>Nature Communications</i> , 2019 , 10, 257	17.4	22
281	Dual structure of auroral acceleration regions at substorm onsets as derived from auroral kilometric radiation spectra. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		22
280	Probabilistic space weather forecast of the relativistic electron flux enhancement at geosynchronous orbit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 475-481	2	22
279	Geotail observations of signatures in the near-Earth magnetotail for the extremely intense substorms of the 30 October 2003 storm. <i>Journal of Geophysical Research</i> , 2005 , 110,		22
278	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9969-9982	2.6	21
277	Multiscale temporal variations of pulsating auroras: On-off pulsation and a few Hz modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3514-3527	2.6	21
276	Two-step evolution of auroral acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		21
275	Average profiles of the solar wind and outer radiation belt during the extreme flux enhancement of relativistic electrons at geosynchronous orbit. <i>Annales Geophysicae</i> , 2008 , 26, 1335-1339	2	21
274	Electron dynamics during substorm dipolarization in Mercury's magnetosphere. <i>Annales Geophysicae</i> , 2005 , 23, 3389-3398	2	21
273	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
272	Investigating the origins of the Jovian decimetric emission's variability. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		20
271	Ecliptic North-South Symmetry of Hydrogen Geocorona. <i>Geophysical Research Letters</i> , 2017 , 44, 11,706-11,712	1.7	19
270	Dynamic Inner Magnetosphere: A Tutorial and Recent Advances 2011 , 145-187		19
269	Why are relativistic electrons persistently quiet at geosynchronous orbit in 2009?. <i>Space Weather</i> , 2010 , 8, n/a-n/a	3.7	19
268	Enhancement of Terrestrial Diffuse X-Ray Emission Associated with Coronal Mass Ejection and Geomagnetic Storm. <i>Publication of the Astronomical Society of Japan</i> , 2011 , 63, S691-S704	3.2	19

267	Magnetosphere inflation during the recovery phase of geomagnetic storms as an excellent magnetic confinement of killer electrons. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	19
266	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. <i>Science</i> , 2018 , 361, 1000-1003	33.3	19
265	Pulsating proton aurora caused by rising tone Pc1 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1608-1618	2.6	18
264	Auroral fragmentation into patches. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8249-8261	1.6	18
263	Significance of Wave-Particle Interaction Analyzer for direct measurements of nonlinear wave-particle interactions. <i>Annales Geophysicae</i> , 2013 , 31, 503-512	2	18
262	A numerical electromagnetic linear dispersion relation for Maxwellian ring-beam velocity distributions. <i>Physics of Plasmas</i> , 2012 , 19, 072107	2.1	18
261	SOLAR RADIO TYPE-I NOISE STORM MODULATED BY CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , 2012 , 744, 167	4.7	18
260	Software-type WaveParticle Interaction Analyzer on board the Arase satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	17
259	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
258	Observation of pulsating aurora signatures in cosmic noise absorption data. <i>Geophysical Research Letters</i> , 2017 , 44, 5292-5300	4.9	17
257	Coordinated observations of postmidnight irregularities and thermospheric neutral winds and temperatures at low latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7504-7518	2.6	17
256	Relativistic electron flux forecast at geostationary orbit using Kalman filter based on multivariate autoregressive model. <i>Space Weather</i> , 2013 , 11, 79-89	3.7	17
255	Development of an automatic procedure to estimate the reflection height of tweek atmospherics. <i>Earth, Planets and Space</i> , 2008 , 60, 837-843	2.9	17
254	Large enhancement of the outer belt electrons during magnetic storms. <i>Earth, Planets and Space</i> , 2001 , 53, 1163-1170	2.9	17
253	Electrostatic Electron Cyclotron Harmonic Waves as a Candidate to Cause Pulsating Auroras. <i>Geophysical Research Letters</i> , 2018 , 45, 12,661	4.9	17
252	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS-ASI observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
251	Stereoscopic determination of all-sky altitude map of aurora using two ground-based Nikon DSLR cameras. <i>Annales Geophysicae</i> , 2013 , 31, 1543-1548	2	16
250	AKR breakup and auroral particle acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		16

