

# Geoff D Reeves

## List of Publications by Year in descending order

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557  
papers

25,676  
citations

5876

81  
h-index

14156

128  
g-index

584  
all docs

584  
docs citations

584  
times ranked

3921  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acceleration and loss of relativistic electrons during geomagnetic storms. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	684
2	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. <i>Nature</i> , 2013, 504, 411-414.	13.7	608
3	Electron Acceleration in the Heart of the Van Allen Radiation Belts. <i>Science</i> , 2013, 341, 991-994.	6.0	463
4	Science Goals and Overview of the Radiation Belt Storm Probes (RBSP) Energetic Particle, Composition, and Thermal Plasma (ECT) Suite on NASA's Van Allen Probes Mission. <i>Space Science Reviews</i> , 2013, 179, 311-336.	3.7	463
5	Helium, Oxygen, Proton, and Electron (HOPE) Mass Spectrometer for the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013, 179, 423-484.	3.7	459
6	Relativistic electron dynamics in the inner magnetosphere – a review. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 265-282.	0.6	391
7	Outward radial diffusion driven by losses at magnetopause. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	328
8	Current understanding of magnetic storms: Storm-substorm relationships. <i>Journal of Geophysical Research</i> , 1998, 103, 17705-17728.	3.3	309
9	Effect of EMIC waves on relativistic and ultrarelativistic electron populations: Ground-based and Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014, 41, 1375-1381.	1.5	294
10	Multisatellite observations of the outer zone electron variation during the November 3 <sup>rd</sup> , 1993, magnetic storm. <i>Journal of Geophysical Research</i> , 1997, 102, 14123-14140.	3.3	274
11	Modeling ring current proton precipitation by electromagnetic ion cyclotron waves during the May 14-16, 1997, storm. <i>Journal of Geophysical Research</i> , 2001, 106, 7-22.	3.3	261
12	High-speed ion flow, substorm current wedge, and multiple Pi 2 pulsations. <i>Journal of Geophysical Research</i> , 1998, 103, 4491-4507.	3.3	260
13	The energization of relativistic electrons in the outer Van Allen radiation belt. <i>Nature Physics</i> , 2007, 3, 614-617.	6.5	237
14	Quantitative prediction of radiation belt electrons at geostationary orbit based on solar wind measurements. <i>Geophysical Research Letters</i> , 2001, 28, 1887-1890.	1.5	232
15	A Long-Lived Relativistic Electron Storage Ring Embedded in Earth's Outer Van Allen Belt. <i>Science</i> , 2013, 340, 186-190.	6.0	216
16	Source and seed populations for relativistic electrons: Their roles in radiation belt changes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7240-7254.	0.8	215
17	Which magnetic storms produce relativistic electrons at geosynchronous orbit?. <i>Journal of Geophysical Research</i> , 2001, 106, 15533-15544.	3.3	201
18	Simulation of dispersionless injections and drift echoes of energetic electrons associated with substorms. <i>Geophysical Research Letters</i> , 1998, 25, 3763-3766.	1.5	199

