Kazuo Shiokawa

List of Publications by Year in Descending Order

261 papers	7,578 citations	45 h-index	78 g-index
273 ext. papers	8,643 ext. citations	3.2 avg, IF	5.74 L-index

#	Paper	IF	Citations
261	Spatio-Temporal Characteristics of Energetic Lightning in Southeast Asia: Preliminary Statistical Results. *Lecture Notes in Electrical Engineering*, **2022**, 317-327	0.2	
260	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,	4.9	1
259	Slow Contraction of Flash Aurora Induced by an Isolated Chorus Element Ranging From Lower-Band to Upper-Band Frequencies in the Source Region. *Geophysical Research Letters*, **2022**, 49,	4.9	1
258	Predictability of variable solar–terrestrial coupling. *Annales Geophysicae*, **2021**, 39, 1013-1035	2	3
257	Study of an Equatorward Detachment of Auroral Arc From the Oval Using Ground-Space Observations and the BATS-R-US–CIMI Model. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029080	2.6	1
256	Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A, and Ground Stations. *Geophysical Research Letters*, **2021**, 48, e2021GL096488	4.9	2
255	Auroral Heating of Plasma Patches Due to High-Latitude Reconnection. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029657	2.6	
254	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	2.6	
253	Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-Storm-Time Substorms. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029081	2.6	1
252	Magnetic Conjugacy of Pc1 Waves and Isolated Proton Precipitation at Subauroral Latitudes: Importance of Ionosphere as Intensity Modulation Region. *Geophysical Research Letters*, **2021**, 48, e2020GL091384	4.9	3
251	A review of the SCOSTEP 5-year scientific program VarSITI (Variability of the Sun and Its Terrestrial Impact. *Progress in Earth and Planetary Science*, **2021**, 8,	3.9	7
250	Influence of Zonal Wind Velocity Variation on Equatorial Plasma Bubble Occurrences Over Southeast Asia. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028994	2.6	2
249	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. *Progress in Earth and Planetary Science*, **2021**, 8,	3.9	5
248	ISEE_Wave: interactive plasma wave analysis tool. *Earth, Planets and Space*, **2021**, 73,	2.9	1
247	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All-Sky Camera and Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029078	2.6	3
246	The Characteristics of EMIC Waves in the Magnetosphere Based on the Van Allen Probes and Arase Observations. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029001	2.6	5
245	The Link Between Wedge-Like and Nose-Like Ion Spectral Structures in the Inner Magnetosphere. *Geophysical Research Letters*, **2021**, 48, e2021GL093930	4.9	1

244	Spatial Evolution of Wave-Particle Interaction Region Deduced From Flash-Type Auroras and Chorus-Ray Tracing. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029254	2.6	1
243	Active auroral arc powered by accelerated electrons from very high altitudes. *Scientific Reports*, **2021**, 11, 1610	4.9	3
242	Multi-Wavelength Imaging Observations of STEVE at Athabasca, Canada. *Journal of Geophysical Research: Space Physics*, **2021**, 126, 2020JA028622	2.6	3
241	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. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028216	2.6	1
240	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	2.6	1
239	Investigation of Small-Scale Electron Density Irregularities Observed by the Arase and Van Allen Probes Satellites Inside and Outside the Plasmasphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA027917	2.6	1
238	GPS Scintillations and TEC Variations in Association With a Polar Cap Arc. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028968	2.6	1
237	Statistical Analysis of Pc1 Wave Ducting Deduced From Swarm Satellites. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029016	2.6	1
236	PSTEP: project for solar-terrestrial environment prediction. *Earth, Planets and Space*, **2021**, 73,	2.9	1
235	An experimental investigation into the possible connections between the zonal neutral wind speeds and equatorial plasma bubble drift velocities over the African equatorial region. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2021**, 220, 105663	2	1
234	Isolated Proton Aurora Driven by EMIC Pc1 Wave: PWING, Swarm, and NOAA POES Multi-Instrument Observations. *Geophysical Research Letters*, **2021**, 48, e2021GL095090	4.9	4
233	Simultaneous Pulsating Aurora and Microburst Observations With Ground-Based Fast Auroral Imagers and CubeSat FIREBIRD-II. *Geophysical Research Letters*, **2021**, 48, e2021GL094494	4.9	2
232	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. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029309	2.6	
231	Periodicities and Colors of Pulsating Auroras: DSLR Camera Observations From the International Space Station. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029564	2.6	0
230	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	2.6	2
229	Development of research capacities in space weather: a successful international cooperation. *Journal of Space Weather and Space Climate*, **2021**, 11, 28	2.5	0
228	Cross-Energy Couplings from Magnetosonic Waves to Electromagnetic Ion Cyclotron Waves through Cold Ion Heating inside the Plasmasphere.. *Physical Review Letters*, **2021**, 127, 245101	7.4	0
227	First Direct Observations of Propagation of Discrete Chorus Elements From the Equatorial Source to Higher Latitudes, Using the Van Allen Probes and Arase Satellites. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028315	2.6	8