249	Energetic electron variation in the outer radiation zone during early May 1998 magnetic storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000 , 62, 1405-1412	2	16
248	Vertical evolution of auroral acceleration at substorm onset. <i>Annales Geophysicae</i> , 2009 , 27, 525-535	2	16
247	Transport and loss of the inner plasma sheet electrons: THEMIS observations. <i>Journal of Geophysical Research</i> , 2011 , 116,		15
246	Long-term variations in tweek reflection height in the D and lower E regions of the ionosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		15
245	Global Characteristics of Field-Aligned Acceleration Processes Associated with Auroral Arcs.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1991 , 43, 691-719		15
244	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 12,125-12,134	4.9	15
243	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
242	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. <i>Scientific Reports</i> , 2020 , 10, 3380	4.9	14
241	Turbulent microstructures and formation of folds in auroral breakup arc. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		14
240	The Optical Mesosphere Thermosphere Imagers (OMTIs) for network measurements of aurora and airglow 2009 ,		14
239	Hilbert-Huang Transform of geomagnetic pulsations at auroral expansion onset. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		14
238	DISCOVERY OF DIFFUSE HARD X-RAY EMISSION AROUND JUPITER WITH SUZAKU. <i>Astrophysical Journal Letters</i> , 2010 , 709, L178-L182	7.9	14
237	ERG IA small-satellite mission to investigate the dynamics of the inner magnetosphere. <i>Advances in Space Research</i> , 2006 , 38, 1861-1869	2.4	14
236	Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae. <i>Scientific Reports</i> , 2021 , 11, 13724	4.9	14
235	Real Time and Automatic Analysis Program for WASAVIES: Warning System for Aviation Exposure to Solar Energetic Particles. <i>Space Weather</i> , 2018 , 16, 924-936	3.7	14
234	Geospace exploration project: Arase (ERG). <i>Journal of Physics: Conference Series</i> , 2017 , 869, 012095	0.3	13
233	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8640-8660	2.6	13
232	JUXTA: A new probe of X-ray emission from the Jupiter system. <i>Advances in Space Research</i> , 2013 , 51, 1605-1621	2.4	13

231	Ground and satellite observations of low-latitude red auroras at the initial phase of magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 256-270	2.6	13
230	Suzaku Observation of Strong Solar-Wind Charge-Exchange Emission from the Terrestrial Exosphere during a Geomagnetic Storm. <i>Publication of the Astronomical Society of Japan</i> , 2013 , 65, 63	3.2	13
229	DRIFT-KINETIC MODELING OF PARTICLE ACCELERATION AND TRANSPORT IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2010 , 714, 332-342	4.7	13
228	Observed correlation between pulsating aurora and chorus waves at Syowa Station in Antarctica: A case study. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		13
227	Dynamic variations of a convection flow reversal in the subauroral postmidnight sector as seen by the SuperDARN Hokkaido HF radar. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	13
226	Microtype III Radio Bursts. <i>Astrophysical Journal</i> , 2007 , 657, 567-576	4.7	13
225	Comparative study of outer-zone relativistic electrons observed by Akebono and CRRES. <i>Journal of Geophysical Research</i> , 2005 , 110,		13
224	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	4.9	13
223	Compound auroral micromorphology: ground-based high-speed imaging. <i>Earth, Planets and Space</i> , 2015 , 67, 23	2.9	12
222	Discovery of 1Hz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. <i>Geophysical Research Letters</i> , 2018 , 45, 1209-1217	4.9	12
221	Relativistic electron microbursts and variations in trapped MeV electron fluxes during the 89 October 2012 storm: SAMPEX and Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016 , 43, 3017-3025	4.9	12
220	Variations of nitric oxide in the mesosphere and lower thermosphere over Antarctica associated with a magnetic storm in April 2012. <i>Geophysical Research Letters</i> , 2014 , 41, 2568-2574	4.9	12
219	PEAK FLUX DISTRIBUTIONS OF SOLAR RADIO TYPE-I BURSTS FROM HIGHLY RESOLVED SPECTRAL OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2013 , 768, L2	7.9	12
218	Plasma sheet changes caused by sudden enhancements of the solar wind pressure. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		12
217	Effect of solar wind variation on low-energy O+ populations in the magnetosphere during geomagnetic storms: FAST observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		12
216	Electron flux enhancement in the inner radiation belt during moderate magnetic storms. <i>Annales Geophysicae</i> , 2007 , 25, 1359-1364	2	12
215	AKR disappearance during magnetic storms. <i>Journal of Geophysical Research</i> , 2003 , 108,		12
214	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	12