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19	Characteristic plasma properties during dispersionless substorm injections at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1997, 102, 2309-2324.	3.3	188
20	Are north-south aligned auroral structures an ionospheric manifestation of bursty bulk flows?. <i>Geophysical Research Letters</i> , 1998, 25, 3737-3740.	1.5	186
21	Multipoint analysis of a bursty bulk flow event on April 11, 1985. <i>Journal of Geophysical Research</i> , 1996, 101, 4967-4989.	3.3	184
22	Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4681-4693.	0.8	182
23	Substorm electron injections: Geosynchronous observations and test particle simulations. <i>Journal of Geophysical Research</i> , 1998, 103, 9235-9248.	3.3	172
24	Multiple-spacecraft observation of a narrow transient plasma jet in the Earth's plasma sheet. <i>Geophysical Research Letters</i> , 2000, 27, 851-854.	1.5	172
25	Development of auroral streamers in association with localized impulsive injections to the inner magnetotail. <i>Geophysical Research Letters</i> , 1999, 26, 417-420.	1.5	153
26	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.	0.8	152
27	Evolution and slow decay of an unusual narrow ring of relativistic electrons near $L \approx 3.2$ following the September 2012 magnetic storm. <i>Geophysical Research Letters</i> , 2013, 40, 3507-3511.	1.5	150
28	On the relationship between relativistic electron flux and solar wind velocity: Paulikas and Blake revisited. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	148
29	Substorm ion injections: Geosynchronous observations and test particle orbits in three-dimensional dynamic MHD fields. <i>Journal of Geophysical Research</i> , 1997, 102, 2325-2341.	3.3	145
30	Relativistic electrons and magnetic storms: 1992-1995. <i>Geophysical Research Letters</i> , 1998, 25, 1817-1820.	1.5	145
31	Coronal mass ejections, magnetic clouds, and relativistic magnetospheric electron events: ISTP. <i>Journal of Geophysical Research</i> , 1998, 103, 17279-17291.	3.3	144
32	Kinetic simulations of ring current evolution during the Geospace Environment Modeling challenge events. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	144
33	Earthward flow bursts in the inner magnetotail and their relation to auroral brightenings, AKR intensifications, geosynchronous particle injections and magnetic activity. <i>Journal of Geophysical Research</i> , 1999, 104, 355-370.	3.3	139
34	Event-specific chorus wave and electron seed population models in DREAM3D using the Van Allen Probes. <i>Geophysical Research Letters</i> , 2014, 41, 1359-1366.	1.5	136
35	First results from the RAPID imaging energetic particle spectrometer on board Cluster. <i>Annales Geophysicae</i> , 2001, 19, 1355-1366.	0.6	135
36	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013, 40, 4127-4132.	1.5	134

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37	Recurrent geomagnetic storms and relativistic electron enhancements in the outer magnetosphere: ISTP coordinated measurements. <i>Journal of Geophysical Research</i> , 1997, 102, 14141-14148.	3.3	133
38	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2754-2766.	0.8	133
39	Radiation belt electron flux dropouts: Local time, radial, and particle-energy dependence. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 21-1.	3.3	129
40	Van Allen Probes observation of localized drift resonance between poloidal mode ultra-low frequency waves and 60 keV electrons. <i>Geophysical Research Letters</i> , 2013, 40, 4491-4497.	1.5	127
41	Gradual diffusion and punctuated phase space density enhancements of highly relativistic electrons: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014, 41, 1351-1358.	1.5	127
42	Van Allen probes, NOAA, GOES, and ground observations of an intense EMIC wave event extending over 12 h in magnetic local time. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5465-5488.	0.8	127
43	An unusual enhancement of low-frequency plasmaspheric hiss in the outer plasmasphere associated with substorm-injected electrons. <i>Geophysical Research Letters</i> , 2013, 40, 3798-3803.	1.5	120
44	Self-consistent modeling of magnetic fields and plasmas in the inner magnetosphere: Application to a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	119
45	Disturbed space environment may have been related to pager satellite failure. <i>Eos</i> , 1998, 79, 477-477.	0.1	118
46	A strong CME-related magnetic cloud interaction with the Earth's Magnetosphere: ISTP observations of rapid relativistic electron acceleration on May 15, 1997. <i>Geophysical Research Letters</i> , 1998, 25, 2975-2978.	1.5	118
47	Observations in the vicinity of substorm onset: Implications for the substorm process. <i>Journal of Geophysical Research</i> , 1995, 100, 7937.	3.3	116
48	Energetic electrons, 50 keV to 6 MeV, at geosynchronous orbit: Their responses to solar wind variations. <i>Space Weather</i> , 2005, 3, n/a-n/a.	1.3	112
49	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. <i>Geophysical Research Letters</i> , 2015, 42, 2079-2087.	1.5	112
50	Modeling radiation belt electron dynamics during GEM challenge intervals with the DREAM3D diffusion model. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6197-6211.	0.8	111
51	The Energetic Particle Detector (EPD) Investigation and the Energetic Ion Spectrometer (EIS) for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , 2016, 199, 471-514.	3.7	111
52	Are energetic electrons in the solar wind the source of the outer radiation belt?. <i>Geophysical Research Letters</i> , 1997, 24, 923-926.	1.5	110
53	On the cause and extent of outer radiation belt losses during the 30 September 2012 dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1530-1540.	0.8	110
54	Resonant scattering of energetic electrons by unusual low-frequency hiss. <i>Geophysical Research Letters</i> , 2014, 41, 1854-1861.	1.5	110