226	Severe Magnetic Fluctuations in the Near-Earth Magnetotail: Spectral Analysis and Dependence on Solar Activity. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027834	2.6	
225	Dilatory and Downward Development of 3-m Scale Irregularities in the Funnel-Like Region of a Rapidly Rising Equatorial Plasma Bubble. *Geophysical Research Letters*, **2020**, 47, e2020GL087256	4.9	2
224	Asymmetric Development of Auroral Surges in the Northern and Southern Hemispheres. *Geophysical Research Letters*, **2020**, 47, e2020GL088750	4.9	0
223	Statistical study of EMIC Pc1-Pc2 waves observed at subauroral latitudes. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2020**, 205, 105292	2	3
222	Equatorial Plasma Bubble Zonal Drift Velocity Variations in Response to Season, Local Time, and Solar Activity across Southeast Asia. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027521	2.6	1
221	Multievent Analysis of Oscillatory Motion of Medium-Scale Traveling Ionospheric Disturbances Observed by a 630-nm Airglow Imager Over Troms *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027598	2.6	2
220	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. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA026807	2.6	6
219	Fine-Scale Visualization of Aurora in a Wide Area Using Color Digital Camera Images From the International Space Station. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027729	2.6	2
218	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. *Scientific Reports*, **2020**, 10, 3380	4.9	14
217	Diffuse and Pulsating Aurora. *Space Science Reviews*, **2020**, 216, 1	7.5	33
216	Estimation of the emission altitude of pulsating aurora using the five-wavelength photometer. *Earth, Planets and Space*, **2020**, 72,	2.9	2
215	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. *Earth, Planets and Space*, **2020**, 72, 111	2.9	6
214	Development of low-cost multi-wavelength imager system for studies of aurora and airglow. *Polar Science*, **2020**, 23, 100501	2.3	11
213	Conjugate Observations of Dayside and Nightside VLF Chorus and QP Emissions Between Arase (ERG) and Kannuslehto, Finland. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA026663	2.6	9
212	An Ephemeral Red Arc Appeared at 68 MLat at a Pseudo Breakup During Geomagnetically Quiet Conditions. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028468	2.6	3
211	Arase Observation of the Source Region of Auroral Arcs and Diffuse Auroras in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027310	2.6	5
210	Ionospheric Plasma Density Oscillation Related to EMIC Pc1 Waves. *Geophysical Research Letters*, **2020**, 47, e2020GL089000	4.9	0
209	The Solar Wind Density Control on the Prompt Penetration Electric Field and Equatorial Electrojet. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027869	2.6	2

