

# D L Turner

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3556965/d-l-turner-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181  
papers

6,532  
citations

43  
h-index

74  
g-index

190  
ext. papers

7,736  
ext. citations

5  
avg, IF

5.67  
L-index

#	Paper	IF	Citations
181	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , <b>2016</b> , 352, aaf2939	33.3	418
180	Electron acceleration in the heart of the Van Allen radiation belts. <i>Science</i> , <b>2013</b> , 341, 991-4	33.3	379
179	Explaining sudden losses of outer radiation belt electrons during geomagnetic storms. <i>Nature Physics</i> , <b>2012</b> , 8, 208-212	16.2	299
178	Effect of EMIC waves on relativistic and ultrarelativistic electron populations: Ground-based and Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1375-1381	4.9	235
177	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , <b>2019</b> , 215, 9	7.5	205
176	Electromagnetic energy conversion at reconnection fronts. <i>Science</i> , <b>2013</b> , 341, 1478-82	33.3	198
175	Statistical characteristics of particle injections throughout the equatorial magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2512-2535	2.6	139
174	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , <b>2018</b> , 362, 1391-1395	33.3	139
173	Evolution and slow decay of an unusual narrow ring of relativistic electrons near L ~ 3.2 following the September 2012 magnetic storm. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 3507-3511	4.9	137
172	Unusual stable trapping of the ultrarelativistic electrons in the Van Allen radiation belts. <i>Nature Physics</i> , <b>2013</b> , 9, 699-703	16.2	128
171	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> , <b>2016</b> , 121, 397-412	2.6	122
170	The effects of transient, localized electric fields on equatorial electron acceleration and transport toward the inner magnetosphere. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		105
169	On the storm-time evolution of relativistic electron phase space density in Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 2196-2212	2.6	94
168	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> , <b>2014</b> , 119, 1530-1540	2.6	92
167	Average thermodynamic and spectral properties of plasma in and around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4369-4383	2.6	90
166	Quantifying the radiation belt seed population in the 17 March 2013 electron acceleration event. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2275-2281	4.9	90
165	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2079-2087	4.9	85

164	Explaining the dynamics of the ultra-relativistic third Van Allen radiation belt. <i>Nature Physics</i> , <b>2016</b> , 12, 978-983	16.2	83
163	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> , <b>2014</b> , 119, 1960-1979	2.6	83
162	Spontaneous hot flow anomalies at quasi-parallel shocks: 1. Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3357-3363	2.6	81
161	First observations of foreshock bubbles upstream of Earth's bow shock: Characteristics and comparisons to HFAs. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1552-1570	2.6	78
160	The role of transient ion foreshock phenomena in driving Pc5 ULF wave activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 299-312	2.6	75
159	Spontaneous hot flow anomalies at quasi-parallel shocks: 2. Hybrid simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 173-180	2.6	72
158	Unraveling the drivers of the storm time radiation belt response. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3076-3084	4.9	70
157	Electron fluxes and pitch-angle distributions at dipolarization fronts: THEMIS multipoint observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 744-755	2.6	65
156	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3042-3050	4.9	65
155	Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 11,265-11,272	4.9	63
154	Radial distributions of equatorial phase space density for outer radiation belt electrons. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	60
153	Quantified energy dissipation rates in the terrestrial bow shock: 2. Waves and dissipation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6475-6495	2.6	59
152	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5571-5580	4.9	59
151	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> , <b>2016</b> , 43, 5616-5625	4.9	56
150	The effects of geomagnetic storms on electrons in Earth's radiation belts. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9176-9184	4.9	55
149	THE MAJOR GEOEFFECTIVE SOLAR ERUPTIONS OF 2012 MARCH 7: COMPREHENSIVE SUN-TO-EARTH ANALYSIS. <i>Astrophysical Journal</i> , <b>2016</b> , 817, 14	4.7	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> , <b>2016</b> , 121, 7622-7635	2.6	49
147	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> , <b>2013</b> , 118, 6489-6499	2.6	49