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55	Van Allen Probes show that the inner radiation zone contains no MeV electrons: ECT/MagEIS data. <i>Geophysical Research Letters</i> , 2015, 42, 1283-1289.	1.5	109
56	Multisatellite determination of the relativistic electron phase space density at geosynchronous orbit: Methodology and results during geomagnetically quiet times. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	107
57	Quantifying the radiation belt seed population in the 17 March 2013 electron acceleration event. <i>Geophysical Research Letters</i> , 2014, 41, 2275-2281.	1.5	107
58	Magnetometer array for cusp and cleft studies observations of the spatial extent of broadband ULF magnetic pulsations at cusp/cleft latitudes. <i>Journal of Geophysical Research</i> , 1995, 100, 19371.	3.3	105
59	The relativistic electron response at geosynchronous orbit during the January 1997 magnetic storm. <i>Journal of Geophysical Research</i> , 1998, 103, 17559-17570.	3.3	104
60	Discovery of the action of a geophysical synchrotron in the Earth's Van Allen radiation belts. <i>Nature Communications</i> , 2013, 4, .	5.8	104
61	Competing source and loss mechanisms due to wave-particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1960-1979.	0.8	103
62	Observations of coincident EMIC wave activity and duskside energetic electron precipitation on 18-19 January 2013. <i>Geophysical Research Letters</i> , 2015, 42, 5727-5735.	1.5	102
63	First energetic neutral atom images from Polar. <i>Geophysical Research Letters</i> , 1997, 24, 1167-1170.	1.5	101
64	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3325-3332.	0.8	101
65	Whistler anisotropy instabilities as the source of banded chorus: Van Allen Probes observations and particle-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8288-8298.	0.8	101
66	Multi-satellite measurements of the substorm injection region. <i>Geophysical Research Letters</i> , 1990, 17, 2015-2018.	1.5	100
67	Magnetospheric and auroral activity during the 18 April 2002 sawtooth event. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	100
68	Explaining the dynamics of the ultra-relativistic third Van Allen radiation belt. <i>Nature Physics</i> , 2016, 12, 978-983.	6.5	97
69	The global response of relativistic radiation belt electrons to the January 1997 magnetic cloud. <i>Geophysical Research Letters</i> , 1998, 25, 3265-3268.	1.5	96
70	Observations and modeling of energetic electron dynamics during the October 2001 storm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	94
71	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.	0.8	93
72	Numerical tracing of energetic particle drifts in a model magnetosphere. <i>Journal of Geophysical Research</i> , 1991, 96, 13997-14008.	3.3	90

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73	Unraveling the drivers of the storm time radiation belt response. <i>Geophysical Research Letters</i> , 2015, 42, 3076-3084.	1.5	90
74	The Flyâ€™s Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , 2016, 199, 309-329.	3.7	89
75	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , 2007, 25, 801-814.	0.6	88
76	Dropouts of the outer electron radiation belt in response to solar wind stream interfaces: global positioning system observations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 3329-3350.	1.0	88
77	Prompt energization of relativistic and highly relativistic electrons during a substorm interval: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014, 41, 20-25.	1.5	88
78	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , 2016, 43, 3009-3016.	1.5	88
79	Analysis of GEO spacecraft anomalies: Space weather relationships. <i>Space Weather</i> , 2011, 9, .	1.3	87
80	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. <i>Geophysical Research Letters</i> , 2015, 42, 987-995.	1.5	87
81	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1938-1952.	0.8	86
82	Geotail observations of substorm onset in the inner magnetotail. <i>Journal of Geophysical Research</i> , 1998, 103, 103-117.	3.3	85
83	The Response of Earth's Electron Radiation Belts to Geomagnetic Storms: Statistics From the Van Allen Probes Era Including Effects From Different Storm Drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1013-1034.	0.8	84
84	Radial diffusion modeling with empirical lifetimes: comparison with CRRES observations. <i>Annales Geophysicae</i> , 2005, 23, 1467-1471.	0.6	82
85	On relative timing in substorm onset signatures. <i>Journal of Geophysical Research</i> , 1999, 104, 22807-22817.	3.3	79
86	Information theoretical approach to discovering solar wind drivers of the outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9378-9399.	0.8	79
87	Geotail observations of energetic ion species and magnetic field in plasmoid-like structures in the course of an isolated substorm event. <i>Journal of Geophysical Research</i> , 1997, 102, 11409-11428.	3.3	78
88	Stormâ€dependent radiation belt electron dynamics. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	78
89	A background correction algorithm for Van Allen Probes MagEIS electron flux measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5703-5727.	0.8	78
90	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5520-5536.	0.8	77

