

Bernard Blake

List of Publications by Citations

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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	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. <i>Nature</i> , 2013 , 504, 411-4	50.4	481
213	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418
212	The Magnetic Electron Ion Spectrometer (MagEIS) Instruments Aboard the Radiation Belt Storm Probes (RBSP) Spacecraft. <i>Space Science Reviews</i> , 2013 , 179, 383-421	7.5	405
211	Science Goals and Overview of the Radiation Belt Storm Probes (RBSP) Energetic Particle, Composition, and Thermal Plasma (ECT) Suite on NASA's Van Allen Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 311-336	7.5	383
210	Electron acceleration in the heart of the Van Allen radiation belts. <i>Science</i> , 2013 , 341, 991-4	33.3	379
209	Simulation of the prompt energization and transport of radiation belt particles during the March 24, 1991 SSC. <i>Geophysical Research Letters</i> , 1993 , 20, 2423-2426	4.9	360
208	Injection of electrons and protons with energies of tens of MeV into L. <i>Geophysical Research Letters</i> , 1992 , 19, 821-824	4.9	326
207	Highly relativistic electrons in the Earth's outer magnetosphere: 1. Lifetimes and temporal history 1979-1984. <i>Journal of Geophysical Research</i> , 1986 , 91, 4265		262
206	Multisatellite observations of the outer zone electron variation during the November 3, 1993, magnetic storm. <i>Journal of Geophysical Research</i> , 1997 , 102, 14123-14140		245
205	Energization of relativistic electrons in the presence of ULF power and MeV microbursts: Evidence for dual ULF and VLF acceleration. <i>Journal of Geophysical Research</i> , 2003 , 108,		217
204	Observations of relativistic electron microbursts in association with VLF chorus. <i>Journal of Geophysical Research</i> , 2001 , 106, 6017-6027		191
203	Relativistic electron acceleration and decay time scales in the inner and outer radiation belts: SAMPEX. <i>Geophysical Research Letters</i> , 1994 , 21, 409-412	4.9	181
202	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
201	On the source location of radiation belt relativistic electrons. <i>Journal of Geophysical Research</i> , 2000 , 105, 2607-2624		143
200	Quantification of relativistic electron microburst losses during the GEM storms. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	139
199	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
198	Correlation of changes in the outer-zone relativistic-electron population with upstream solar wind and magnetic field measurements. <i>Geophysical Research Letters</i> , 1997 , 24, 927-929	4.9	138

197	CEPPAD. <i>Space Science Reviews</i> , 1995 , 71, 531-562	7.5	138
196	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
195	Wave-driven butterfly distribution of Van Allen belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 8590	17.4	117
194	On the relationship between relativistic electron flux and solar wind velocity: Paulikas and Blake revisited. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		116
193	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013 , 40, 4127-4132	4.9	115
192	Van Allen Probes observation of localized drift resonance between poloidal mode ultra-low frequency waves and 60 keV electrons. <i>Geophysical Research Letters</i> , 2013 , 40, 4491-4497	4.9	108
191	An unusual enhancement of low-frequency plasmaspheric hiss in the outer plasmasphere associated with substorm-injected electrons. <i>Geophysical Research Letters</i> , 2013 , 40, 3798-3803	4.9	105
190	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
189	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
188	RAPID – The Imaging Energetic Particle Spectrometer on Cluster. <i>Space Science Reviews</i> , 1997 , 79, 399-473	7.5	97
187	Resonant scattering of energetic electrons by unusual low-frequency hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 1854-1861	4.9	95
186	CRaTER: The Cosmic Ray Telescope for the Effects of Radiation Experiment on the Lunar Reconnaissance Orbiter Mission. <i>Space Science Reviews</i> , 2010 , 150, 243-284	7.5	95
185	On the cause and extent of outer radiation belt losses during the 30 September 2012 dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1530-1540	2.6	92
184	Precipitating relativistic electrons: Their long-term effect on stratospheric odd nitrogen levels. <i>Journal of Geophysical Research</i> , 1991 , 96, 2939		92
183	Quantifying the radiation belt seed population in the 17 March 2013 electron acceleration event. <i>Geophysical Research Letters</i> , 2014 , 41, 2275-2281	4.9	90
182	Relationship of the Van Allen radiation belts to solar wind drivers. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 708-729	2	89
181	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
180	Simulation of proton radiation belt formation during the March 24, 1991 SSC. <i>Geophysical Research Letters</i> , 1995 , 22, 291-294	4.9	87