213	Ion Energies Dominating Energy Density in the Inner Magnetosphere: Spatial Distributions and Composition, Observed by Arase/MEP-i. <i>Geophysical Research Letters</i> , 2018 , 45, 12,153-12,162	4.9	12
212	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
211	Energetic electron precipitation and auroral morphology at the substorm recovery phase. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6508-6527	2.6	11
210	Propagation and linear mode conversion of magnetosonic and electromagnetic ion cyclotron waves in the radiation belts. <i>Geophysical Research Letters</i> , 2016 , 43, 10,034-10,039	4.9	11
209	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
208	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
207	Height-dependent ionospheric variations in the vicinity of nightside poleward expanding aurora after substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4146-4156	2.6	11
206	Ion hole formation and nonlinear generation of electromagnetic ion cyclotron waves: THEMIS observations. <i>Geophysical Research Letters</i> , 2017 , 44, 8730-8738	4.9	11
205	Statistical study of ELF/VLF emissions at subauroral latitudes in Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8455-8469	2.6	11
204	Ground-based ELF/VLF chorus observations at subauroral latitudes VLF-CHAIN Campaign. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7363-7379	2.6	11
203	Electron and wave characteristics observed by the THEMIS satellites near the magnetic equator during a pulsating aurora. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
202	Whistler mode chorus enhancements in association with energetic electron signatures in the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		11
201	Spatial-temporal characteristics of flickering aurora as seen by high-speed EMCCD imaging observations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		11
200	Fine scale structures of pulsating auroras in the early recovery phase of substorm using ground-based EMCCD camera. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
199	Simultaneous entry of oxygen ions originating from the Sun and Earth into the inner magnetosphere during magnetic storms. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		11
198	Development of low-cost multi-wavelength imager system for studies of aurora and airglow. <i>Polar Science</i> , 2020 , 23, 100501	2.3	11
197	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes. <i>Geophysical Research Letters</i> , 2016 , 43, 7859-7866	4.9	11
196	Statistical Analysis of SAR Arc Detachment From the Main Oval Based on 11-Year, All-Sky Imaging Observation at Athabasca, Canada. <i>Geophysical Research Letters</i> , 2018 , 45, 11,539-11,546	4.9	11

195	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	4.9	11
194	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	4.9	11
193	Spatial Distribution of Fine-Structured and Unstructured EMIC Waves Observed by the Arase Satellite. <i>Geophysical Research Letters</i> , 2018 , 45, 11,530-11,538	4.9	11
192	Comprehensive Observations of Substorm-Enhanced Plasmaspheric Hiss Generation, Propagation, and Dissipation. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086040	4.9	10
191	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
190	Theory, modeling, and integrated studies in the Arase (ERG) project. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	10
189	A direct link between chorus emissions and pulsating aurora on timescales from milliseconds to minutes: A case study at subauroral latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9617-9631	2.6	10
188	Effect of R2-FAC development on the ionospheric electric field pattern deduced by a global ionospheric potential solver. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		10
187	Self-consistent kinetic numerical simulation model for ring current particles in the Earth's inner magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
186	Ground-based multispectral high-speed imaging of flickering aurora. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	10
185	CORONAL ELECTRON DISTRIBUTION IN SOLAR FLARES: DRIFT-KINETIC MODEL. <i>Astrophysical Journal</i> , 2011 , 732, 111	4.7	10
184	Pitch angle distribution of relativistic electrons in the inner radiation belt and its relation to equatorial plasma wave turbulence phenomena. <i>Geophysical Research Letters</i> , 2001 , 28, 931-934	4.9	10
183	Storm time impulsive enhancements of energetic oxygen due to adiabatic acceleration of preexisting warm oxygen in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7739-7752	2.6	10
182	Lower thermospheric wind variations in auroral patches during the substorm recovery phase. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3564-3577	2.6	10
181	Large-Scale Ducting of Pc1 Pulsations Observed by Swarm Satellites and Multiple Ground Networks. <i>Geophysical Research Letters</i> , 2018 , 45, 12,703	4.9	10
180	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, 10,177-10,184	4.9	10
179	SPECTRAL STRUCTURES AND THEIR GENERATION MECHANISMS FOR SOLAR RADIO TYPE-I BURSTS. <i>Astrophysical Journal</i> , 2014 , 789, 4	4.7	9
178	Daytime tweek atmospheric. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 654-665	2.6	9