208	Two-Dimensional Hybrid Particle-in-Cell Simulations of Magnetosonic Waves in the Dipole Magnetic Field: On a Constant L-Shell. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028414	2.6	4
207	Plasma and Field Observations in the Magnetospheric Source Region of a Stable Auroral Red (SAR) Arc by the Arase Satellite on 28 March 2017. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028068	2.6	4
206	Equatorial Plasma Bubble Occurrence Under Propagation of MSTID and MLT Gravity Waves. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027566	2.6	3
205	Spatial Extent of Quasiperiodic Emissions Simultaneously Observed by Arase and Van Allen Probes on 29 November 2018. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028126	2.6	4
204	Plasma Waves Causing Relativistic Electron Precipitation Events at International Space Station: Lessons From Conjunction Observations With Arase Satellite. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027875	2.6	3
203	Modulation of Pc1 Wave Ducting by Equatorial Plasma Bubble. *Geophysical Research Letters*, **2020**, 47, e2020GL088054	4.9	4
202	Direct Comparison Between Magnetospheric Plasma Waves and Polar Mesosphere Winter Echoes in Both Hemispheres. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9626-9639	2.6	2
201	Transient ionization of the mesosphere during auroral breakup: Arase satellite and ground-based conjugate observations at Syowa Station. *Earth, Planets and Space*, **2019**, 71,	2.9	6
200	Visualization of rapid electron precipitation via chorus element wave-particle interactions. *Nature Communications*, **2019**, 10, 257	17.4	22
199	Comprehensive Study of Low-Latitude Pi2 Pulsations Using Observations From Multisatellite Swarm Mission and Global Network of Ground Observatories. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1966-1991	2.6	5
198	Observations of Low-Latitude Traveling Ionospheric Disturbances by a 630.0-nm Airglow Imager and the CHAMP Satellite Over Indonesia. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2198-2212	2.6	5
197	EMIC Waves Converted From Equatorial Noise Due to M/Q = 2 Ions in the Plasmasphere: Observations From Van Allen Probes and Arase. *Geophysical Research Letters*, **2019**, 46, 5662-5669	4.9	20
196	Multi-instrument Observation of Nonlinear EMIC-Driven Electron Precipitation at sub‐MeV Energies. *Geophysical Research Letters*, **2019**, 46, 7248-7257	4.9	16
195	Mesoscale Convection Structures Associated With Airglow Patches Characterized Using Cluster-Imager Conjunctions. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7513-7532	2.6	2
194	Statistical Study of Auroral/Resonant-Scattering 427.8-nm Emission Observed at Subauroral Latitudes Over 14 Years. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9293-9301	2.6	5
193	Longitudinal Extent of Magnetospheric ELF/VLF Waves using Multipoint PWING Ground Stations at Subauroral Latitudes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9881-9892	2.6	1
192	IpsDst of Dst Storms Applied to Ionosphere-Thermosphere Storms and Low-Latitude Aurora. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9552-9565	2.6	2
191	Thermospheric wind variations observed by a Fabry‐Perot interferometer at Troms, Norway, at substorm onsets. *Earth, Planets and Space*, **2019**, 71,	2.9	6

190	Preliminary results of simultaneous recording of auroral and geomagnetic pulsations at the ISTP SB RAS station Istok. *Solnečno-zemnaâ Fizika*, **2019**, 5, 39-44	1	1
189	Preliminary results of simultaneous recording of auroral and geomagnetic pulsations at the ISTP SB RAS station Istok. *Solnečno-zemnaâ Fizika*, **2019**, 5, 42-48	0.2	
188	High-latitude thermospheric wind study using a Fabry–Perot interferometer at Tromsø in Norway: averages and variations during quiet times. *Earth, Planets and Space*, **2019**, 71,	2.9	1
187	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. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8110-8124	2.6	6
186	Three Different Episodes of Prompt Equatorial Electric Field Perturbations Under Steady Southward IMF Bz During St. Patrick's Day Storm. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 10428-10443	2.6	5
185	Capability of Geomagnetic Storm Parameters to Identify Severe Space Weather. *Astrophysical Journal*, **2019**, 887, 51	4.7	6
184	Discovery of 1-Hz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. *Geophysical Research Letters*, **2018**, 45, 1209-1217	4.9	12
183	Onboard software of Plasma Wave Experiment aboard Arase: instrument management and signal processing of Waveform Capture/Onboard Frequency Analyzer. *Earth, Planets and Space*, **2018**, 70,	2.9	49
182	Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based all-sky images. *Earth, Planets and Space*, **2018**, 70, 73	2.9	3
181	Medium-Scale Traveling Ionospheric Disturbances Observed by Detrended Total Electron Content Maps Over Brazil. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2215	2.6	16
180	On the Role of Thermospheric Winds and Sporadic E Layers in the Formation and Evolution of Electrified MSTIDs in Geomagnetic Conjugate Regions. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6957-6980	2.6	24
179	The ARASE (ERG) magnetic field investigation. *Earth, Planets and Space*, **2018**, 70,	2.9	88
178	Theory, modeling, and integrated studies in the Arase (ERG) project. *Earth, Planets and Space*, **2018**, 70,	2.9	10
177	Statistical Study of Phase Relationship Between Magnetic and Plasma Pressures in the Near-Earth Nightside Magnetosphere Using the THEMIS-E Satellite. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9517-9531	2.6	3
176	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. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6930-6947	2.6	9
175	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. *Earth, Planets and Space*, **2018**, 70,	2.9	66
174	Comparison of gravity wave propagation directions observed by mesospheric airglow imaging at three different latitudes using the M-transform. *Annales Geophysicae*, **2018**, 36, 1597-1605	2	4
173	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. *Geophysical Research Letters*, **2018**, 45, 13,199	4.9	6