179	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. <i>Geophysical Research Letters</i> , 2015 , 42, 2079-2087	4.9	85
178	Relativistic electron microbursts during the GEM storms. <i>Geophysical Research Letters</i> , 2001 , 28, 2573-2576	4.9	85
177	Competing source and loss mechanisms due to wave-particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1960-1979	2.6	83
176	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. <i>Geophysical Research Letters</i> , 2002 , 29, 43-1-43-4	4.9	83
175	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
174	The global response of relativistic radiation belt electrons to the January 1997 magnetic cloud. <i>Geophysical Research Letters</i> , 1998 , 25, 3265-3268	4.9	82
173	Satellite anomalies linked to electron increase in the magnetosphere. <i>Eos</i> , 1994 , 75, 401	1.5	76
172	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
171	SAMPEX observations of precipitation bursts in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2000 , 105, 15875-15885		73
170	Multisatellite measurements of relativistic electrons: Global coherence. <i>Journal of Geophysical Research</i> , 2001 , 106, 29721-29732		73
169	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
168	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
167	Multisatellite observations of MeV ion injections during storms. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 7-1		66
166	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
165	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
164	Relativistic electrons near geostationary orbit: Evidence for internal magnetospheric acceleration. <i>Geophysical Research Letters</i> , 1989 , 16, 559-562	4.9	63
163	Response of the inner radiation belt to the violent Sun-Earth connection events of October-November 2003. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	60
162	The Fly's Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , 2016 , 199, 309-329	7.5	57

161	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 10096	17.4	57
160	Atmospheric losses of radiation belt electrons. <i>Journal of Geophysical Research</i> , 2003 , 108,		57
159	Observation of relativistic electron microbursts in conjunction with intense radiation belt whistler-mode waves. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	56
158	The effects of geomagnetic storms on electrons in Earth's radiation belts. <i>Geophysical Research Letters</i> , 2015 , 42, 9176-9184	4.9	55
157	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. <i>Nature Physics</i> , 2019 , 15, 367-372	16.2	53
156	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
155	Relativistic electron drift shell splitting. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 27-1		53
154	Lunar radiation environment and space weathering from the Cosmic Ray Telescope for the Effects of Radiation (CRaTER). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		52
153	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
152	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
151	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
150	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
149	Equinoctial and solstitial averages of magnetospheric relativistic electrons: A strong semiannual modulation. <i>Geophysical Research Letters</i> , 1999 , 26, 3193-3196	4.9	50
148	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
147	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
146	First results from CSSWE CubeSat: Characteristics of relativistic electrons in the near-Earth environment during the October 2012 magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6489-6499	2.6	49
145	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
144	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

143	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
142	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
141	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
140	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 5702-5709	4.9	44
139	Does the worsening galactic cosmic radiation environment observed by CRaTER preclude future manned deep space exploration?. <i>Space Weather</i> , 2014 , 12, 622-632	3.7	44
138	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
137	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
136	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
135	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
134	Rapid enhancements of relativistic electrons deep in the magnetosphere during the May 15, 1997, magnetic storm. <i>Journal of Geophysical Research</i> , 1999 , 104, 4467-4476		42
133	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
132	Relativistic electron precipitation enhancements near the outer edge of the radiation belt. <i>Geophysical Research Letters</i> , 1995 , 22, 1129-1132	4.9	40
131	Characterizing the Earth's outer Van Allen zone using a radiation belt content index. <i>Space Weather</i> , 2004 , 2, n/a-n/a	3.7	39
130	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
129	Penetration of solar protons to synchronous altitude. <i>Journal of Geophysical Research</i> , 1969 , 74, 2161-2168		38
128	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
127	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
126	Spatial variation of the inner zone trapped proton spectrum. <i>Journal of Geophysical Research</i> , 1965 , 70, 3113-3116		37

