

Bernard Blake

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.

214
papers

11,359
citations

56
h-index

98
g-index

230
ext. papers

12,812
ext. citations

4.8
avg, IF

5.78
L-index

#	Paper	IF	Citations
214	Normal- and Reversed-Boomerang Stripes on Electron Pitch Angle Distributions: Solar Wind Dynamic Pressure Effect. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
213	Multi-MeV Electron Dynamics Near the Inner Edge of the Outer Radiation Belt. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	
212	The Energy Spectra of Electron Microbursts Between 200 keV and 1 MeV. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029709	2.6	1
211	The Magnetic Electron Ion Spectrometer: A Review of On-Orbit Sensor Performance, Data, Operations, and Science. <i>Space Science Reviews</i> , 2021 , 217, 80	7.5	3
210	RBSP-ECT Combined Pitch Angle Resolved Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028637	2.6	2
209	Estimating the Impacts of Radiation Belt Electrons on Atmospheric Chemistry Using FIREBIRD II and Van Allen Probes Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033098	4.4	6
208	Source, Loss, and Transport of Energetic Particles Deep Inside Earth's Magnetosphere (L . <i>Geophysical Monograph Series</i> , 2021 , 323-334	1.1	2
207	Origin of Electron Boomerang Stripes: Statistical Study. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093377	4.9	1
206	Characteristics of Energetic Electrons Near Active Magnetotail Reconnection Sites: Statistical Evidence for Local Energization. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090087	4.9	4
205	Characteristics of Energetic Electrons Near Active Magnetotail Reconnection Sites: Tracers of a Complex Magnetic Topology and Evidence of Localized Acceleration. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090089	4.9	5
204	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028484	2.6	2
203	Long-Term Observations of Galactic Cosmic Ray LET Spectra in Lunar Orbit by LRO/CRaTER. <i>Space Weather</i> , 2020 , 18, e2020SW002543	3.7	2
202	Relativistic Electron Microbursts as High-Energy Tail of Pulsating Aurora Electrons. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090360	4.9	27
201	On Phase Space Density and Its Radial Gradient of Outer Radiation Belt Seed Electrons: MMS/FEEPS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027711	2.6	3
200	Distribution of energetic electrons in the near earth space: New observations from the BeiDa Imaging Electron Spectrometer and the Van Allen Probes. <i>Planetary and Space Science</i> , 2020 , 186, 104919	2.6	3
199	Solar Energetic Proton Access to the Near-Equatorial Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027584	2.6	3
198	Simultaneous Observations of Localized and Global Drift Resonance. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088019	4.9	5

197	Electron Microburst Size Distribution Derived With AeroCube-6. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027651	2.6	10
196	Empirically Estimated Electron Lifetimes in the Earth's Radiation Belts: Van Allen Probe Observations. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086053	4.9	19
195	The FIREBIRD-II CubeSat mission: Focused investigations of relativistic electron burst intensity, range, and dynamics. <i>Review of Scientific Instruments</i> , 2020 , 91, 034503	1.7	12
194	Statistical Properties of Electron Curtain Precipitation Estimated With AeroCube-6. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028462	2.6	1
193	Origin of Electron Boomerang Stripes: Localized ULF Wave-Particle Interactions. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087960	4.9	5
192	Microscopic, Multipoint Characterization of Foreshock Bubbles With Magnetospheric Multiscale (MMS). <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027707	2.6	25
191	The ELFIN Mission. <i>Space Science Reviews</i> , 2020 , 216, 103	7.5	17
190	A Short-lived Three-Belt Structure for sub-MeV Electrons in the Van Allen Belts: Time Scale and Energy Dependence. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028031	2.6	2
189	Empirically Estimated Electron Lifetimes in the Earth's Radiation Belts: Comparison With Theory. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086056	4.9	23
188	RBSP-ECT Combined Spin-Averaged Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9124-9136	2.6	12
187	Characteristics of Relativistic Microburst Intensity From SAMPEX Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5627-5640	2.6	11
186	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. <i>Nature Physics</i> , 2019 , 15, 367-372	16.2	53
185	Characterization and Evolution of Radiation Belt Electron Energy Spectra Based on the Van Allen Probes Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4217-4232	2.6	18
184	A Revised Look at Relativistic Electrons in the Earth's Inner Radiation Zone and Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 934-951	2.6	24
183	Global-Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1525-1538	2.6	32
182	Delayed Arrival of Energetic Solar Particles at MMS on 16 July 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2711-2719	2.6	1
181	Drift-Dispersed Flux Dropouts of Energetic Electrons Observed in Earth's Middle Magnetosphere by the Magnetospheric Multiscale (MMS) Mission. <i>Geophysical Research Letters</i> , 2019 , 46, 3069-3078	4.9	5
180	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

