

Craig A Kletzing

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.

307
papers

12,550
citations

57
h-index

98
g-index

333
ext. papers

14,275
ext. citations

4
avg, IF

6.05
L-index

#	Paper	IF	Citations
307	Quantifying the Sheath Impedance of the Electric Double Probe Instrument on the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2022 , 127,	2.6	3
306	The Angular Distribution of Lower Band Chorus Waves Near Plasmaspheric Plumes. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	2
305	The Importance of Electron Landau Damping for the Dissipation of Turbulent Energy in Terrestrial Magnetosheath Plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126,	2.6	6
304	Results of the Electron Drift Instrument on Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029313	2.6	0
303	Electromagnetic power of lightning superbolts from Earth to space. <i>Nature Communications</i> , 2021 , 12, 3553	17.4	4
302	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
301	Laboratory measurements of the physics of auroral electron acceleration by Alfvén waves. <i>Nature Communications</i> , 2021 , 12, 3103	17.4	5
300	The Cusp as a VLF Saucer Source: First Rocket Observations of Long-Duration VLF Saucers on the Dayside. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090747	4.9	
299	TRICE 2 Observations of Low-Energy Magnetospheric Ions Within the Cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029382	2.6	1
298	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
297	Modulated Upper-Hybrid Waves Coincident With Lower-Hybrid Waves in the Cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029590	2.6	1
296	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
295	Fine Harmonic Structure of Equatorial Noise with a Quasiperiodic Modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027509	2.6	2
294	Analysis of Electric and Magnetic Lightning-Generated Wave Amplitudes Measured by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087503	4.9	7
293	Simultaneous Observations of Electromagnetic Ion Cyclotron (EMIC) Waves and Pitch Angle Scattering During a Van Allen Probes Conjunction. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027424	2.6	2
292	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
291	Flight Calibration of the Van Allen Probe Magnetometers. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 250, 4	8	

290	Multipoint observations of compressional Pc5 pulsations in the dayside magnetosphere and corresponding particle signatures. <i>Annales Geophysicae</i> , 2020 , 38, 1267-1281	2	1
289	How whistler mode hiss waves and the plasmasphere drive the quiet decay of radiation belts electrons following a geomagnetic storm. <i>Journal of Physics: Conference Series</i> , 2020 , 1623, 012005	0.3	2
288	Multiharmonic Toroidal Standing Alfvén Waves in the Midnight Sector Observed During a Geomagnetically Quiet Period. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027370	2.6	4
287	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088798	4.9	13
286	Electromagnetic Ion Cyclotron Waves Pattern Recognition Based on a Deep Learning Technique: Bag-of-Features Algorithm Applied to Spectrograms. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 249, 13	8	
285	A Model of the Subpacket Structure of Rising Tone Chorus Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028094	2.6	10
284	Rapid Frequency Variations Within Intense Chorus Wave Packets. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088853	4.9	15
283	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
282	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
281	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1035-1051	2.6	26
280	Unified View of Nonlinear Wave Structures Associated with Whistler-Mode Chorus. <i>Physical Review Letters</i> , 2019 , 122, 045101	7.4	18
279	A Statistical Study of EMIC Waves Associated With and Without Energetic Particle Injection From the Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 433-450	2.6	26
278	The Relationship Between EMIC Wave Properties and Proton Distributions Based on Van Allen Probes Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 4070-4078	4.9	23
277	Statistical Study of Electron Bunching in Auroral Langmuir Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5956-5975	2.6	2
276	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 6258-6267	4.9	24
275	Investigating Loss of Relativistic Electrons Associated With EMIC Waves at Low L Values on 22 June 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4022-4036	2.6	17
274	Statistical Study of Selective Oxygen Increase in High-Energy Ring Current Ions During Magnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3193-3209	2.6	5
273	Solar Rotation Period Driven Modulations of Plasmaspheric Density and Convective Electric Field in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1726-1737	2.6	4