146	Outer Radiation Belt Flux Dropouts: Current Understanding and Unresolved Questions. <i>Geophysical Monograph Series</i> , <b>2013</b> , 195-212	1.1	48
145	Global impacts of a Foreshock Bubble: Magnetosheath, magnetopause and ground-based observations. <i>Planetary and Space Science</i> , <b>2015</b> , 106, 56-66	2	48
144	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> , <b>2019</b> , 124, 1013-1034	2.6	48
143	What Causes Radiation Belt Enhancements: A Survey of the Van Allen Probes Era. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 5253-5259	4.9	48
142	Dipolarizing flux bundles in the cis-geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 1362-1376	2.6	47
141	Depleting effects of ICME-driven sheath regions on the outer electron radiation belt. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2258-2265	4.9	46
140	Modeling CME-shock-driven storms in 2012-2013: MHD test particle simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1168-1181	2.6	45
139	Quantified energy dissipation rates in the terrestrial bow shock: 1. Analysis techniques and methodology. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6455-6474	2.6	43
138	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 6170-6179	4.9	43
137	THEMIS observations of tangential discontinuity-driven foreshock bubbles. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 7860-7866	4.9	42
136	Investigating the source of near-relativistic and relativistic electrons in Earth's inner radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 695-710	2.6	40
135	Quantitative forecast of relativistic electron flux at geosynchronous orbit based on low-energy electron flux. <i>Space Weather</i> , <b>2008</b> , 6, n/a-n/a	3.7	40
134	Electron Energy Partition across Interplanetary Shocks. I. Methodology and Data Product. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243,	8	39
133	Spatial structure and temporal evolution of energetic particle injections in the inner magnetosphere during the 14 July 2013 substorm event. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1924-1938	2.6	39
132	Statistical properties of the radiation belt seed population. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7636-7646	2.6	37
131	Effects of whistler mode hiss waves in March 2013. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7433-7462	2.6	36
130	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3783-3792	4.9	36
129	On phase space density radial gradients of Earth's outer-belt electrons prior to sudden solar wind pressure enhancements: Results from distinctive events and a superposed epoch analysis. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		36

128	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5635-5643	4.9	36
127	Relativistic Electrons Produced by Foreshock Disturbances Observed Upstream of Earth's Bow Shock. <i>Physical Review Letters</i> , <b>2016</b> , 117, 215101	7.4	35
126	Modulation of plasmaspheric hiss intensity by thermal plasma density structure. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	35
125	A nonstorm time enhancement of relativistic electrons in the outer radiation belt. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 7-12	4.9	34
124	Dynamics of the foreshock compressional boundary and its connection to foreshock cavities. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 823-831	2.6	34
123	The hidden dynamics of relativistic electrons (0.7–5 MeV) in the inner zone and slot region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3127-3144	2.6	33
122	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> , <b>2016</b> , 43, 7785-7794	4.9	33
121	Autogenous and efficient acceleration of energetic ions upstream of Earth's bow shock. <i>Nature</i> , <b>2018</b> , 561, 206-210	50.4	32
120	Multipoint observations of the structure and evolution of foreshock bubbles and their relation to hot flow anomalies. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5489-5509	2.6	30
119	The role of pressure gradients in driving sunward magnetosheath flows and magnetopause motion. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8117-8125	2.6	30
118	ULF wave analysis and radial diffusion calculation using a global MHD model for the 17 March 2013 and 2015 storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7353-7363	2.6	29
117	Observations of a new foreshock region upstream of a foreshock bubble's shock. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4708-4715	4.9	29
116	Radial gradients of phase space density of the outer radiation belt electrons prior to sudden solar wind pressure enhancements. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	29
115	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1260-1278	2.6	27
114	Electron Energy Partition across Interplanetary Shocks. II. Statistics. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 245, 24	8	26
113	Modeling cross L shell impacts of magnetopause shadowing and ULF wave radial diffusion in the Van Allen belts. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 6556-6562	4.9	25
112	Multispacecraft observations of a foreshock-induced magnetopause disturbance exhibiting distinct plasma flows and an intense density compression. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		25
111	Microscopic, Multipoint Characterization of Foreshock Bubbles With Magnetospheric Multiscale (MMS). <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027707	2.6	25