125	Statistical properties of the radiation belt seed population. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7636-7646	2.6	37
124	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. <i>Geophysical Research Letters</i> , 2018 , 45, 3783-3792	4.9	36
123	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5635-5643	4.9	36
122	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
121	New measurements of total ionizing dose in the lunar environment. <i>Space Weather</i> , 2011 , 9, n/a-n/a	3.7	35
120	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
119	A nonstorm time enhancement of relativistic electrons in the outer radiation belt. <i>Geophysical Research Letters</i> , 2014 , 41, 7-12	4.9	34
118	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
117	Characteristics of pitch angle distributions of hundreds of keV electrons in the slot region and inner radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9543-9557	2.6	34
116	Lightning-induced energetic electron flux enhancements in the drift loss cone. <i>Journal of Geophysical Research</i> , 2001 , 106, 29733-29744		34
115	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
114	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
113	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
112	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
111	Quantifying hiss-driven energetic electron precipitation: A detailed conjunction event analysis. <i>Geophysical Research Letters</i> , 2014 , 41, 1085-1092	4.9	33
110	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
109	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
108	The Relativistic Proton Spectrometer (RPS) for the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 221-261	7.5	32

107	Autogenous and efficient acceleration of energetic ions upstream of Earth's bow shock. <i>Nature</i> , 2018 , 561, 206-210	50.4	32
106	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
105	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
104	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
103	Radiation belt electron dynamics at low L (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5224-5234	2.6	29
102	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , 2015 , 42, 3129-3140	4.9	29
101	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
100	Relativistic Electron Microbursts as High-Energy Tail of Pulsating Aurora Electrons. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090360	4.9	27
99	Van Allen Probes observations of direct wave-particle interactions. <i>Geophysical Research Letters</i> , 2014 , 41, 1869-1875	4.9	26
98	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
97	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
96	Microscopic, Multipoint Characterization of Foreshock Bubbles With Magnetospheric Multiscale (MMS). <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027707	2.6	25
95	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
94	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
93	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
92	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
91	Inner-zone electrons in 1964 and 1965. <i>Journal of Geophysical Research</i> , 1967 , 72, 2011-2020		23
90	Empirically Estimated Electron Lifetimes in the Earth's Radiation Belts: Comparison With Theory. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086056	4.9	23

89	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
88	The radiation environment near the lunar surface: CRaTER observations and Geant4 simulations. <i>Space Weather</i> , 2013 , 11, 142-152	3.7	22
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	Measurements of galactic cosmic ray shielding with the CRaTER instrument. <i>Space Weather</i> , 2013 , 11, 284-296	3.7	17
75	The ELFIN Mission. <i>Space Science Reviews</i> , 2020 , 216, 103	7.5	17
74	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
73	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016 , 43, 5597-5605	4.9	17
72	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

71	The deep space galactic cosmic ray lineal energy spectrum at solar minimum. <i>Space Weather</i> , 2013 , 11, 361-368	3.7	16
70	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
69	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
68	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
67	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
66	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
65	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
64	Inner zone and slot electron radial diffusion revisited. <i>Geophysical Research Letters</i> , 2016 , 43, 7301-7310	4.9	14
63	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
62	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
61	Local and nonlocal geometry of interplanetary coronal mass ejections: Galactic cosmic ray (GCR) short-period variations and magnetic field modeling. <i>Journal of Geophysical Research</i> , 2008 , 113,		14
60	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, 11,207-11,223	2.6	13
59	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
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