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91	An overview of the early November 1993 geomagnetic storm. <i>Journal of Geophysical Research</i> , 1998, 103, 26197-26220.	3.3	76
92	Nonlinear electric field structures in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2014, 41, 5693-5701.	1.5	76
93	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. <i>Geophysical Research Letters</i> , 2016, 43, 8867-8875.	1.5	75
94	Dynamic Radiation Environment Assimilation Model: DREAM. <i>Space Weather</i> , 2012, 10, .	1.3	74
95	Acceleration and loss of relativistic electrons during small geomagnetic storms. <i>Geophysical Research Letters</i> , 2015, 42, 10113-10119.	1.5	74
96	Periodic magnetospheric substorms and their relationship with solar wind variations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	73
97	Phase space density distributions of energetic electrons in the outer radiation belt during two Geospace Environment Modeling Inner Magnetosphere/Storms selected storms. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	73
98	Electric field structures and waves at plasma boundaries in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4246-4263.	0.8	73
99	Observations of magnetospheric substorms occurring with no apparent solar wind/IMF trigger. <i>Journal of Geophysical Research</i> , 1996, 101, 10773-10791.	3.3	72
100	The fine-scale structure of the outer plasmasphere. <i>Journal of Geophysical Research</i> , 1995, 100, 8021.	3.3	71
101	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , 2015, 6, 10096.	5.8	71
102	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> , 2016, 43, 5616-5625.	1.5	71
103	What Causes Radiation Belt Enhancements: A Survey of the Van Allen Probes Era. <i>Geophysical Research Letters</i> , 2018, 45, 5253-5259.	1.5	71
104	Two substorm intensifications compared: Onset, expansion, and global consequences. <i>Journal of Geophysical Research</i> , 1998, 103, 15-27.	3.3	70
105	Reanalysis of relativistic radiation belt electron fluxes using CRRES satellite data, a radial diffusion model, and a Kalman filter. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	70
106	The evolution of ring current ion energy density and energy content during geomagnetic storms based on Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7493-7511.	0.8	70
107	Substorms during the 10–11 August 2000 sawtooth event. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	69
108	Direct Observation of Radiation-Belt Electron Acceleration from Electron-Volt Energies to Megavolts by Nonlinear Whistlers. <i>Physical Review Letters</i> , 2014, 113, 035001.	2.9	69

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109	Identifying the radiation belt source region by data assimilation. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	68
110	The analysis of electron fluxes at geosynchronous orbit employing a NARMAX approach. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1500-1513.	0.8	68
111	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.	0.8	68
112	Event study of deep energetic particle injections during substorm. <i>Journal of Geophysical Research</i> , 1998, 103, 9217-9234.	3.3	67
113	Combined convective and diffusive simulations: VERB 4D comparison with 17 March 2013 Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2015, 42, 9600-9608.	1.5	67
114	Energetic, relativistic, and ultrarelativistic electrons: Comparison of long-term VERB code simulations with Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3574-3587.	0.8	67
115	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6620-6631.	0.8	67
116	Behavior of MeV electrons at geosynchronous orbit during last two solar cycles. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	66
117	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. <i>Geophysical Research Letters</i> , 2018, 45, 3783-3792.	1.5	66
118	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. <i>Nature Physics</i> , 2019, 15, 367-372.	6.5	66
119	First results from CSSWE CubeSat: Characteristics of relativistic electrons in the near-Earth environment during the October 2012 magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6489-6499.	0.8	65
120	Two-satellite observations of substorm injections at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2001, 106, 8405-8416.	3.3	62
121	The storm-substorm relationship: Ion injections in geosynchronous measurements and composite energetic neutral atom images. <i>Journal of Geophysical Research</i> , 2001, 106, 5833-5844.	3.3	62
122	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2015, 42, 6170-6179.	1.5	62
123	Electron-acoustic solitons and double layers in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4575-4583.	1.5	62
124	An observational test of the Tsyganenko (T89a) model of the magnetospheric field. <i>Journal of Geophysical Research</i> , 1996, 101, 24827-24836.	3.3	60
125	Energetic particle injections in the inner magnetosphere as a response to an interplanetary shock. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2003, 65, 233-244.	0.6	60
126	Periodic magnetospheric substorms: Multiple space-based and ground-based instrumental observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	60



