

# Geoff D Reeves

## List of Publications by Citations

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546  
papers

20,615  
citations

75  
h-index

116  
g-index

583  
ext. papers

23,037  
ext. citations

3.7  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
546	Acceleration and loss of relativistic electrons during geomagnetic storms. <i>Geophysical Research Letters</i> , <b>2003</b> , 30, n/a-n/a	4.9	599
545	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. <i>Nature</i> , <b>2013</b> , 504, 411-4	50.4	481
544	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> , <b>2013</b> , 179, 311-336	7.5	383
543	Electron acceleration in the heart of the Van Allen radiation belts. <i>Science</i> , <b>2013</b> , 341, 991-4	33.3	379
542	Helium, Oxygen, Proton, and Electron (HOPE) Mass Spectrometer for the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , <b>2013</b> , 179, 423-484	7.5	356
541	Relativistic electron dynamics in the inner magnetosphere – a review. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2002</b> , 64, 265-282	2	350
540	Outward radial diffusion driven by losses at magnetopause. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		293
539	Current understanding of magnetic storms: Storm-substorm relationships. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17705-17728		251
538	Multisatellite observations of the outer zone electron variation during the November 3 <sup>rd</sup> , 1993, magnetic storm. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 14123-14140		245
537	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
536	Modeling ring current proton precipitation by electromagnetic ion cyclotron waves during the May 14 <sup>th</sup> , 1997, storm. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 7-22		228
535	High-speed ion flow, substorm current wedge, and multiple Pi 2 pulsations. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 4491-4507		226
534	The energization of relativistic electrons in the outer Van Allen radiation belt. <i>Nature Physics</i> , <b>2007</b> , 3, 614-617	16.2	204
533	Quantitative prediction of radiation belt electrons at geostationary orbit based on solar wind measurements. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 1887-1890	4.9	191
532	A long-lived relativistic electron storage ring embedded in Earth's outer Van Allen belt. <i>Science</i> , <b>2013</b> , 340, 186-90	33.3	179
531	Which magnetic storms produce relativistic electrons at geosynchronous orbit?. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 15533-15544		175
530	Multipoint analysis of a bursty bulk flow event on April 11, 1985. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 4967-4989		170

529	Simulation of dispersionless injections and drift echoes of energetic electrons associated with substorms. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 3763-3766	4.9	166
528	Characteristic plasma properties during dispersionless substorm injections at geosynchronous orbit. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 2309-2324		163
527	Source and seed populations for relativistic electrons: Their roles in radiation belt changes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7240-7254	2.6	156
526	Are north-south aligned auroral structures an ionospheric manifestation of bursty bulk flows?. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 3737-3740	4.9	156
525	Substorm electron injections: Geosynchronous observations and test particle simulations. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 9235-9248		147
524	Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 4681-4693	2.6	146
523	Multiple-spacecraft observation of a narrow transient plasma jet in the Earth's plasma sheet. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 851-854	4.9	145
522	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
521	Coronal mass ejections, magnetic clouds, and relativistic magnetospheric electron events: ISTP. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17279-17291		133
520	Development of auroral streamers in association with localized impulsive injections to the inner magnetotail. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 417-420	4.9	129
519	Substorm ion injections: Geosynchronous observations and test particle orbits in three-dimensional dynamic MHD fields. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 2325-2341		128
518	Relativistic electrons and magnetic storms: 1992-1995. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 1817-1820	4.9	128
517	Kinetic simulations of ring current evolution during the Geospace Environment Modeling challenge events. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		124
516	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> , <b>1999</b> , 104, 355-370		122
515	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
514	First results from the RAPID imaging energetic particle spectrometer on board Cluster. <i>Annales Geophysicae</i> , <b>2001</b> , 19, 1355-1366	2	120
513	On the relationship between relativistic electron flux and solar wind velocity: Paulikas and Blake revisited. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		116
512	Radiation belt electron flux dropouts: Local time, radial, and particle-energy dependence. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 21-1		116