177	Response of the Jovian thermosphere to variations in solar EUV flux. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3664-3682	2.6	9
176	SuperDARN Hokkaido radar observation of westward flow enhancement in subauroral latitudes. <i>Annales Geophysicae</i> , 2009 , 27, 1695-1699	2	9
175	Rotationally driven quasi-periodic radio emissions in the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 2006 , 111,		9
174	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
173	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
172	Data processing in Software-type WaveParticle Interaction Analyzer onboard the Arase satellite. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	9
171	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
170	Substructures with luminosity modulation and horizontal oscillation in pulsating patch: Principal component analysis application to pulsating aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2360-2373	2.6	8
169	Ground-based observations of nitric oxide in the mesosphere and lower thermosphere over Antarctica in 2012-2013. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7745-7761	2.6	8
168	Relativistic electron precipitations in association with diffuse aurora: Conjugate observation of SAMPEX and the all-sky TV camera at Syowa Station. <i>Geophysical Research Letters</i> , 2015 , 42, 4702-4708	4.9	8
167	Relation between the short-term variation of the Jovian radiation belt and thermosphere derived from radio and infrared observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6614-6623	2.6	8
166	Statistical study of auroral fragmentation into patches. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6207-6217	2.6	8
165	Reflection height of daytime tweek atmospherics during the solar eclipse of 22 July 2009. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		8
164	The magnetosphere under weak solar wind forcing. <i>Annales Geophysicae</i> , 2007 , 25, 191-205	2	8
163	Energetic particle precipitation in the Brazilian geomagnetic anomaly during the Bastille Day storm of July 2000. <i>Earth, Planets and Space</i> , 2006 , 58, 607-616	2.9	8
162	High-speed stereoscopy of aurora. <i>Annales Geophysicae</i> , 2016 , 34, 41-44	2	8
161	Rapid increase in relativistic electron flux controlled by nonlinear phase trapping of whistler chorus elements. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6573-6589	2.6	8
160	Possible generation mechanisms for Pc1 pearl structures in the ionosphere based on 6 years of ground observations in Canada, Russia, and Japan. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4409-4424	2.6	8

159	Polarization analysis of VLF/ELF waves observed at subauroral latitudes during the VLF-CHAIN campaign. <i>Earth, Planets and Space</i> , 2015 , 67, 21	2.9	7
158	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
157	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
156	Substorm onset process: Ignition of auroral acceleration and related substorm phases. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1044-1059	2.6	7
155	Isolated Proton Auroras and Pc1/EMIC Waves at Subauroral Latitudes. <i>Geophysical Monograph Series</i> , 2015 , 59-70	1.1	7
154	Fundamental characteristics of field-aligned auroral acceleration derived from AKR spectra. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		7
153	On the simultaneity of substorm onset between two hemispheres. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		7
152	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
151	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
150	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
149	First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 2017 , 44, 3963-3970	4.9	6
148	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
147	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
146	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
145	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
144	Electron properties in inverted-V structures and their vicinities based on Reimei observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3650-3663	2.6	6
143	Statistical properties of the multiple ion band structures observed by the FAST satellite. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		6
142	Thermospheric wind variations observed by a Fabry-Perot interferometer at Tromsø, Norway, at substorm onsets. <i>Earth, Planets and Space</i> , 2019 , 71,	2.9	6

141	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
140	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
139	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
138	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. <i>Geophysical Research Letters</i> , 2018 , 45, 13,199	4.9	6
137	Substorm-Associated Ionospheric Flow Fluctuations During the 27 March 2017 Magnetic Storm: SuperDARN-Arase Conjunction. <i>Geophysical Research Letters</i> , 2018 , 45, 9441-9449	4.9	6
136	Giant Pulsations Excited by a Steep Earthward Gradient of Proton Phase Space Density: Arase Observation. <i>Geophysical Research Letters</i> , 2018 , 45, 6773-6781	4.9	6
135	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
134	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
133	Visualization tool for three-dimensional plasma velocity distributions (ISEE_3D) as a plug-in for SPEDAS. <i>Earth, Planets and Space</i> , 2017 , 69,	2.9	5
132	Quasi-periodic rapid motion of pulsating auroras. <i>Polar Science</i> , 2016 , 10, 183-191	2.3	5
131	Introduction to special section on pulsating aurora and related magnetospheric phenomena. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5341-5343	2.6	5
130	Universal time control of AKR: Earth is a spin-modulated variable radio source. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1123-1131	2.6	5
129	Solar system planets observed with Suzaku. <i>Advances in Space Research</i> , 2011 , 47, 411-418	2.4	5
128	Flux Enhancement of Relativistic Electrons Associated with Substorms 2016 , 333-353		5
127	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
126	Space weather benchmarks on Japanese society. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	5
125	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
124	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