179	The Response of Earth's Electron Radiation Belts to Geomagnetic Storms: Statistics From the Van Allen Probes Era Including Effects From Different Storm Drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1013-1034	2.6	48
178	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
177	Update on the Worsening Particle Radiation Environment Observed by CRaTER and Implications for Future Human Deep-Space Exploration. <i>Space Weather</i> , 2018 , 16, 289-303	3.7	34
176	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. <i>Geophysical Research Letters</i> , 2018 , 45, 3783-3792	4.9	36
175	Simultaneous Observations of Lower Band Chorus Emissions at the Equator and Microburst Precipitating Electrons in the Ionosphere. <i>Geophysical Research Letters</i> , 2018 , 45, 511-516	4.9	33
174	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
173	Rapid Enhancements of the Seed Populations in the Heart of the Earth's Outer Radiation Belt: A Multicase Study. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4895-4907	2.6	4
172	Exohiss wave enhancement following substorm electron injection in the dayside magnetosphere. <i>Earth and Planetary Physics</i> , 2018 , 2, 1-12	1.6	4
171	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. <i>Annales Geophysicae</i> , 2018 , 36, 781-791	2	6
170	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
169	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
168	Microburst Scale Size Derived From Multiple Bounces of a Microburst Simultaneously Observed With the FIREBIRD-II CubeSats. <i>Geophysical Research Letters</i> , 2018 , 45, 8811-8818	4.9	18
167	Evidence of Microbursts Observed Near the Equatorial Plane in the Outer Van Allen Radiation Belt. <i>Geophysical Research Letters</i> , 2018 , 45, 8044-8053	4.9	8
166	Diagnosis of ULF Wave-Particle Interactions With Megaelectron Volt Electrons: The Importance of Ultrahigh-Resolution Energy Channels. <i>Geophysical Research Letters</i> , 2018 , 45, 10,883	4.9	8
165	On the Initial Enhancement of Energetic Electrons and the Innermost Plasmopause Locations: Coronal Mass Ejection-Driven Storm Periods. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9252-9264	2.6	16
164	Autogenous and efficient acceleration of energetic ions upstream of Earth's bow shock. <i>Nature</i> , 2018 , 561, 206-210	50.4	32
163	What Causes Radiation Belt Enhancements: A Survey of the Van Allen Probes Era. <i>Geophysical Research Letters</i> , 2018 , 45, 5253-5259	4.9	48
162	An Empirical Model of Radiation Belt Electron Pitch Angle Distributions Based On Van Allen Probes Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3493-3511	2.6	21

161	Generation of extremely low frequency chorus in Van Allen radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3201-3211	2.6	15
160	A positive correlation between energetic electron butterfly distributions and magnetosonic waves in the radiation belt slot region. <i>Geophysical Research Letters</i> , 2017 , 44, 3980-3990	4.9	20
159	Simultaneous disappearances of plasmaspheric hiss, exohiss, and chorus waves triggered by a sudden decrease in solar wind dynamic pressure. <i>Geophysical Research Letters</i> , 2017 , 44, 52-61	4.9	27
158	Radiation belt electron dynamics at low L (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5224-5234	2.6	29
157	Radiation belt seed population and its association with the relativistic electron dynamics: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5261-5276	2.6	7
156	Spatial scale and duration of one microburst region on 13 August 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5949-5964	2.6	17
155	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
154	The hidden dynamics of relativistic electrons (0.7–1.5 MeV) in the inner zone and slot region. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3127-3144	2.6	33
153	Investigating the source of near-relativistic and relativistic electrons in Earth's inner radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 695-710	2.6	40
152	Relativistic Electron Increase During Chorus Wave Activities on the 68 March 2016 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,302-11,319	2.6	4
151	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
150	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
149	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
148	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
147	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerang-shaped pitch angle evolutions. <i>Geophysical Research Letters</i> , 2017 , 44, 7618-7627	4.9	44
146	Dominance of high-energy (>150 keV) heavy ion intensities in Earth's middle to outer magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9282-9293	2.6	14
145	The effects of magnetospheric processes on relativistic electron dynamics in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9952-9968	2.6	8
144	Statistical analysis of MMS observations of energetic electron escape observed at/beyond the dayside magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9440-9463	2.6	11

