

# D L Turner

## 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.

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 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
180	Shocks in the Very Local Interstellar Medium.. <i>Space Science Reviews</i> , <b>2022</b> , 218, 27	7.5	2
179	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
178	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
177	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
176	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
175	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
174	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
173	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
172	A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029294	2.6	
171	Investigating the Link Between Outer Radiation Belt Losses and Energetic Electron Escape at the Magnetopause: A Case Study Using Multi-Mission Observations and Simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029261	2.6	0
170	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
169	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
168	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
167	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
166	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
165	The Dynamics of a High Mach Number Quasi-perpendicular Shock: MMS Observations. <i>Astrophysical Journal</i> , <b>2021</b> , 908, 40	4.7	11

164	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
163	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
162	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
161	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
160	Kinetic-Scale Magnetic Holes Inside Foreshock Transients. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029748	2.6	1
159	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
158	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
157	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	2.6	3
156	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
155	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
154	Electron Microburst Size Distribution Derived With AeroCube-6. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027651	2.6	10
153	Direct Evidence for Electron Acceleration Within Ion-Scale Flux Rope. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL085141	4.9	23
152	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
151	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
150	Heliospheric Maps from Cassini INCA Early in the Cruise to Saturn. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 902, L45	7.9	3
149	Electron Energy Partition across Interplanetary Shocks. III. Analysis. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 22	4.7	12
148	Particle Acceleration in Strong Turbulence in the Earth's Magnetotail. <i>Astrophysical Journal</i> , <b>2020</b> , 898, 153	4.7	8
147	Observations of Particle Acceleration in Magnetic Reconnection-Driven Turbulence. <i>Astrophysical Journal</i> , <b>2020</b> , 898, 154	4.7	13

146	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
145	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
144	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
143	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
142	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
141	The ELFIN Mission. <i>Space Science Reviews</i> , <b>2020</b> , 216, 103	7.5	17
140	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
139	Formation and Topology of Foreshock Bubbles. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028058	2.6	14
138	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
137	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
136	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
135	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
134	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , <b>2019</b> , 215, 9	7.5	205
133	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
132	Electron Energy Partition across Interplanetary Shocks. I. Methodology and Data Product. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243,	8	39
131	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
130	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
129	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

128	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
127	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
126	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11622-11631	4.9	6
125	Electron Energy Partition across Interplanetary Shocks. II. Statistics. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 245, 24	8	26
124	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
123	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
122	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
121	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
120	Reply to 'The dynamics of Van Allen belts revisited'. <i>Nature Physics</i> , <b>2018</b> , 14, 103-104	16.2	13
119	Scientific Objectives of Electron Losses and Fields INvestigation Onboard Lomonosov Satellite. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	5
118	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
117	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
116	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
115	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
114	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
113	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
112	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
111	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

110	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 11,520	4.9	18
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	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> , <b>2017</b> , 122, 3127-3144	2.6	33
101	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
100	Premidnight Preponderance of Dispersionless Ion and Electron Injections. <i>Geophysical Monograph Series</i> , <b>2017</b> , 171-185	1.1	5
99	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
98	Domonosov Satellite Space Observatory to Study Extreme Phenomena in Space. <i>Space Science Reviews</i> , <b>2017</b> , 212, 1705-1738	7.5	17
97	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
96	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, 11,201-11,228	2.6	13
95	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
94	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
93	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , <b>2017</b> , 69, 129	2.9	14

92	Dominance of high-energy (>150keV) 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
91	Subcritical Growth of Electron Phase-space Holes in Planetary Radiation Belts. <i>Astrophysical Journal</i> , <b>2017</b> , 846, 83	4.7	3
90	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
89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	Inner zone and slot electron radial diffusion revisited. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7301-7310	4.9	14
77	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
76	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
75	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

74	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
73	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5571-5580	4.9	59
72	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
71	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
70	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
69	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
68	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
67	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
66	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , <b>2016</b> , 352, aaf2939	33.3	418
65	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
64	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
63	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5635-5643	4.9	36
62	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
61	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
60	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
59	Unraveling the drivers of the storm time radiation belt response. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3076-3084	4.9	70
58	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
57	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



56	THEMIS observations of tangential discontinuity-driven foreshock bubbles. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 7860-7866	4.9	42
55	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
54	Improved outer boundary conditions for outer radiation belt data assimilation using THEMIS-SST data and the Salamambo-EnKF code. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5608-5622 <sup>2.6</sup>	2.6	6
53	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
52	Combined effects of concurrent Pc5 and chorus waves on relativistic electron dynamics. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 1173-1181	2	9
51	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
50	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
49	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
48	Space science: Near-Earth space shows its stripes. <i>Nature</i> , <b>2014</b> , 507, 308-9	50.4	0
47	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
46	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
45	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
44	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
43	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
42	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
41	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
40	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
39	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

38	Parametric dependencies of spontaneous hot flow anomalies. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9823-9833	2.6	23
37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	Electron acceleration in the heart of the Van Allen radiation belts. <i>Science</i> , <b>2013</b> , 341, 991-4	33.3	379
29	Electromagnetic energy conversion at reconnection fronts. <i>Science</i> , <b>2013</b> , 341, 1478-82	33.3	198
28	Outer Radiation Belt Flux Dropouts: Current Understanding and Unresolved Questions. <i>Geophysical Monograph Series</i> , <b>2013</b> , 195-212	1.1	48
27	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
26	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
25	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
24	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
23	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
22	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
21	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

20	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
19	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
18	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
17	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
16	A Geosynchronous Radiation-belt Electron Empirical Prediction (GREEP) model. <i>Space Weather</i> , <b>2013</b> , 11, 463-475	3.7	11
15	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
14	Explaining sudden losses of outer radiation belt electrons during geomagnetic storms. <i>Nature Physics</i> , <b>2012</b> , 8, 208-212	16.2	299
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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

2 Evaluating the de Hoffmann-Teller cross-shock potential at real collisionless shocks 1

1 Can Earth's magnetotail plasma sheet produce a source of relativistic electrons for the radiation belts?. *Geophysical Research Letters*, 2021, GL095495 4.9 2