

D N Baker

List of Publications by Year in descending order

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472
papers

30,111
citations

2675

95
h-index

7950

149
g-index

491
all docs

491
docs citations

491
times ranked

6215
citing authors

#	ARTICLE	IF	CITATIONS
1	Relativistic Electron Enhancements Through Successive Dipolarizations During a CIR-Driven Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	11
2	Statistics of Multi-MeV Electron Drift-Periodic Flux Oscillations Using Van Allen Probes Observations. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
3	Statistical Characteristics of Energetic Electron Pitch Angle Distributions in the Van Allen Probe Era: 1. Butterfly Distributions With Flux Peaks at Preferred Pitch Angles. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	3
4	Collaborative Research Activities of the Arase and Van Allen Probes. <i>Space Science Reviews</i> , 2022, 218, .	8.1	10
5	Van Allen Belt Punctures and Their Correlation With Solar Wind, Geomagnetic Activity, and ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	1
6	Dynamic Mechanisms Associated With High-Energy Electron Flux Dropout in the Earth's Outer Radiation Belt Under the Influence of a Coronal Mass Ejection Sheath Region. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	9
7	Equatorial Pitch Angle Distributions of ~50 keV Electrons in Earth's Inner Magnetosphere: An Empirical Model Based on the Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	7
8	Evolution of Pitch Angle Distributions of Relativistic Electrons During Geomagnetic Storms: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028335.	2.4	4
9	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028484.	2.4	4
10	The Effects of Different Drivers on the Induced Martian Magnetosphere Boundary: A Case Study of September 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028105.	2.4	5
11	RBSP-ECT Combined Pitch Angle Resolved Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028637.	2.4	11
12	Van Allen Probe Observations of Disappearance, Recovery and Patchiness of Plasmaspheric Hiss Following Two Consecutive Interplanetary Shocks: First Results. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028873.	2.4	3
13	Harmonization of RBSP and Arase Energetic Electron Measurements Utilizing ESA Radiation Monitor Data. <i>Space Weather</i> , 2021, 19, e2020SW002692.	3.7	7
14	The Relativistic Electron-Proton Telescope (REPT) Investigation: Design, Operational Properties, and Science Highlights. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	23
15	Van Allen Probes Observations of Multi-MeV Electron Drift-Periodic Flux Oscillations in Earth's Outer Radiation Belt During the March 2017 Event. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029284.	2.4	7
16	Earth's Magnetosphere: A Cosmic Wave-Particle Laboratory. , 2021, , .		1
17	On the Solar Wind Proton Temperature Anisotropy at Mars' Orbital Location. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029438.	2.4	4
18	Wave-particle interaction effects in the Van Allen belts. <i>Earth, Planets and Space</i> , 2021, 73, 189.	2.5	16

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19	A Tale of Two Radiation Belts: The Energy Dependence of Self-Limiting Electron Space Radiation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095779.	4.0	13
20	On the Similarity and Repeatability of Fast Radiation Belt Loss: Role of the Last Closed Drift Shell. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029957.	2.4	10
21	Relativistic Electron Model in the Outer Radiation Belt Using a Neural Network Approach. <i>Space Weather</i> , 2021, 19, e2021SW002808.	3.7	27
22	Multi-MeV Electron Dynamics Near the Inner Edge of the Outer Radiation Belt. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	3
23	Evolution of Pitch Angle-Distributed Megaelectron Volt Electrons During Each Phase of the Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027086.	2.4	2
24	The Impenetrable Barrier: Suppression of Chorus Wave Growth by VLF Transmitters. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027913.	2.4	3
25	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.	2.4	6
26	New Insights From Long-Term Measurements of Inner Belt Protons (10s of MeV) by SAMPEX, POES, Van Allen Probes, and Simulation Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028198.	2.4	7
27	Solar Energetic Proton Access to the Near-Equatorial Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027584.	2.4	5
28	A Framework for Understanding and Quantifying the Loss and Acceleration of Relativistic Electrons in the Outer Radiation Belt During Geomagnetic Storms. <i>Space Weather</i> , 2020, 18, e2020SW002477.	3.7	11
29	Radial Response of Outer Radiation Belt Relativistic Electrons During Enhancement Events at Geostationary Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027660.	2.4	4
30	Filamentary Currents and Alfvénic Vortices in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086318.	4.0	8
31	Rapid Outer Radiation Belt Flux Dropouts and Fast Acceleration During the March 2015 and 2013 Storms: The Role of Ultra-Low Frequency Wave Transport From a Dynamic Outer Boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027179.	2.4	30
32	The Role of the Dynamic Plasmapause in Outer Radiation Belt Electron Flux Enhancement. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL086991.	4.0	3
33	Measuring the Earth's Synchrotron Emission From Radiation Belts With a Lunar Near Side Radio Array. <i>Radio Science</i> , 2020, 55, e2019RS006891.	1.6	3
34	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, 2795-2810.	2.4	33
35	Variation of Radiation Belt Electron Flux During CME- and CIR-Driven Geomagnetic Storms: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6524-6540.	2.4	13
36	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.	4.0	7