123	A proposal on the study of solar-terrestrial coupling processes with atmospheric radars and ground-based observation network. <i>Radio Science</i> , 2016 , 51, 1587-1599	1.4	5
122	Automatic Electron Density Determination by Using a Convolutional Neural Network. <i>IEEE Access</i> , 2019 , 7, 163384-163394	3.5	5
121	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	2.6	5
120	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
119	Suzaku observation of Jupiter's X-rays around solar maximum. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	4
118	Observational evidence of electron pitch angle scattering driven by ECH waves. <i>Geophysical Research Letters</i> , 2014 , 41, 8076-8080	4.9	4
117	Conjugate observation of auroral finger-like structures by ground-based all-sky cameras and THEMIS satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7291-7306	2.6	4
116	Two-Step Acceleration of Auroral Particles at Substorm Onset as Derived From Auroral Kilometric Radiation Spectra. <i>Geophysical Monograph Series</i> , 2013 , 279-286	1.1	4
115	Study of Pc1 pearl structures observed at multi-point ground stations in Russia, Japan, and Canada. <i>Earth, Planets and Space</i> , 2014 , 66,	2.9	4
114	On the spatial extent of the proton radiation belt from solar cell output variation of the Akebono satellite. <i>Advances in Space Research</i> , 2014 , 53, 1603-1609	2.4	4
113	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
112	Ultralightweight x-ray telescope missions: ORBIS and GEO-X. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	4
111	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
110	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
109	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
108	Stepwise tailward retreat of magnetic reconnection: THEMIS observations of an auroral substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4548-4568	2.6	4
107	Modulation of Pc1 Wave Ducting by Equatorial Plasma Bubble. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088054	4.9	4
106	Global Distribution of ULF Waves During Magnetic Storms: Comparison of Arase, Ground Observations, and BATSRUS+CRCM Simulation. <i>Geophysical Research Letters</i> , 2018 , 45, 9390-9397	4.9	4

105	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	4.9	4
104	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	4.9	4
103	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed on and off the Magnetic Equator. <i>Geophysical Research Letters</i> , 2018 , 45, 7918-7926	4.9	4
102	Magnetospheric Source Region of Auroral Finger-like Structures Observed by the RBSP-A Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7513-7522	2.6	4
101	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
100	Superfast precipitation of energetic electrons in the radiation belts of the Earth.. <i>Nature Communications</i> , 2022 , 13, 1611	17.4	4
99	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
98	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
97	An empirical modeling of spatial distribution of trapped protons from solar cell degradation of the Akebono satellite. <i>Advances in Space Research</i> , 2015 , 56, 2575-2581	2.4	3
96	Simultaneous observations of magnetospheric ELF/VLF emissions in Canada, Finland, and Antarctica. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6442-6454	2.6	3
95	Narrowband frequency-drift structures in solar type IV bursts. <i>Earth, Planets and Space</i> , 2013 , 65, 1555-1562	2.6	3
94	A LENA Instrument onboard BepiColombo and Chandrayaan-1 2009 ,		3
93	Duration of Jovian magnetospheric disturbances inferred from decametric radio storms. <i>Earth, Planets and Space</i> , 2002 , 54, e1277-e1281	2.9	3
92	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	3
91	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
90	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
89	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
88	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