172	Electrostatic Electron Cyclotron Harmonic Waves as a Candidate to Cause Pulsating Auroras. *Geophysical Research Letters*, **2018**, 45, 12,661	4.9	17
171	Geospace exploration project ERG. *Earth, Planets and Space*, **2018**, 70,	2.9	135
170	The ERG Science Center. *Earth, Planets and Space*, **2018**, 70,	2.9	84
169	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. *Earth, Planets and Space*, **2018**, 70,	2.9	92
168	Equatorial plasma bubble seeding by MSTIDs in the ionosphere. *Progress in Earth and Planetary Science*, **2018**, 5,	3.9	22
167	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. *Geophysical Research Letters*, **2018**, 45, 12,125-12,134	4.9	15
166	Rapid Loss of Relativistic Electrons by EMIC Waves in the Outer Radiation Belt Observed by Arase, Van Allen Probes, and the PWING Ground Stations. *Geophysical Research Letters*, **2018**, 45, 12,720	4.9	13
165	Large-Scale Ducting of Pc1 Pulsations Observed by Swarm Satellites and Multiple Ground Networks. *Geophysical Research Letters*, **2018**, 45, 12,703	4.9	10
164	Statistical Analysis of SAR Arc Detachment From the Main Oval Based on 11-Year, All-Sky Imaging Observation at Athabasca, Canada. *Geophysical Research Letters*, **2018**, 45, 11,539-11,546	4.9	11
163	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed With Ground-Based Multi-Instruments on 27 March 2017. *Geophysical Research Letters*, **2018**, 45, 13,182	4.9	11
162	Global Distribution of ULF Waves During Magnetic Storms: Comparison of Arase, Ground Observations, and BATSRUS+CRCM Simulation. *Geophysical Research Letters*, **2018**, 45, 9390-9397	4.9	4
161	Purple Auroral Rays and Global Pc1 Pulsations Observed at the CIR-Associated Solar Wind Density Enhancement on 21 March 2017. *Geophysical Research Letters*, **2018**, 45, 10,819	4.9	4
160	Energetic Electron Precipitation Associated With Pulsating Aurora Observed by VLF Radio Propagation During the Recovery Phase of a Substorm on 27 March 2017. *Geophysical Research Letters*, **2018**, 45, 12,651	4.9	4
159	Magnetospheric Source Region of Auroral Finger-like Structures Observed by the RBSP-A Satellite. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 7513-7522	2.6	4
158	Investigation of Nighttime MSTIDS Observed by Optical Thermosphere Imagers at Low Latitudes: Morphology, Propagation Direction, and Wind Filtering. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 7843-7857	2.6	12
157	Periodic Oscillations in the D Region Ionosphere After the 2011 Tohoku Earthquake Using LF Standard Radio Waves. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5261-5270	2.6	2
156	Localized polar cap precipitation in association with nonstorm time airglow patches. *Geophysical Research Letters*, **2017**, 44, 609-617	4.9	7
155	Large-scale traveling ionospheric disturbances observed by GPS dTEC maps over North and South America on Saint Patrick's Day storm in 2015. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4755-4763	2.6	24

154	First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves. *Geophysical Research Letters*, **2017**, 44, 3963-3970	4.9	6
153	Contribution of storm time substorms to the prompt electric field disturbances in the equatorial ionosphere. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5568-5578	2.6	12
152	Electron density variability of nighttime D region ionosphere in Vietnamese and Japanese sectors. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6543-6551	2.6	
151	A scheme for forecasting severe space weather. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 2824-2835	2.6	20
150	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. *Earth, Planets and Space*, **2017**, 69,	2.9	51
149	Wire Probe Antenna (WPT) and Electric Field Detector (EFD) of Plasma Wave Experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results. *Earth, Planets and Space*, **2017**, 69,	2.9	42
148	Visualization tool for three-dimensional plasma velocity distributions (ISEE_3D) as a plug-in for SPEDAS. *Earth, Planets and Space*, **2017**, 69,	2.9	5
147	Statistical analysis of severe magnetic fluctuations in the near-Earth plasma sheet observed by THEMIS-E. *Annales Geophysicae*, **2017**, 35, 1131-1142	2	1
146	GPS amplitude and phase scintillation associated with polar cap auroral forms. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2017**, 164, 185-191	2	13
145	Sixteen year variation of horizontal phase velocity and propagation direction of mesospheric and thermospheric waves in airglow images at Shigaraki, Japan. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8770-8780	2.6	15
144	Conjugate observation of auroral finger-like structures by ground-based all-sky cameras and THEMIS satellites. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7291-7306	2.6	4
143	Equinoctial asymmetry in the zonal distribution of scintillation as observed by GPS receivers in Indonesia. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8947-8958	2.6	5
142	First Study on the Occurrence Frequency of Equatorial Plasma Bubbles over West Africa Using an All-Sky Airglow Imager and GNSS Receivers. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,430-12,444	2.6	7
141	Coordinated observations of postmidnight irregularities and thermospheric neutral winds and temperatures at low latitudes. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7504-7518	2.6	17
140	Simultaneous observations of magnetospheric ELF/VLF emissions in Canada, Finland, and Antarctica. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6442-6454	2.6	3
139	Ion hole formation and nonlinear generation of electromagnetic ion cyclotron waves: THEMIS observations. *Geophysical Research Letters*, **2017**, 44, 8730-8738	4.9	11
138	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 8640-8660	2.6	13
137	Pulsating proton aurora caused by rising tone Pc1 waves. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 1608-1618	2.6	18