143	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
142	Van Allen Probes Measurements of Energetic Particle Deep Penetration Into the Low L Region (L ₁). <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,140-12,152	2.6	16
141	The Fly ^{Eye} Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission 2017 , 307-327		
140	The Fly ^{Eye} Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , 2016 , 199, 309-329	7.5	57
139	First multipoint in situ observations of electron microbursts: Initial results from the NSF FIREBIRD II mission. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5272-5283	2.6	50
138	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
137	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
136	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
135	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
134	Energy limits of electron acceleration in the plasma sheet during substorms: A case study with the Magnetospheric Multiscale (MMS) mission. <i>Geophysical Research Letters</i> , 2016 , 43, 7785-7794	4.9	33
133	Nonstorm time dropout of radiation belt electron fluxes on 24 September 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6400-6416	2.6	43
132	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. <i>Geophysical Research Letters</i> , 2016 , 43, 9397-9405	4.9	5
131	Microinjections observed by MMS FEEPS in the dusk to midnight region. <i>Geophysical Research Letters</i> , 2016 , 43, 6078-6086	4.9	7
130	Survey of radiation belt energetic electron pitch angle distributions based on the Van Allen Probes MagEIS measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1078-1090	2.6	17
129	Formation of the inner electron radiation belt by enhanced large-scale electric fields. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8508-8522	2.6	30
128	Observations of small-scale latitudinal structure in energetic electron precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3031-3035	2.6	18
127	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
126	Inner zone and slot electron radial diffusion revisited. <i>Geophysical Research Letters</i> , 2016 , 43, 7301-7310	4.9	14

125	A telescopic and microscopic examination of acceleration in the June 2015 geomagnetic storm: Magnetospheric Multiscale and Van Allen Probes study of substorm particle injection. <i>Geophysical Research Letters</i> , 2016 , 43, 6051-6059	4.9	21
124	The Energetic Particle Detector (EPD) Investigation and the Energetic Ion Spectrometer (EIS) for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , 2016 , 199, 471-514	7.5	87
123	Ring current electron dynamics during geomagnetic storms based on the Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3333-3346	2.6	38
122	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
121	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	52
120	Solar modulation of the deep space galactic cosmic ray lineal energy spectrum measured by CRaTER, 2009-2014. <i>Space Weather</i> , 2016 , 14, 247-258	3.7	5
119	Energy-dependent dynamics of keV to MeV electrons in the inner zone, outer zone, and slot regions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 397-412	2.6	122
118	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
117	The Global Positioning System constellation as a space weather monitor: Comparison of electron measurements with Van Allen Probes data. <i>Space Weather</i> , 2016 , 14, 76-92	3.7	30
116	Rapid flattening of butterfly pitch angle distributions of radiation belt electrons by whistler-mode chorus. <i>Geophysical Research Letters</i> , 2016 , 43, 8339-8347	4.9	17
115	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
114	Energetic electron acceleration observed by MMS in the vicinity of an X-line crossing. <i>Geophysical Research Letters</i> , 2016 , 43, 7356-7363	4.9	18
113	Current energetic particle sensors. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8840-8858	2.6	7
112	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
111	Ultrarelativistic electron butterfly distributions created by parallel acceleration due to magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3212-3222	2.6	31
110	Prompt enhancement of the Earth's outer radiation belt due to substorm electron injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,826-11,838	2.6	15
109	EMIC waves and associated relativistic electron precipitation on 25-26 January 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,086-11,100	2.6	26
108	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418