272	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. <i>Geophysical Research Letters</i> , 2019 , 46, 3615-3624	4.9	20
271	Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a High-Speed Solar Wind Stream Observed in September 2014. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1660-1678	2.6	9
270	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2466-2483	2.6	31
269	Van Allen Probes Observations of Chorus Wave Vector Orientations: Implications for the Chorus-to-Hiss Mechanism. <i>Geophysical Research Letters</i> , 2019 , 46, 2337-2346	4.9	28
268	On the Contribution of EMIC Waves to the Reconfiguration of the Relativistic Electron Butterfly Pitch Angle Distribution Shape on 2014 September 12: A Case Study. <i>Astrophysical Journal</i> , 2019 , 872, 36	4.7	3
267	EMIC Wave Properties Associated With and Without Injections in The Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2029-2045	2.6	15
266	Cyclotron Acceleration of Relativistic Electrons Through Landau Resonance With Obliquely Propagating Whistler-Mode Chorus Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2795	2.6	18
265	The Storm Time Development of Source Electrons and Chorus Wave Activity During CME- and CIR-Driven Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6438-6452	2.6	9
264	Multi-instrument Observation of Nonlinear EMIC-Driven Electron Precipitation at sub-MeV Energies. <i>Geophysical Research Letters</i> , 2019 , 46, 7248-7257	4.9	16
263	Nonlinear Electron Interaction With Intense Chorus Waves: Statistics of Occurrence Rates. <i>Geophysical Research Letters</i> , 2019 , 46, 7182-7190	4.9	29
262	Rapid Precipitation of Relativistic Electron by EMIC Rising-Tone Emissions Observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6701-6714	2.6	18
261	Dispersive Alfvén Wave Control of O ⁺ Ion Outflow and Energy Densities in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 8597-8606	4.9	11
260	The Storm-Time Ring Current Response to ICMEs and CIRs Using Van Allen Probe Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9017-9039	2.6	9
259	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
258	Lightning Contribution to Overall Whistler Mode Wave Intensities in the Plasmasphere. <i>Geophysical Research Letters</i> , 2019 , 46, 8607-8616	4.9	12
257	Global Survey and Empirical Model of Fast Magnetosonic Waves Over Their Full Frequency Range in Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10270-10282	2.6	8
256	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 405-419	2.6	18
255	Observations and Fokker-Planck Simulations of the L-Shell, Energy, and Pitch Angle Structure of Earth's Electron Radiation Belts During Quiet Times. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1125-1142	2.6	21

254	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1938-1952	2.6	53
253	Characteristics of Sudden Commencements Observed by Van Allen Probes in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1295-1304	2.6	2
252	Determining the Wave Vector Direction of Equatorial Fast Magnetosonic Waves. <i>Geophysical Research Letters</i> , 2018 , 45, 7951-7959	4.9	14
251	Longitudinal Dependence of Whistler Mode Electromagnetic Waves in the Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6562-6575	2.6	11
250	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. <i>Geophysical Research Letters</i> , 2018 , 45, 6755-6765	4.9	20
249	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
248	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5420-5434	2.6	11
247	Determining Plasmaspheric Densities from Observations of Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6679-6691	2.6	9
246	Artificial Neural Networks for Determining Magnetospheric Conditions 2018 , 279-300		10
245	Properties of Intense Field-Aligned Lower-Band Chorus Waves: Implications for Nonlinear Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5379-5393	2.6	37
244	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons 2018 ,		1
243	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. <i>Annales Geophysicae</i> , 2018 , 36, 781-791	2	6
242	Multisatellite observations of the magnetosphere response to changes in the solar wind and interplanetary magnetic field. <i>Annales Geophysicae</i> , 2018 , 36, 1319-1333	2	5
241	The Outer Radiation Belt Response to the Storm Time Development of Seed Electrons and Chorus Wave Activity During CME and CIR Driven Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 10,139	2.6	19
240	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
239	Simulations of Van Allen Probes Plasmaspheric Electron Density Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9453-9475	2.6	6
238	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
237	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6394-6423	2.6	16