511	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4127-4132	4.9	115
510	Recurrent geomagnetic storms and relativistic electron enhancements in the outer magnetosphere: ISTP coordinated measurements. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 14141-14148		112
509	Van Allen Probes observation of localized drift resonance between poloidal mode ultra-low frequency waves and 60 keV electrons. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4491-4497	4.9	108
508	Self-consistent modeling of magnetic fields and plasmas in the inner magnetosphere: Application to a geomagnetic storm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		107
507	An unusual enhancement of low-frequency plasmaspheric hiss in the outer plasmasphere associated with substorm-injected electrons. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 3798-3803	4.9	105
506	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> , <b>2015</b> , 120, 5465-5488	2.6	105
505	Disturbed space environment may have been related to pager satellite failure. <i>Eos</i> , <b>1998</b> , 79, 477-477	1.5	105
504	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> , <b>1998</b> , 25, 2975-2978	4.9	105
503	Observations in the vicinity of substorm onset: Implications for the substorm process. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 7937		105
502	Gradual diffusion and punctuated phase space density enhancements of highly relativistic electrons: Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1351-1358	4.9	103
501	Event-specific chorus wave and electron seed population models in DREAM3D using the Van Allen Probes. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1359-1366	4.9	102
500	Are energetic electrons in the solar wind the source of the outer radiation belt?. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 923-926	4.9	98
499	Van Allen Probes show that the inner radiation zone contains no MeV electrons: ECT/MagEIS data. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1283-1289	4.9	97
498	First energetic neutral atom images from Polar. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 1167-1170	4.9	96
497	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2754-2766	2.6	95
496	Resonant scattering of energetic electrons by unusual low-frequency hiss. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1854-1861	4.9	95
495	Energetic electrons, 50 keV to 6 MeV, at geosynchronous orbit: Their responses to solar wind variations. <i>Space Weather</i> , <b>2005</b> , 3, n/a-n/a	3.7	94
494	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

493	The relativistic electron response at geosynchronous orbit during the January 1997 magnetic storm. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17559-17570		92
492	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> , <b>1995</b> , 100, 19371		91
491	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
490	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> , <b>2005</b> , 110,		90
489	Discovery of the action of a geophysical synchrotron in the Earth's Van Allen radiation belts. <i>Nature Communications</i> , <b>2013</b> , 4,	17.4	89
488	Modeling radiation belt electron dynamics during GEM challenge intervals with the DREAM3D diffusion model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 6197-6211	2.6	89
487	Magnetospheric and auroral activity during the 18 April 2002 sawtooth event. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		88
486	The Energetic Particle Detector (EPD) Investigation and the Energetic Ion Spectrometer (EIS) for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , <b>2016</b> , 199, 471-514	7.5	87
485	Multi-satellite measurements of the substorm injection region. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 2015-2018	4.9	86
484	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
483	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
482	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
481	Observations and modeling of energetic electron dynamics during the October 2001 storm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		83
480	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 3325-3332	2.6	82
479	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , <b>2007</b> , 25, 801-814	2	82
478	The global response of relativistic radiation belt electrons to the January 1997 magnetic cloud. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 3265-3268	4.9	82
477	Radial diffusion modeling with empirical lifetimes: comparison with CRRES observations. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 1467-1471	2	79
476	Numerical tracing of energetic particle drifts in a model magnetosphere. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 13997-14008		78

475	Whistler anisotropy instabilities as the source of banded chorus: Van Allen Probes observations and particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8288-8298	2.6	77
474	Prompt energization of relativistic and highly relativistic electrons during a substorm interval: Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 20-25	4.9	76
473	Observations of coincident EMIC wave activity and duskside energetic electron precipitation on 18 January 2013. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5727-5735	4.9	76
472	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> , <b>1997</b> , 102, 11409-11428		75
471	Geotail observations of substorm onset in the inner magnetotail. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 103-117		74
470	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> , <b>2016</b> , 121, 6647-6660	2.6	73
469	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3009-3016	4.9	73
468	Unraveling the drivers of the storm time radiation belt response. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3076-3084	4.9	70
467	Storm-dependent radiation belt electron dynamics. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		67
466	A background correction algorithm for Van Allen Probes MagEIS electron flux measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5703-5727	2.6	66
465	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> , <b>2010</b> , 466, 3329-3350	2.4	66
464	An overview of the early November 1993 geomagnetic storm. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 26197-26220		66
463	Observations of magnetospheric substorms occurring with no apparent solar wind/IMF trigger. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 10773-10791		65
462	Nonlinear electric field structures in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5693-5701	4.9	64
461	Analysis of GEO spacecraft anomalies: Space weather relationships. <i>Space Weather</i> , <b>2011</b> , 9, n/a-n/a	3.7	64
460	On relative timing in substorm onset signatures. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 22807-22817		64
459	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 987-995	4.9	63
458	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> , <b>2007</b> , 112, n/a-n/a		62

