Geoff D Reeves

List of Publications by Year in Descending Order

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	Normal- and Reversed-Boomerang Stripes on Electron Pitch Angle Distributions: Solar Wind Dynamic Pressure Effect. *Geophysical Research Letters*, **2022**, 49,	4.9	1
545	Science Goals and Mission Architecture of the Europa Lander Mission Concept. *Planetary Science Journal*, **2022**, 3, 22	2.9	1
544	Auroral Beads in Conjunction With Kinetic Alfvn Waves in the Equatorial Inner-Magnetosphere. *Geophysical Research Letters*, **2022**, 49,	4.9	0
543	Relativistic Electron Model in the Outer Radiation Belt Using a Neural Network Approach. *Space Weather*, **2021**, 19, e2021SW002808	3.7	4
542	Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A, and Ground Stations. *Geophysical Research Letters*, **2021**, 48, e2021GL096488	4.9	2
541	Driving Parameters for Multi-MeV Electrons Flux Variations in Outer Radiation Belt. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029625	2.6	0
540	The Magnetic Electron Ion Spectrometer: A Review of On-Orbit Sensor Performance, Data, Operations, and Science. *Space Science Reviews*, **2021**, 217, 80	7.5	3
539	Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-Storm-Time Substorms. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029081	2.6	1
538	RBSP-ECT Combined Pitch Angle Resolved Electron Flux Data Product. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028637	2.6	2
537	Observations of Density Cavities and Associated Warm Ion Flux Enhancements in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028326	2.6	0
536	Radiation Belt Response to Fast Reverse Shock at Geosynchronous Orbit. *Astrophysical Journal*, **2021**, 910, 154	4.7	0
535	Van Allen Probe Observations of Disappearance, Recovery and Patchiness of Plasmaspheric Hiss Following Two Consecutive Interplanetary Shocks: First Results. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028873	2.6	1
534	Evidence of Alfvenic Poynting Flux as the Primary Driver of Auroral Motion During a Geomagnetic Substorm. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029019	2.6	4
533	Sustained Oxygen Spectral Gaps and Their Dynamic Evolution in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029092	2.6	2
532	Magnetospheric Multiscale Observations of the Source Region of Energetic Electron Microinjections Along the Duskside, High-Latitude Magnetopause Boundary Layer. *Geophysical Research Letters*, **2021**, 48, e2021GL092466	4.9	2
531	The effects of the location and the timing of local convection electric field enhancements in the formation of ion multiple-nose structures. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2021**, 216, 105534	2	1
530	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All-Sky Camera and Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029078	2.6	3

529	Origin of Electron Boomerang Stripes: Statistical Study. *Geophysical Research Letters*, **2021**, 48, e2021GL093377	4.9	1
528	Scattering by whistler-mode waves during a quiet period perturbed by substorm activity. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2021**, 215, 105471	2	3
527	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028484	2.6	2
526	Investigation of Small-Scale Electron Density Irregularities Observed by the Arase and Van Allen Probes Satellites Inside and Outside the Plasmasphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA027917	2.6	1
525	Global Survey of Electron Precipitation due to Hiss Waves in the Earth's Plasmasphere and Plumes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029644	2.6	6
524	Characteristics of Electron Precipitation During 40 Energetic Electron Injections Inferred via Subionospheric VLF Signal Propagation. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027233	2.6	3
523	Medium Energy Electron Flux in Earth's Outer Radiation Belt (MERLIN): A Machine Learning Model. *Space Weather*, **2020**, 18, e2020SW002532	3.7	11
522	Simultaneous Observations of Localized and Global Drift Resonance. *Geophysical Research Letters*, **2020**, 47, e2020GL088019	4.9	5
521	The Beam Plasma Interactions Experiment: An Active Experiment Using Pulsed Electron Beams. *Frontiers in Astronomy and Space Sciences*, **2020**, 7,	3.8	4
520	Simultaneous Observations of Electromagnetic Ion Cyclotron (EMIC) Waves and Pitch Angle Scattering During a Van Allen Probes Conjunction. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027424	2.6	2
519	Filamentary Currents and Alfvenic Vortices in the Inner Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2019GL086318	4.9	4
518	Determining Plasmaspheric Density From the Upper Hybrid Resonance and From the Spacecraft Potential: How Do They Compare?. *Journal of Geophysical Research: Space Physics*, **2020**, 125, no	2.6	6
517	Episodic Occurrence of Field-Aligned Energetic Ions on the Dayside. *Geophysical Research Letters*, **2020**, 47, e2019GL086384	4.9	4
516	Response to Comment on Radiation-Belt Remediation Using Space-Based Antennas and Electron Beams by G. Ganguli and C. Crabtree. *IEEE Transactions on Plasma Science*, **2020**, 48, 604-607	1.3	1
515	The Role of the Dynamic Plasmapause in Outer Radiation Belt Electron Flux Enhancement. *Geophysical Research Letters*, **2020**, 47, e2020GL086991	4.9	0
514	Global ENA Imaging and In Situ Observations of Substorm Dipolarization on 10 August 2016. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027733	2.6	1
513	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. *Earth, Planets and Space*, **2020**, 72, 111	2.9	6
512	Pitch Angle Dependence of Electron and Ion Flux Changes During Local Magnetic Dipolarization Inside Geosynchronous Orbit. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027543	2.6	3