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37	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.	2.4	27
38	Origin of two-band chorus in the radiation belt of Earth. <i>Nature Communications</i> , 2019, 10, 4672.	12.8	52
39	RBSP-ECT Combined Spin-Averaged Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9124-9136.	2.4	34
40	The March 2015 Superstorm Revisited: Phase Space Density Profiles and Fast ULF Wave Diffusive Transport. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1143-1156.	2.4	21
41	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. <i>Nature Physics</i> , 2019, 15, 367-372.	16.7	66
42	Characteristics of High-Energy Proton Responses to Geomagnetic Activities in the Inner Radiation Belt Observed by the RBSP Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7581-7591.	2.4	4
43	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.	2.4	25
44	Multiyear Measurements of Radiation Belt Electrons: Acceleration, Transport, and Loss. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2588-2602.	2.4	48
45	Quantifying the Contribution of Microbursts to Global Electron Loss in the Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1111-1124.	2.4	20
46	Parametric Sensitivity of the Formation of Reversed Electron Energy Spectrum Caused by Plasmaspheric Hiss. <i>Geophysical Research Letters</i> , 2019, 46, 4134-4143.	4.0	41
47	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.	2.4	14
48	Outer Van Allen Radiation Belt Response to Interacting Interplanetary Coronal Mass Ejections. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1927-1947.	2.4	14
49	The Effects of Geomagnetic Storms and Solar Wind Conditions on the Ultrarelativistic Electron Flux Enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1948-1965.	2.4	25
50	Global-Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1525-1538.	2.4	48
51	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.	4.5	8
52	Comparison of Van Allen Probes Energetic Electron Data With Corresponding GOES-15 Measurements: 2012–2018. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9924-9942.	2.4	16
53	On the Acceleration Mechanism of Ultrarelativistic Electrons in the Center of the Outer Radiation Belt: A Statistical Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8590-8599.	2.4	27
54	Recent advances in our understanding of the Earth's Radiation Belts. , 2019, , .		1

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55	Parallel Acceleration of Suprathermal Electrons Caused by Whistlerâ€Mode Hiss Waves. Geophysical Research Letters, 2019, 46, 12675-12684.	4.0	16
56	The Response of Earth's Electron Radiation Belts to Geomagnetic Storms: Statistics From the Van Allen Probes Era Including Effects From Different Storm Drivers. Journal of Geophysical Research: Space Physics, 2019, 124, 1013-1034.	2.4	84
57	Modeling the Proton Radiation Belt With Van Allen Probes Relativistic Electronâ€Proton Telescope Data. Journal of Geophysical Research: Space Physics, 2018, 123, 685-697.	2.4	22
58	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. Journal of Geophysical Research: Space Physics, 2018, 123, 1938-1952.	2.4	86
59	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. Geophysical Research Letters, 2018, 45, 3783-3792.	4.0	66
60	The Social and Economic Impacts of Moderate and Severe Space Weather. , 2018, , 701-710.		1
61	Reply to 'The dynamics of Van Allen belts revisited'. Nature Physics, 2018, 14, 103-104.	16.7	14
62	Radiation Belt â€Dropoutsâ€and Driftâ€Bounce Resonances in Broadband Electromagnetic Waves. Geophysical Research Letters, 2018, 45, 2128-2137.	4.0	14
63	Statistical Similarities Between WSAâ€ENLIL+Cone Model and MAVEN in Situ Observations From November 2014 to March 2016. Space Weather, 2018, 16, 157-171.	3.7	2
64	Space Weather Effects in the Earthâ€™s Radiation Belts. Space Science Reviews, 2018, 214, 1.	8.1	121
65	On the cause of two prompt shock-induced relativistic electron depletion events. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 208-217.	1.6	8
66	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	12.6	221
67	Mercuryâ€™s Dynamic Magnetosphere. , 2018, , 461-496.		8
68	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. Journal of Geophysical Research: Space Physics, 2018, 123, 6394-6423.	2.4	20
69	The Acceleration of Ultrarelativistic Electrons During a Small to Moderate Storm of 21 April 2017. Geophysical Research Letters, 2018, 45, 5818-5825.	4.0	25
70	Fast Diffusion of Ultrarelativistic Electrons in the Outer Radiation Belt: 17 March 2015 Storm Event. Geophysical Research Letters, 2018, 45, 10874-10882.	4.0	49
71	Statistical Study of Mercury's Energetic Electron Events as Observed by the Gammaâ€Ray and Neutron Spectrometer Instrument Onboard MESSENGER. Journal of Geophysical Research: Space Physics, 2018, 123, 4961-4978.	2.4	4
72	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	8.1	129