110	Lower Hybrid Drift Waves and Electromagnetic Electron Space-Phase Holes Associated With Dipolarization Fronts and Field-Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,236-12,257	2.6	24
109	A Revised Look at Relativistic Electrons in the Earth's Inner Radiation Zone and Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 934-951	2.6	24
108	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1779	2.6	24
107	Evolution of relativistic outer belt electrons during an extended quiescent period. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9558-9566	2.6	24
106	Observations of a Pc5 global (cavity/waveguide) mode outside the plasmasphere by THEMIS. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		24
105	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> , <b>2017</b> , 122, 11,481-11,504	2.6	23
104	Direct Evidence for Electron Acceleration Within Ion-Scale Flux Rope. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL085141	4.9	23
103	Parametric dependencies of spontaneous hot flow anomalies. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9823-9833	2.6	23
102	The effects of bursty bulk flows on global-scale current systems. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 6139-6149	2.6	23
101	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5584-5609	2.6	22
100	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5960-5968	4.9	22
99	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> , <b>2016</b> , 43, 6051-6059	4.9	21
98	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 127	4.7	21
97	Global ULF wave analysis of radial diffusion coefficients using a global MHD model for the 17 March 2015 storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6196-6206	2.6	21
96	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> , <b>2019</b> , 124, 1125-1142	2.6	21
95	Energetic Electron Injections Deep Into the Inner Magnetosphere: A Result of the Subauroral Polarization Stream (SAPS) Potential Drop. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3811-3819	4.9	20
94	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 93-103	2.6	18
93	New model fit functions of the plasmopause location determined using THEMIS observations during the ascending phase of Solar Cycle 24. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2877-2889	2.6	18

92	Energetic electron acceleration observed by MMS in the vicinity of an X-line crossing. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7356-7363	4.9	18
91	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 11,520	4.9	18
90	Spatial scale and duration of one microburst region on 13 August 2015. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5949-5964	2.6	17
89	Monosov Satellite Space Observatory to Study Extreme Phenomena in Space. <i>Space Science Reviews</i> , <b>2017</b> , 212, 1705-1738	7.5	17
88	Observational Evidence for Stochastic Shock Drift Acceleration of Electrons at the Earth's Bow Shock. <i>Physical Review Letters</i> , <b>2020</b> , 124, 065101	7.4	17
87	Colorado Student Space Weather Experiment: Differential Flux Measurements of Energetic Particles in a Highly Inclined Low Earth Orbit. <i>Geophysical Monograph Series</i> , <b>2013</b> , 385-404	1.1	17
86	The ELFIN Mission. <i>Space Science Reviews</i> , <b>2020</b> , 216, 103	7.5	17
85	Simultaneous event-specific estimates of transport, loss, and source rates for relativistic outer radiation belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3354-3373	2.6	16
84	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,194-10,202	2.6	16
83	Van Allen Probes Measurements of Energetic Particle Deep Penetration Into the Low L Region (L <sub>1</sub> ). <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,140-12,152	2.6	16
82	Comparing and contrasting dispersionless injections at geosynchronous orbit during a substorm event. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3055-3072	2.6	14
81	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , <b>2017</b> , 69, 129	2.9	14
80	Inner zone and slot electron radial diffusion revisited. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7301-7310	4.9	14
79	Dominance of high-energy (>150 keV) heavy ion intensities in Earth's middle to outer magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9282-9293	2.6	14
78	Nonstorm loss of relativistic electrons in the outer radiation belt. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 10,521-10,530	4.9	14
77	Frequency doubling and field-aligned ion streaming in a long-period poloidal pulsation. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		14
76	Formation and Topology of Foreshock Bubbles. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028058	2.6	14
75	Examining Coherency Scales, Substructure, and Propagation of Whistler Mode Chorus Elements With Magnetospheric Multiscale (MMS). <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,201-11,223	2.6	13

74	Reply to 'The dynamics of Van Allen belts revisited'. <i>Nature Physics</i> , <b>2018</b> , 14, 103-104	16.2	13
73	Long-term loss and re-formation of the outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3297-3313	2.6	13
72	Comparison of TWINS and THEMIS observations of proton pitch angle distributions in the ring current during the 29 May 2010 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 4895-4905	2.6	13
71	Observations of Particle Acceleration in Magnetic Reconnection-Driven Turbulence. <i>Astrophysical Journal</i> , <b>2020</b> , 898, 154	4.7	13
70	Magnetospheric Multiscale (MMS) Observations of Magnetic Reconnection in Foreshock Transients. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027822	2.6	12
69	Electron Energy Partition across Interplanetary Shocks. III. Analysis. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 22	4.7	12
68	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,235	2.6	11
67	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> , <b>2019</b> , 46, 11642-11651	4.9	11
66	Statistical analysis of MMS observations of energetic electron escape observed at/beyond the dayside magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9440-9463	2.6	11
65	A parametric study of the source rate for outer radiation belt electrons using a Kalman filter. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		11
64	A Geosynchronous Radiation-belt Electron Empirical Prediction (GREEP) model. <i>Space Weather</i> , <b>2013</b> , 11, 463-475	3.7	11
63	The Dynamics of a High Mach Number Quasi-perpendicular Shock: MMS Observations. <i>Astrophysical Journal</i> , <b>2021</b> , 908, 40	4.7	11
62	Electron Intensity Measurements by the Cluster/RAPID/IES Instrument in Earth's Radiation Belts and Ring Current. <i>Space Weather</i> , <b>2019</b> , 17, 553-566	3.7	10
61	Outer Van Allen Radiation Belt Response to Interacting Interplanetary Coronal Mass Ejections. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1927-1947	2.6	10
60	Electron Microburst Size Distribution Derived With AeroCube-6. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027651	2.6	10
59	Pitch angle distributions of electrons at dipolarization sites during geomagnetic activity: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9747-9760	2.6	10
58	Unique concurrent observations of whistler mode hiss, chorus, and triggered emissions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 6271-6282	2.6	10
57	Using spacecraft measurements ahead of Earth in the Parker spiral to improve terrestrial space weather forecasts. <i>Space Weather</i> , <b>2011</b> , 9, n/a-n/a	3.7	10