236	Generation Process of Large-Amplitude Upper-Band Chorus Emissions Observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3704-3713	2.6	5
235	Fast Diffusion of Ultrarelativistic Electrons in the Outer Radiation Belt: 17 March 2015 Storm Event. <i>Geophysical Research Letters</i> , 2018 , 45, 10874-10882	4.9	26
234	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8331-8357	2.6	19
233	Pitch Angle Scattering and Loss of Radiation Belt Electrons in Broadband Electromagnetic Waves. <i>Geophysical Research Letters</i> , 2018 , 45, 9344-9352	4.9	9
232	Observation and Numerical Simulation of Cavity Mode Oscillations Excited by an Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1969	2.6	11
231	Radial Transport of Higher-Energy Oxygen Ions Into the Deep Inner Magnetosphere Observed by Van Allen Probes. <i>Geophysical Research Letters</i> , 2018 , 45, 4534-4541	4.9	6
230	Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2605-2619	2.6	40
229	Van Allen Probes Observations of Drift-Bounce Resonance and Energy Transfer Between Energetic Ring Current Protons and Poloidal Pc4 Wave. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3421-3435	2.6	16
228	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1871-1882	2.6	9
227	Zipper-like periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1600-1610	2.6	11
226	In situ statistical observations of Pc1 pearl pulsations and unstructured EMIC waves by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 105-119	2.6	16
225	Van Allen Probes observations of prompt MeV radiation belt electron acceleration in nonlinear interactions with VLF chorus. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 324-339	2.6	66
224	Van Allen Probes observations of structured whistler mode activity and coincident electron Landau acceleration inside a remnant plasmaspheric plume. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3073-3086	2.6	13
223	EMIC wave scale size in the inner magnetosphere: Observations from the dual Van Allen Probes. <i>Geophysical Research Letters</i> , 2017 , 44, 1227-1233	4.9	37
222	Bayesian spectral analysis of chorus subelements from the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6088-6106	2.6	19
221	An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4420-4429	2.6	16
220	Effects of whistler mode hiss waves in March 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7433-7462	2.6	36
219	A multispacecraft event study of Pc5 ultralow-frequency waves in the magnetosphere and their external drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5132-5147	2.6	15

218	Linear theory and measurements of electron oscillations in an inertial Alfvén wave. <i>Physics of Plasmas</i> , 2017 , 24, 032902	2.1	3
217	Van Allen Probes observation of a 360° phase shift in the flux modulation of injected electrons by ULF waves. <i>Geophysical Research Letters</i> , 2017 , 44, 1614	4.9	11
216	Phase sorting wave-particle correlator. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2069-2078	2.6	5
215	Multipoint Observations of Energetic Particle Injections and Substorm Activity During a Conjunction Between Magnetospheric Multiscale (MMS) and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,481-11,504	2.6	23
214	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9969-9982	2.6	21
213	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,235	2.6	11
212	Examining Coherency Scales, Substructure, and Propagation of Whistler Mode Chorus Elements With Magnetospheric Multiscale (MMS). <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,201-11,226	2.6	13
211	Systematic Evaluation of Low-Frequency Hiss and Energetic Electron Injections. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,263-10,274	2.6	22
210	The Characteristic Pitch Angle Distributions of 1 eV to 600 keV Protons Near the Equator Based On Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9464-9473	2.6	21
209	A neural network model of three-dimensional dynamic electron density in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9183-9197	2.6	30
208	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. <i>Geophysical Research Letters</i> , 2017 , 44, 12,057	4.9	13
207	Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. <i>Geophysical Research Letters</i> , 2017 , 44, 11,265-11,272	4.9	63
206	Automated Identification and Shape Analysis of Chorus Elements in the Van Allen Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,353-12,369	2.6	2
205	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. <i>Solar Physics</i> , 2017 , 292, 1	2.6	3
204	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,047	2.6	21
203	The Electron Drift Instrument for MMS 2017 , 283-305		
202	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere 2017 , 653-667		
201	Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 10 May 2014. <i>Annales Geophysicae</i> , 2016 , 34, 985-998	2	10