136	Localized field-aligned currents in the polar cap associated with airglow patches. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 10,172-10,189	2.6	13
135	Propagation and linear mode conversion of magnetosonic and electromagnetic ion cyclotron waves in the radiation belts. *Geophysical Research Letters*, **2016**, 43, 10,034-10,039	4.9	11
134	EMIC waves observed at geosynchronous orbit under quiet geomagnetic conditions (Kp□1). *Journal of Geophysical Research: Space Physics*, **2016**, 121, 1377-1390	2.6	29
133	An evidence for prompt electric field disturbance driven by changes in the solar wind density under northward IMF Bz condition. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4800-4810	2.6	7
132	Substructures with luminosity modulation and horizontal oscillation in pulsating patch: Principal component analysis application to pulsating aurora. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2360-2373	2.6	8
131	Longitudinal frequency variation of long-lasting EMIC Pc1-Pc2 waves localized in the inner magnetosphere. *Geophysical Research Letters*, **2016**, 43, 1039-1046	4.9	15
130	Quasi-periodic rapid motion of pulsating auroras. *Polar Science*, **2016**, 10, 183-191	2.3	5
129	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes. *Geophysical Research Letters*, **2016**, 43, 7859-7866	4.9	11
128	Lower thermospheric wind variations in auroral patches during the substorm recovery phase. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3564-3577	2.6	10
127	ELF/VLF wave propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 5384-5393	2.6	25
126	Possible generation mechanisms for Pc1 pearl structures in the ionosphere based on 6 years of ground observations in Canada, Russia, and Japan. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4409-4424	2.6	8
125	Ionospheric TEC Weather Map Over South America. *Space Weather*, **2016**, 14, 937-949	3.7	37
124	Mesospheric ozone destruction by high-energy electron precipitation associated with pulsating aurora. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 11,852-11,861	4.4	48
123	Altitude development of postmidnight F region field-aligned irregularities observed using Equatorial Atmosphere Radar in Indonesia. *Geophysical Research Letters*, **2016**, 43, 1015-1022	4.9	15
122	A proposal on the study of solar-terrestrial coupling processes with atmospheric radars and ground-based observation network. *Radio Science*, **2016**, 51, 1587-1599	1.4	5
121	Duskside enhancement of equatorial zonal electric field response to convection electric fields during the St. Patrick's Day storm on 17 March 2015. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 538-548	2.6	74
120	Polarization analysis of VLF/ELF waves observed at subauroral latitudes during the VLF-CHAIN campaign. *Earth, Planets and Space*, **2015**, 67, 21	2.9	7
119	The geospace response to variable inputs from the lower atmosphere: a review of the progress made by Task Group 4 of CAWSES-II. *Progress in Earth and Planetary Science*, **2015**, 2,	3.9	36

118	Plasma bubble monitoring by TEC map and 630nm airglow image. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2015**, 130-131, 151-158	2	27
117	Geomagnetically conjugate observation of plasma bubbles and thermospheric neutral winds at low latitudes. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2222-2231	2.6	20
116	Compound auroral micromorphology: ground-based high-speed imaging. *Earth, Planets and Space*, **2015**, 67, 23	2.9	12
115	Isolated Proton Auroras and Pc1/EMIC Waves at Subauroral Latitudes. *Geophysical Monograph Series*, **2015**, 59-70	1.1	7
114	Localized polar cap flow enhancement tracing using airglow patches: Statistical properties, IMF dependence, and contribution to polar cap convection. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4064-4078	2.6	26
113	Daytime tweek atmospherics. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 654-665	2.6	9
112	Statistical study of ELF/VLF emissions at subauroral latitudes in Athabasca, Canada. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8455-8469	2.6	11
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