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127	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2014, 41, 229-235.	1.5	60
128	Substorm injection of relativistic electrons to geosynchronous orbit during the great magnetic storm of March 24, 1991. <i>Journal of Geophysical Research</i> , 2001, 106, 25759-25776.	3.3	59
129	Comparison of geosynchronous energetic particle flux responses to solar wind dynamic pressure enhancements and substorms. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
130	High-resolution in situ observations of electron precipitation causing EMIC waves. <i>Geophysical Research Letters</i> , 2015, 42, 9633-9641.	1.5	59
131	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers at L= 2. <i>Geophysical Research Letters</i> , 2000, 27, 633-636.	1.5	58
132	Energetic particle counterparts for geomagnetic pulsations of Pc1 and IPDP types. <i>Annales Geophysicae</i> , 2003, 21, 2281-2292.	0.6	58
133	Differences in geomagnetic storms driven by magnetic clouds and ICME sheath regions. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	58
134	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2014, 41, 5702-5709.	1.5	56
135	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , 2014, 41, 4101-4108.	1.5	55
136	Characteristic energy range of electron scattering due to plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,737.	0.8	54
137	Global energetic neutral atom (ENA) measurements and their association with the Dst index. <i>Geophysical Research Letters</i> , 1997, 24, 3173-3176.	1.5	53
138	Energetic electron injections into the inner magnetosphere during the Jan. 10-11, 1997 magnetic storm. <i>Geophysical Research Letters</i> , 1998, 25, 2561-2564.	1.5	53
139	Multisatellite determination of the relativistic electron phase space density at geosynchronous orbit: An integrated investigation during geomagnetic storm times. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	53
140	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerang-shaped pitch angle evolutions. <i>Geophysical Research Letters</i> , 2017, 44, 7618-7627.	1.5	53
141	April 2000 magnetic storm: Solar wind driver and magnetospheric response. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 15-1-SMP 15-21.	3.3	52
142	IMAGE, POLAR, and geosynchronous observations of substorm and ring current ion injection. <i>Geophysical Monograph Series</i> , 2003, , 91-101.	0.1	52
143	Variations of low-latitude geomagnetic fields and Dst index caused by magnetospheric substorms. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	52
144	Ring current electron dynamics during geomagnetic storms based on the Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3333-3346.	0.8	52

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145	Auroral poleward boundary intensifications and tail bursty flows: A manifestation of a large-scale ULF oscillation?. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 9-1.	3.3	51
146	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. <i>Geophysical Research Letters</i> , 2014, 41, 6307-6313.	1.5	51
147	Statistical properties of the radiation belt seed population. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7636-7646.	0.8	51
148	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.	1.5	51
149	Identification of the source of quasiperiodic VLF emissions using ground-based and Van Allen Probes satellite observations. <i>Geophysical Research Letters</i> , 2015, 42, 6137-6145.	1.5	50
150	Correlated Pc4-5 ULF waves, whistler-mode chorus, and pulsating aurora observed by the Van Allen Probes and ground-based systems. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8749-8761.	0.8	50
151	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.	0.8	50
152	The relationship between the macroscopic state of electrons and the properties of chorus waves observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2016, 43, 7804-7812.	1.5	50
153	Effects of whistler mode hiss waves in March 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7433-7462.	0.8	50
154	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2466-2483.	0.8	50
155	A comparison of midlatitude Pi 2 pulsations and geostationary orbit particle injections as substorm indicators. <i>Journal of Geophysical Research</i> , 1994, 99, 4085.	3.3	49
156	Intense duskside lower band chorus waves observed by Van Allen Probes: Generation and potential acceleration effect on radiation belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4266-4273.	0.8	49
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