56	Storm time impulsive enhancements of energetic oxygen due to adiabatic acceleration of preexisting warm oxygen in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7739-7752	2.6	10
55	Simulations of Electron Flux Oscillations as Observed by MagEIS in Response to Broadband ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027798	2.6	9
54	Combined effects of concurrent Pc5 and chorus waves on relativistic electron dynamics. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 1173-1181	2	9
53	Contamination in electron observations of the silicon detector on board Cluster/RAPID/IES instrument in Earth's radiation belts and ring current. <i>Space Weather</i> , <b>2016</b> , 14, 449-462	3.7	8
52	Particle Acceleration in Strong Turbulence in the Earth's Magnetotail. <i>Astrophysical Journal</i> , <b>2020</b> , 898, 153	4.7	8
51	Evidence of Microbursts Observed Near the Equatorial Plane in the Outer Van Allen Radiation Belt. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8044-8053	4.9	8
50	Diagnosis of ULF Wave-Particle Interactions With Mega-electron Volt Electrons: The Importance of Ultrahigh-Resolution Energy Channels. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 10,883	4.9	8
49	Microinjections observed by MMS FEEPS in the dusk to midnight region. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6078-6086	4.9	7
48	Significant loss of energetic electrons at the heart of the outer radiation belt during weak magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 4221-4236	2.6	7
47	An improved forecast system for relativistic electrons at geosynchronous orbit. <i>Space Weather</i> , <b>2011</b> , 9, n/a-n/a	3.7	7
46	Outer radiation belt and inner magnetospheric response to sheath regions of coronal mass ejections: a statistical analysis. <i>Annales Geophysicae</i> , <b>2020</b> , 38, 683-701	2	7
45	Outer radiation belt losses by magnetopause incursions and outward radial transport: new insight and outstanding questions from the Van Allen Probes era <b>2020</b> , 1-28		7
44	MMS/FEEPS Observations of Electron Microinjections Due to Kelvin-Helmholtz Waves and Flux Transfer Events: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5364-5378	2.6	6
43	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11622-11631	4.9	6
42	Improved outer boundary conditions for outer radiation belt data assimilation using THEMIS-SST data and the Salammbó-EnKF code. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5608-5622	2.6	6
41	Premidnight Preponderance of Dispersionless Ion and Electron Injections. <i>Geophysical Monograph Series</i> , <b>2017</b> , 171-185	1.1	5
40	Scientific Objectives of Electron Losses and Fields Investigation Onboard Lomonosov Satellite. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	5
39	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 9397-9405	4.9	5