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73	Characteristics, Occurrence, and Decay Rates of Remnant Belts Associated With Threeâ€œBelt Events in the Earth's Radiation Belts. <i>Geophysical Research Letters</i> , 2018, 45, 12,099.	4.0	11
74	Autogenous and efficient acceleration of energetic ions upstream of Earthâ€™s bow shock. <i>Nature</i> , 2018, 561, 206-210.	27.8	47
75	Pitch Angle Scattering and Loss of Radiation Belt Electrons in Broadband Electromagnetic Waves. <i>Geophysical Research Letters</i> , 2018, 45, 9344-9352.	4.0	21
76	What Causes Radiation Belt Enhancements: A Survey of the Van Allen Probes Era. <i>Geophysical Research Letters</i> , 2018, 45, 5253-5259.	4.0	71
77	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. <i>Icarus</i> , 2018, 315, 146-157.	2.5	216
78	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.	2.4	41
79	Space, still the final frontier. <i>Science</i> , 2018, 361, 207-207.	12.6	3
80	International Geophysical Year: Space Weather Impacts in February 1958. <i>Space Weather</i> , 2018, 16, 775-776.	3.7	4
81	Artificial Neural Networks for Determining Magnetospheric Conditions. , 2018, , 279-300.		24
82	Classification of Magnetospheric Particle Distributions Via Neural Networks. , 2018, , 329-353.		4
83	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.	2.4	15
84	On the relation between radiation belt electrons and solar wind parameters/geomagnetic indices: Dependence on the first adiabatic invariant and $\langle L \rangle^*$. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1624-1642.	2.4	38
85	Proton straggling in thick silicon detectors. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 394, 145-152.	1.4	4
86	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.	2.4	85
87	Generation of extremely low frequency chorus in Van Allen radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3201-3211.	2.4	23
88	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.	4.0	27
89	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.	4.0	31
90	Radiation belt electron dynamics at low L (<4): Van Allen Probes era versus previous two solar cycles. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5224-5234.	2.4	33

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91	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.	2.4	18
92	Anthropogenic Space Weather. <i>Space Science Reviews</i> , 2017, 212, 985-1039.	8.1	32
93	Roles of whistler mode waves and magnetosonic waves in changing the outer radiation belt and the slot region. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5431-5448.	2.4	47
94	Ultra-relativistic radiation belt extinction and ULF wave radial diffusion: Modeling the September 2014 extended dropout event. <i>Geophysical Research Letters</i> , 2017, 44, 2624-2633.	4.0	42
95	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.	2.4	48
96	SAMPEX observations of the South Atlantic anomaly secular drift during solar cycles 22-24. <i>Space Weather</i> , 2017, 15, 44-52.	3.7	16
97	Relativistic Electron Increase During Chorus Wave Activities on the 6-8 March 2016 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,302-11,319.	2.4	5
98	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.	2.4	42
99	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.	2.4	15
100	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.	2.4	18
101	On the Effect of Geomagnetic Storms on Relativistic Electrons in the Outer Radiation Belt: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,100.	2.4	47
102	Space weather research: Earth's radiation belts. <i>Space Weather</i> , 2017, 15, 742-745.	3.7	9
103	Radial transport of radiation belt electrons in kinetic field-line resonances. <i>Geophysical Research Letters</i> , 2017, 44, 8140-8148.	4.0	18
104	Achievements and Challenges in the Science of Space Weather. <i>Space Science Reviews</i> , 2017, 212, 1137-1157.	8.1	45
105	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.	2.4	18
106	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.	2.4	14
107	Space physics and policy for contemporary society. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4430-4435.	2.4	14
108	Measurement of electrons from albedo neutron decay and neutron density in near-Earth space. <i>Nature</i> , 2017, 552, 382-385.	27.8	50