457	Periodic magnetospheric substorms and their relationship with solar wind variations. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		62
456	Direct observation of radiation-belt electron acceleration from electron-volt energies to megavolts by nonlinear whistlers. <i>Physical Review Letters</i> , <b>2014</b> , 113, 035001	7.4	61
455	Electric field structures and waves at plasma boundaries in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4246-4263	2.6	61
454	Behavior of MeV electrons at geosynchronous orbit during last two solar cycles. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		61
453	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> , <b>2006</b> , 111,		60
452	The fine-scale structure of the outer plasmasphere. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 8021		59
451	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 8867-8875	4.9	58
450	Dynamic Radiation Environment Assimilation Model: DREAM. <i>Space Weather</i> , <b>2012</b> , 10, n/a-n/a	3.7	58
449	Identifying the radiation belt source region by data assimilation. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		58
448	Substorms during the 10 <sup>th</sup> August 2000 sawtooth event. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		58
447	The Fly <sup>Eye</sup> Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , <b>2016</b> , 199, 309-329	7.5	57
446	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , <b>2015</b> , 6, 10096	17.4	57
445	Comparison of geosynchronous energetic particle flux responses to solar wind dynamic pressure enhancements and substorms. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		57
444	Event study of deep energetic particle injections during substorm. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 9217-9234		57
443	Energetic particle counterparts for geomagnetic pulsations of Pc1 and IPDP types. <i>Annales Geophysicae</i> , <b>2003</b> , 21, 2281-2292	2	56
442	Two-satellite observations of substorm injections at geosynchronous orbit. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 8405-8416		56
441	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
440	The analysis of electron fluxes at geosynchronous orbit employing a NARMAX approach. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1500-1513	2.6	55

439	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers at L = 2. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 633-636	4.9	55
438	The storm-substorm relationship: Ion injections in geosynchronous measurements and composite energetic neutral atom images. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 5833-5844		55
437	Periodic magnetospheric substorms: Multiple space-based and ground-based instrumental observations. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		54
436	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. <i>Nature Physics</i> , <b>2019</b> , 15, 367-372	16.2	53
435	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1938-1952	2.6	53
434	Energetic particle injections in the inner magnetosphere as a response to an interplanetary shock. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2003</b> , 65, 233-244	2	53
433	High-resolution in situ observations of electron precipitation-causing EMIC waves. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9633-9641	4.9	52
432	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5520-5536	2.6	52
431	Combined convective and diffusive simulations: VERB-4D comparison with 17 March 2013 Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9600-9608	4.9	51
430	Differences in geomagnetic storms driven by magnetic clouds and ICME sheath regions. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	51
429	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4101-4108	4.9	50
428	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> , <b>2015</b> , 120, 7493-7511	2.6	50
427	Global energetic neutral atom (ENA) measurements and their association with the Dst index. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 3173-3176	4.9	50
426	Substorm injection of relativistic electrons to geosynchronous orbit during the great magnetic storm of March 24, 1991. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 25759-25776		50
425	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
424	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 229-235	4.9	49
423	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
422	Two substorm intensifications compared: Onset, expansion, and global consequences. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 15-27		49



4 <sup>21</sup>	Information theoretical approach to discovering solar wind drivers of the outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9378-9399	2.6	49
4 <sup>20</sup>	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
4 <sup>19</sup>	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
4 <sup>18</sup>	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> , <b>2015</b> , 120, 3574-3587	2.6	47
4 <sup>17</sup>	Variations of low-latitude geomagnetic fields and Dst index caused by magnetospheric substorms. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		47
4 <sup>16</sup>	Energetic electron injections into the inner magnetosphere during the Jan. 10 <sup>11</sup> , 1997 magnetic storm. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 2561-2564	4.9	47
4 <sup>15</sup>	An observational test of the Tsyganenko (T89a) model of the magnetospheric field. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 24827-24836		47
4 <sup>14</sup>	Solar wind and magnetospheric conditions leading to the abrupt loss of outer radiation belt electrons. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		46
4 <sup>13</sup>	IMAGE, POLAR, and Geosynchronous Observations of Substorm and Ring Current Ion Injection. <i>Geophysical Monograph Series</i> , <b>2003</b> , 91-101	1.1	46
4 <sup>12</sup>	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> , <b>2007</b> , 112, n/a-n/a		45
4 <sup>11</sup>	Auroral poleward boundary intensifications and tail bursty flows: A manifestation of a large-scale ULF oscillation?. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 9-1		45
4 <sup>10</sup>	A comparison of midlatitude Pi 2 pulsations and geostationary orbit particle injections as substorm indicators. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 4085		45
4 <sup>09</sup>	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerang-shaped pitch angle evolutions. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7618-7627	4.9	44
4 <sup>08</sup>	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5702-5709	4.9	44
4 <sup>07</sup>	Auroral disturbances during the January 10, 1997 magnetic storm. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 3237-3240	4.9	44
4 <sup>06</sup>	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6620-6631	2.6	44
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4 <sup>04</sup>	Nonstorm time dropout of radiation belt electron fluxes on 24 September 2013. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6400-6416	2.6	43

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