38	Drift-Dispersed Flux Dropouts of Energetic Electrons Observed in Earth's Middle Magnetosphere by the Magnetospheric Multiscale (MMS) Mission. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 3069-3078	4.9	5
37	Magnetic Local Time-Resolved Examination of Radiation Belt Dynamics during High-Speed Solar Wind Speed-Triggered Substorm Clusters. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10219-10229	4.9	5
36	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> , <b>2021</b> , 48, e2020GL090089	4.9	5
35	Storm Time Depletions of Multi-MeV Radiation Belt Electrons Observed at Different Pitch Angles. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8943-8953	2.6	4
34	Characteristics of Energetic Electrons Near Active Magnetotail Reconnection Sites: Statistical Evidence for Local Energization. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL090087	4.9	4
33	Characteristics of Electron Precipitation During 40 Energetic Electron Injections Inferred via Subionospheric VLF Signal Propagation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027233	3.6	3
32	Charge-State-Dependent Energization of Suprathermal Ions During Substorm Injections Observed by MMS in the Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028144	2.6	3
31	Subcritical Growth of Electron Phase-space Holes in Planetary Radiation Belts. <i>Astrophysical Journal</i> , <b>2017</b> , 846, 83	4.7	3
30	Heliospheric Maps from Cassini INCA Early in the Cruise to Saturn. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 902, L45	7.9	3
29	The Magnetic Electron Ion Spectrometer: A Review of On-Orbit Sensor Performance, Data, Operations, and Science. <i>Space Science Reviews</i> , <b>2021</b> , 217, 80	7.5	3
28	The Role of Mesoscale Plasma Sheet Dynamics in Ring Current Formation. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2021</b> , 8,	3.8	3
27	Why Are There so Few Reports of High-Energy Electron Drift Resonances? Role of Radial Phase Space Density Gradients. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027924	2.6	3
26	Kinetic Interaction of Cold and Hot Protons With an Oblique EMIC Wave Near the Dayside Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092376	4.9	3
25	Direct Multipoint Observations Capturing the Reformation of a Supercritical Fast Magnetosonic Shock. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 911, L31	7.9	3
24	Local Acceleration of Protons to 100 keV in a Quasi-Parallel Bow Shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029477	2.6	3
23	Scattering by whistler-mode waves during a quiet period perturbed by substorm activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2021</b> , 215, 105471	2	3
22	Magnetospheric Multiscale Observations of Earth's Oblique Bow Shock Reformation by Foreshock Ultralow-Frequency Waves. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091184	4.9	3
21	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> , <b>2020</b> , 1623, 012005	0.3	2

20	Determining EMIC Wave Vector Properties Through Multi-Point Measurements: The Wave Curl Analysis. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028922	2.6	2
19	Magnetospheric Multiscale Observations of the Source Region of Energetic Electron Microinjections Along the Dusk-side, High-Latitude Magnetopause Boundary Layer. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092466	4.9	2
18	Direct Evidence for Magnetic Reflection of Heavy Ions from High Mach Number Collisionless Shocks. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 915, L19	7.9	2
17	Evidence for Nonadiabatic Oxygen Energization in the Near-Earth Magnetotail From MMS. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091697	4.9	2
16	Can Earth's magnetotail plasma sheet produce a source of relativistic electrons for the radiation belts?. <i>Geophysical Research Letters</i> , e2021GL095495	4.9	2
15	Application of Cold and Hot Plasma Composition Measurements to Investigate Impacts on Dusk-Side Electromagnetic Ion Cyclotron Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126,	2.6	2
14	Shocks in the Very Local Interstellar Medium.. <i>Space Science Reviews</i> , <b>2022</b> , 218, 27	7.5	2
13	Delayed Arrival of Energetic Solar Particles at MMS on 16 July 2017. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2711-2719	2.6	1
12	Statistical Properties of Electron Curtain Precipitation Estimated With AeroCube-6. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028462	2.6	1
11	Cross-Scale Quantification of Storm-Time Dayside Magnetospheric Magnetic Flux Content. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028027	2.6	1
10	The Cusp Plasma Imaging Detector (CuPID) CubeSat Observatory: Mission Overview. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA029015	2.6	1
9	Evaluating the de Hoffmann-Teller cross-shock potential at real collisionless shocks		1
8	Acceleration of Oxygen Ions In Dipolarization Events: 2. PSBL Distributions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029143	2.6	1
7	Acceleration of Oxygen Ions in Dipolarization Events: 1. CPS Distributions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029184	2.6	1
6	Evaluating the deHoffmann-Teller Cross-Shock Potential at Real Collisionless Shocks. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029295	2.6	1
5	Kinetic-Scale Magnetic Holes Inside Foreshock Transients. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029748	2.6	1
4	Electron energization and thermal to non-thermal energy partition during earth's magnetotail reconnection. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 052904	2.1	1
3	Space science: Near-Earth space shows its stripes. <i>Nature</i> , <b>2014</b> , 507, 308-9	50.4	0

- 2 Investigating the Link Between Outer Radiation Belt Losses and Energetic Electron Escape at the Magnetopause: A Case Study Using Multi-Mission Observations and Simulations. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029261 2.6 0
- 1 A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029294 2.6