107	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016 , 43, 5597-5605	4.9	17
106	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). <i>Geophysical Research Letters</i> , 2016 , 43, 5960-5968	4.9	22
105	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5635-5643	4.9	36
104	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6620-6631	2.6	44
103	Control of the innermost electron radiation belt by large-scale electric fields. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8417-8427	2.6	33
102	Statistical properties of the radiation belt seed population. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7636-7646	2.6	37
101	Upper limit on the inner radiation belt MeV electron intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1215-1228	2.6	72
100	Link between premidnight second harmonic poloidal waves and auroral undulations: Conjugate observations with a Van Allen Probe spacecraft and a THEMIS all-sky imager. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1814-1831	2.6	14
99	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. <i>Geophysical Research Letters</i> , 2015 , 42, 2079-2087	4.9	85
98	The effects of geomagnetic storms on electrons in Earth's radiation belts. <i>Geophysical Research Letters</i> , 2015 , 42, 9176-9184	4.9	55
97	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2015 , 42, 6170-6179	4.9	43
96	Analysis of plasmaspheric hiss wave amplitudes inferred from low-altitude POES electron data: Technique sensitivity analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3552-3563	2.6	2
95	Correlated Pc4B ULF waves, whistler-mode chorus, and pulsating aurora observed by the Van Allen Probes and ground-based systems. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8749-8761	2.6	35
94	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 10096	17.4	57
93	The evolution of ring current ion energy density and energy content during geomagnetic storms based on Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7493-7511	2.6	50
92	A background correction algorithm for Van Allen Probes MagEIS electron flux measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5703-5727	2.6	66
91	On the use of drift echoes to characterize on-orbit sensor discrepancies. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2076-2087	2.6	8
90	Van Allen Probes observations linking radiation belt electrons to chorus waves during 2014 multiple storms. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 938-948	2.6	14

89	Multiple loss processes of relativistic electrons outside the heart of outer radiation belt during a storm sudden commencement. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,275-10,288	2.6	37
88	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , 2015 , 42, 3129-3140	4.9	29
87	Penetration of magnetosonic waves into the plasmasphere observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2015 , 42, 7287-7294	4.9	23
86	Relativistic electron response to the combined magnetospheric impact of a coronal mass ejection overlapping with a high-speed stream: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7629-7641	2.6	15
85	Wave-driven butterfly distribution of Van Allen belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 8590	17.4	117
84	Internal Charging Hazards in Near-Earth Space During Solar Cycle 24 Maximum: Van Allen Probes Measurements. <i>IEEE Transactions on Plasma Science</i> , 2015 , 43, 3070-3074	1.3	4
83	Van Allen Probes show that the inner radiation zone contains no MeV electrons: ECT/MagEIS data. <i>Geophysical Research Letters</i> , 2015 , 42, 1283-1289	4.9	97
82	Plasmatrough exohiss waves observed by Van Allen Probes: Evidence for leakage from plasmasphere and resonant scattering of radiation belt electrons. <i>Geophysical Research Letters</i> , 2015 , 42, 1012-1019	4.9	34
81	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. <i>Geophysical Research Letters</i> , 2015 , 42, 987-995	4.9	63
80	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3325-3332	2.6	82
79	A nonstorm time enhancement of relativistic electrons in the outer radiation belt. <i>Geophysical Research Letters</i> , 2014 , 41, 7-12	4.9	34
78	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 5702-5709	4.9	44
77	Interactions of energetic electrons with ULF waves triggered by interplanetary shock: Van Allen Probes observations in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8262-8273	2.6	47
76	Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4681-4693	2.6	146
75	Van Allen Probes observations of direct wave-particle interactions. <i>Geophysical Research Letters</i> , 2014 , 41, 1869-1875	4.9	26
74	Peculiar pitch angle distribution of relativistic electrons in the inner radiation belt and slot region. <i>Geophysical Research Letters</i> , 2014 , 41, 2250-2257	4.9	46
73	Quantifying the relative contributions of substorm injections and chorus waves to the rapid outward extension of electron radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,023	2.6	25
72	Quantifying hiss-driven energetic electron precipitation: A detailed conjunction event analysis. <i>Geophysical Research Letters</i> , 2014 , 41, 1085-1092	4.9	33

71	Event-specific chorus wave and electron seed population models in DREAM3D using the Van Allen Probes. <i>Geophysical Research Letters</i> , 2014 , 41, 1359-1366	4.9	102
70	Resonant scattering of energetic electrons by unusual low-frequency hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 1854-1861	4.9	95
69	Large anisotropies of >60 MeV protons throughout the inner belt observed with the Van Allen Probes mission. <i>Geophysical Research Letters</i> , 2014 , 41, 3738-3743	4.9	4
68	An empirically observed pitch-angle diffusion eigenmode in the Earth's electron belt near $L^* = 5.0$. <i>Geophysical Research Letters</i> , 2014 , 41, 251-258	4.9	10
67	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2014 , 41, 229-235	4.9	49
66	Evolution of relativistic outer belt electrons during an extended quiescent period. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9558-9566	2.6	24
65	Intense duskside lower band chorus waves observed by Van Allen Probes: Generation and potential acceleration effect on radiation belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4266-4273	2.6	42
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