87	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
86	Harmonization of RBSP and Arase Energetic Electron Measurements Utilizing ESA Radiation Monitor Data. <i>Space Weather</i> , 2021 , 19, e2020SW002692	3.7	3
85	Active auroral arc powered by accelerated electrons from very high altitudes. <i>Scientific Reports</i> , 2021 , 11, 1610	4.9	3
84	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
83	Auroral molecular-emission effects on the atomic oxygen line at 777.4nm. <i>Earth, Planets and Space</i> , 2018 , 70, 166	2.9	3
82	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
81	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
80	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
79	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
78	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
77	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
76	Radiation background and dose estimates for future X-ray observations in the Jovian magnetosphere. <i>Planetary and Space Science</i> , 2013 , 75, 129-135	2	2
75	SOLAR MICRO-TYPE III BURST STORMS AND LONG DIPOLAR MAGNETIC FIELD IN THE OUTER CORONA. <i>Astrophysical Journal</i> , 2015 , 808, 191	4.7	2
74	Fine-Scale Characteristics of Black Aurora and its Generation Process. <i>Geophysical Monograph Series</i> , 2013 , 271-278	1.1	2
73	Storm-time electron flux precipitation in the inner radiation belt caused by wave-particle interactions. <i>Annales Geophysicae</i> , 2009 , 27, 1669-1677	2	2
72	Estimation of the emission altitude of pulsating aurora using the five-wavelength photometer. <i>Earth, Planets and Space</i> , 2020 , 72,	2.9	2
71	A ground-based instrument suite for integrated high-time resolution measurements of pulsating aurora with Arase		2
70	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

69	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	2
68	Formation of the Low-Energy Binge Ion Spectral Structure Near the Inner Edge of the Plasma Sheet. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089875	4.9	2
67	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	2
66	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
65	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
64	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
63	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
62	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	2.6	2
61	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
60	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
59	Development of space environment customized risk estimation for satellites (SECURES). <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	2
58	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
57	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
56	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
55	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
54	Special issue International CAWSES-II Symposium <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	1
53	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
52	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

51	Simultaneous measurements of cores in multi-core fibre using OTDR and fan-in/out devices 2015 ,		1
50	Suzaku observations of charge exchange emission from solar system objects. <i>Astronomische Nachrichten</i> , 2012 , 333, 319-323	0.7	1
49	Microburst cusp ion precipitation observed with Reimei. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		1
48	Observation of short term variation of Jovian synchrotron radiation at a frequency of 2290MHz. <i>Advances in Space Research</i> , 2000 , 26, 1533-1536	2.4	1
47	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
46	Science Output from Pc 5 Pulsation Study by the ERG Spacecraft. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2012 , 10, Tr_11-Tr_15	0.3	1
45	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
44	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
43	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
42	ISEE_Wave: interactive plasma wave analysis tool. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	1
41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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

33	Statistical Analysis of Pc1 Wave Ducting Deduced From Swarm Satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029016	2.6	1
32	Magnetic Field Dipolarization and Its Associated Ion Flux Variations in the Dawnside Deep Inner Magnetosphere: Arase Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 7942-7950	4.9	1
31	PSTEP: project for solar terrestrial environment prediction. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	1
30	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
29	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
28	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
27	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
26	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
25	Asymmetric Development of Auroral Surges in the Northern and Southern Hemispheres. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088750	4.9	0
24	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
23	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
22	Ionospheric Plasma Density Oscillation Related to EMIC Pc1 Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089000	4.9	0
21	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	0
20	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
19	Over-Darkening of Pulsating Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028838	2.6	0
18	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
17	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
16	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

15	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	o
14	Electron density variability of nighttime D region ionosphere in Vietnamese and Japanese sectors. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6543-6551	2.6	
13	Planetary plasma and atmospheres explored by space missions in Japan: Hisaki, Akatsuki, and beyond. <i>Journal of Physics: Conference Series</i> , 2017 , 869, 012094	0.3	
12	0.5-4 Å X-RAY BRIGHTENINGS IN THE MAGNETOSPHERE OBSERVED BY THE GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITES. <i>Astrophysical Journal</i> , 2013 , 775, 121	4.7	
11	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	
10	ULF modulation of energetic electron precipitation observed by VLF/LF radio propagation. <i>URSI Radio Science Bulletin</i> , 2020 , 2020, 29-40	0.1	
9	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	
8	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	
7	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	
6	SMICOUPLING DURING THE SUPER STORM ON 2021 NOVEMBER 2003 2009 , 237-244		
5	Statistical properties of auroral kilometer radiation: based on ERG (ARASE) satellite data. <i>Solneĉo-zemnaĹFizika</i> , 2021 , 7, 13-20	0.3	
4	Extremely Collimated Electron Beams in the High Latitude Magnetosphere Observed by Arase. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090522	4.9	
3	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	
2	Long-Term Monitoring of Energetic Protons at the Bottom of Earth's Radiation Belt. <i>Space Weather</i> , 2021 , 19, e2020SW002611	3.7	
1	Signatures of auroral potential structure extending through the near-equatorial inner magnetosphere. <i>Geophysical Research Letters</i> ,	4.9	