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109	Van Allen Probes Measurements of Energetic Particle Deep Penetration Into the Low L Region (<i>L</i> L L) During the Storm on 8 April 2016. Journal of Geophysical Research: Space Physics, 2017, 122, 12,140.	2.4	22
110	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. Solar Physics, 2017, 292, 1.	2.5	7
111	Discovering Earth's radiation belts. Physics Today, 2017, 70, 46-51.	0.3	16
112	Generation of lower and upper bands of electrostatic electron cyclotron harmonic waves in the Van Allen radiation belts. Geophysical Research Letters, 2017, 44, 5251-5258.	4.0	18
113	Energetic Electron Acceleration and Injection During Dipolarization Events in Mercury's Magnetotail. Journal of Geophysical Research: Space Physics, 2017, 122, 12,170.	2.4	36
114	Rapid Loss of Radiation Belt Relativistic Electrons by EMIC Waves. Journal of Geophysical Research: Space Physics, 2017, 122, 9880-9897.	2.4	38
115	Understanding the Mechanisms of Radiation Belt Dropouts Observed by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2017, 122, 9858-9879.	2.4	83
116	Anthropogenic Space Weather. Space Sciences Series of ISSI, 2017, , 533-587.	0.0	2
117	Space Weather Effects in the Earth's Radiation Belts. Space Sciences Series of ISSI, 2017, , 371-430.	0.0	0
118	Achievements and Challenges in the Science of Space Weather. Space Sciences Series of ISSI, 2017, , 1-21.	0.0	1
119	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. , 2017, , 653-667.		0
120	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with high-resolution observations from MESSENGER. Journal of Geophysical Research: Space Physics, 2016, 121, 2171-2184.	2.4	31
121	Plasma physics and the 2013-2022 decadal survey in solar and space physics. Plasma Physics and Controlled Fusion, 2016, 58, 104003.	2.1	0
122	A neural network approach for identifying particle pitch angle distributions in Van Allen Probes data. Space Weather, 2016, 14, 275-284.	3.7	5
123	Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. Geophysical Research Letters, 2016, 43, 978-987.	4.0	26
124	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. Geophysical Research Letters, 2016, 43, 3009-3016.	4.0	88
125	Ring current electron dynamics during geomagnetic storms based on the Van Allen Probes measurements. Journal of Geophysical Research: Space Physics, 2016, 121, 3333-3346.	2.4	52
126	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 5520-5536.	2.4	77

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127	Becoming a Space Weather-Ready Nation. <i>Space Weather</i> , 2016, 14, 935-936.	3.7	0
128	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.	2.4	152
129	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.	2.4	50
130	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	48
131	Rapid flattening of butterfly pitch angle distributions of radiation belt electrons by whistler-mode chorus. <i>Geophysical Research Letters</i> , 2016, 43, 8339-8347.	4.0	23
132	Evolution of chorus emissions into plasmaspheric hiss observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4518-4529.	2.4	16
133	Compressional ULF wave modulation of energetic particles in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6262-6276.	2.4	14
134	Energetic electron acceleration observed by MMS in the vicinity of an X-line crossing. <i>Geophysical Research Letters</i> , 2016, 43, 7356-7363.	4.0	21
135	Current energetic particle sensors. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8840-8858.	2.4	9
136	Characteristic energy range of electron scattering due to plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,737.	2.4	54
137	Inward diffusion and loss of radiation belt protons. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1969-1978.	2.4	26
138	Ultrarelativistic electron butterfly distributions created by parallel acceleration due to magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3212-3222.	2.4	38
139	Resource Letter SW1: Space Weather. <i>American Journal of Physics</i> , 2016, 84, 166-180.	0.7	49
140	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.	2.4	24
141	EMIC waves and associated relativistic electron precipitation on 25-26 January 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,086.	2.4	36
142	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016, 352, aaf2939.	12.6	545
143	The relationship between the plasmopause and outer belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8392-8416.	2.4	18
144	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016, 43, 5597-5605.	4.0	24

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145	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.	4.0	23
146	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. <i>Geophysical Research Letters</i> , 2016, 43, 4841-4849.	4.0	30
147	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6620-6631.	2.4	67
148	Statistical properties of the radiation belt seed population. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7636-7646.	2.4	51
149	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.	2.4	93
150	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.	2.4	68
151	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.	2.4	19
152	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.	2.4	15
153	Continuous solar wind forcing knowledge: Providing continuous conditions at Mars with the WSA-ENLIL+Cone model. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6207-6222.	2.4	10
154	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.	4.0	51
155	The influences of solar wind pressure and interplanetary magnetic field on global magnetic field and outer radiation belt electrons. <i>Geophysical Research Letters</i> , 2016, 43, 7319-7327.	4.0	20
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