200	Rapid enhancement of low-energy (~ 100 eV) chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6430-6443.6	2.6	20
199	The distribution of plasmaspheric hiss wave power with respect to plasmopause location. <i>Geophysical Research Letters</i> , 2016 , 43, 7878-7886	4.9	62
198	Highly relativistic radiation belt electron acceleration, transport, and loss: Large solar storm events of March and June 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6647-6660	2.6	73
197	Prompt acceleration of magnetospheric electrons to ultrarelativistic energies by the 17 March 2015 interplanetary shock. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7622-7635	2.6	49
196	Observation of chorus waves by the Van Allen Probes: Dependence on solar wind parameters and scale size. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7608-7621	2.6	22
195	Van Allen Probes observations of magnetic field dipolarization and its associated O ⁺ flux variations in the inner magnetosphere at L. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7572-7589	2.6	22
194	Conjugate observations of quasiperiodic emissions by the Cluster, Van Allen Probes, and THEMIS spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7647-7663	2.6	14
193	Relationship between Chorus and Plasmaspheric Hiss Waves. <i>Geophysical Monograph Series</i> , 2016 , 79-97.1.1	4.1	4
192	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8300-8316	2.6	14
191	Van Allen Probes, THEMIS, GOES, and Cluster observations of EMIC waves, ULF pulsations, and an electron flux dropout. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1990-2008	2.6	9
190	O ⁺ ion conic and plasma sheet dynamics observed by Van Allen Probe satellites during the 1 June 2013 magnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4072-4091	2.6	5
189	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , 2016 , 43, 5918-5925	4.9	68
188	Hiss or equatorial noise? Ambiguities in analyzing suprathermal ion plasma wave resonance. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9619-9631	2.6	3
187	Electric and magnetic radial diffusion coefficients using the Van Allen probes data. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9586-9607	2.6	49
186	Observational evidence of the nonlinear wave growth theory of plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2016 , 43, 10,040-10,049	4.9	22
185	The complex nature of storm-time ion dynamics: Transport and local acceleration. <i>Geophysical Research Letters</i> , 2016 , 43, 10,059-10,067	4.9	15
184	Survey of the frequency dependent latitudinal distribution of the fast magnetosonic wave mode from Van Allen Probes Electric and Magnetic Field Instrument and Integrated Science waveform receiver plasma wave analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2902-2921	2.6	50
183	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. <i>Geophysical Research Letters</i> , 2016 , 43, 8867-8875	4.9	58

182	Electron scattering by magnetosonic waves in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 274-285	2.6	82
181	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
180	Variation in crossover frequency of EMIC waves in plasmasphere estimated from ion cyclotron whistler waves observed by Van Allen Probe A. <i>Geophysical Research Letters</i> , 2016 , 43, 28-34	4.9	6
179	The Electron Drift Instrument for MMS. <i>Space Science Reviews</i> , 2016 , 199, 283-305	7.5	42
178	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. <i>Space Science Reviews</i> , 2016 , 199, 105-135	7.5	292
177	Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. <i>Geophysical Research Letters</i> , 2016 , 43, 978-987	4.9	20
176	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , 2016 , 43, 3009-3016	4.9	73
175	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
174	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5520-5536	2.6	52
173	Charged particle behavior in the growth and damping stages of ultralow frequency waves: Theory and Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3254-3263 ^{2.6}	2.6	52
172	Measurements of the nonlinear beat wave produced by the interaction of counterpropagating Alfvén waves. <i>Physics of Plasmas</i> , 2016 , 23, 022305	2.1	6
171	EMIC wave spatial and coherence scales as determined from multipoint Van Allen Probe measurements. <i>Geophysical Research Letters</i> , 2016 , 43, 4799-4807	4.9	21
170	Simulation of energy-dependent electron diffusion processes in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4217-4231	2.6	34
169	New chorus wave properties near the equator from Van Allen Probes wave observations. <i>Geophysical Research Letters</i> , 2016 , 43, 4725-4735	4.9	70
168	Using the cold plasma dispersion relation and whistler mode waves to quantify the antenna sheath impedance of the Van Allen Probes EFW instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4590-4606	2.6	22
167	Compressional ULF wave modulation of energetic particles in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6262-6276	2.6	11
166	RAM-SCB simulations of electron transport and plasma wave scattering during the October 2012 "double-dip" storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8712-8727	2.6	30
165	Reproducing the observed energy-dependent structure of Earth's electron radiation belts during storm recovery with an event-specific diffusion model. <i>Geophysical Research Letters</i> , 2016 , 43, 5616-5625 ^{4.9}	4.9	56

164	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
163	Direct measurement of electron sloshing of an inertial Alfvén wave. <i>Geophysical Research Letters</i> , 2016 , 43, 4701-4707	4.9	6
162	Characteristic energy range of electron scattering due to plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,737	2.6	39
161	Nonlinearity in chorus waves during a geomagnetic storm on 1 November 2012. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 358-373	2.6	2
160	The dependence on geomagnetic conditions and solar wind dynamic pressure of the spatial distributions of EMIC waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4362-4377	2.6	59
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