511	How whistler mode hiss waves and the plasmasphere drive the quiet decay of radiation belts electrons following a geomagnetic storm. *Journal of Physics: Conference Series*, **2020**, 1623, 012005	0.3	2
510	Association Between EMIC Wave Occurrence and Enhanced Convection Periods During Ion Injections. *Geophysical Research Letters*, **2020**, 47, e2019GL085676	4.9	7
509	Very-Low-Frequency transmitters bifurcate energetic electron belt in near-earth space. *Nature Communications*, **2020**, 11, 4847	17.4	14
508	Origin of Electron Boomerang Stripes: Localized ULF Wave-Particle Interactions. *Geophysical Research Letters*, **2020**, 47, e2020GL087960	4.9	5
507	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088798	4.9	13
506	The Modulation of Plasma and Waves by Background Electron Density Irregularities in the Inner Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088855	4.9	12
505	A Short-lived Three-Belt Structure for sub-MeV Electrons in the Van Allen Belts: Time Scale and Energy Dependence. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028031	2.6	2
504	Why Are There so Few Reports of High-Energy Electron Drift Resonances? Role of Radial Phase Space Density Gradients. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027924	2.6	3
503	Defining Radiation Belt Enhancement Events Based on Probability Distributions. *Space Weather*, **2020**, 18, e2020SW002528	3.7	1
502	Dynamic Properties of Particle Injections Inside Geosynchronous Orbit: A Multisatellite Case Study. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028215	2.6	1
501	Correlations Between Dispersive Alfvn Wave Activity, Electron Energization, and Ion Outflow in the Inner Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088985	4.9	5
500	RBSP-ECT Combined Spin-Averaged Electron Flux Data Product. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9124-9136	2.6	12
499	Temperature Dependence of Plasmaspheric Ion Composition. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6585-6595	2.6	10
498	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. *Nature Physics*, **2019**, 15, 367-372	16.2	53
497	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1035-1051	2.6	26
496	The Relationship Between EMIC Wave Properties and Proton Distributions Based on Van Allen Probes Observations. *Geophysical Research Letters*, **2019**, 46, 4070-4078	4.9	23
495	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. *Geophysical Research Letters*, **2019**, 46, 6258-6267	4.9	24
494	Characterization and Evolution of Radiation Belt Electron Energy Spectra Based on the Van Allen Probes Measurements. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4217-4232	2.6	18

493	A Revised Look at Relativistic Electrons in the Earth's Inner Radiation Zone and Slot Region. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 934-951	2.6	24
492	Signatures of substorm related overshielding electric field at equatorial latitudes under steady southward IMF Bz during main phase of magnetic storm. *Advances in Space Research*, **2019**, 64, 1975-1988	2.4	3
491	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. *Geophysical Research Letters*, **2019**, 46, 3615-3624	4.9	20
490	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2466-2483	2.6	31
489	Global-Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1525-1538	2.6	32
488	Radiation-Belt Remediation Using Space-Based Antennas and Electron Beams. *IEEE Transactions on Plasma Science*, **2019**, 47, 2045-2063	1.3	15
487	Transport and Loss of Ring Current Electrons Inside Geosynchronous Orbit During the 17 March 2013 Storm. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 915-933	2.6	7
486	Predicting Lower Band Chorus With Autoregressive-Moving Average Transfer Function (ARMAX) Models. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5692-5708	2.6	1
485	The Storm Time Development of Source Electrons and Chorus Wave Activity During CME- and CIR-Driven Storms. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6438-6452	2.6	9
484	Drift-Dispersed Flux Dropouts of Energetic Electrons Observed in Earth's Middle Magnetosphere by the Magnetospheric Multiscale (MMS) Mission. *Geophysical Research Letters*, **2019**, 46, 3069-3078	4.9	5
483	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5584-5609	2.6	22
482	Dispersive Alfvē Wave Control of O+ Ion Outflow and Energy Densities in the Inner Magnetosphere. *Geophysical Research Letters*, **2019**, 46, 8597-8606	4.9	11
481	Continent-Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarization-Injection Fronts. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4064-4082	2.6	5
480	The Storm-Time Ring Current Response to ICMEs and CIRs Using Van Allen Probe Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9017-9039	2.6	9
479	Oxygen Ion Dynamics in the Earth's Ring Current: Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7786-7798	2.6	19
478	Substorm-Ring Current Coupling: A Comparison of Isolated and Compound Substorms. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6776-6791	2.6	5
477	Comparison of Electron Loss Models in the Inner Magnetosphere During the 2013 St. Patrick's Day Geomagnetic Storm. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7872-7888	2.6	2
476	PreMevE: New Predictive Model for Megaelectron-Volt Electrons Inside Earth's Outer Radiation Belt. *Space Weather*, **2019**, 17, 438-454	3.7	14

475	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. *Geophysical Research Letters*, **2019**, 46, 12665-12674	4.9	21
474	Comparison of Multiple and Logistic Regression Analyses of Relativistic Electron Flux Enhancement at Geosynchronous Orbit Following Storms. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 10246-10256	2.6	1
473	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. *Geophysical Research Letters*, **2019**, 46, 12675-12684	4.9	10
472	Eastward Propagating Second Harmonic Poloidal Waves Triggered by Temporary Outward Gradient of Proton Phase Space Density: Van Allen Probe A Observation. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9904-9923	2.6	10
471	The Response of Earth's Electron Radiation Belts to Geomagnetic Storms: Statistics From the Van Allen Probes Era Including Effects From Different Storm Drivers. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1013-1034	2.6	48
470	Observations and Fokker-Planck Simulations of the L-Shell, Energy, and Pitch Angle Structure of Earth's Electron Radiation Belts During Quiet Times. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1125-1142	2.6	21
469	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1938-1952	2.6	53
468	Temporal Evolution of Ion Spectral Structures During a Geomagnetic Storm: Observations and Modeling. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 179-196	2.6	11
467	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. *Geophysical Research Letters*, **2018**, 45, 2168-2176	4.9	19
466	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. *Geophysical Research Letters*, **2018**, 45, 3783-3792	4.9	36
465	Radiation Belt Dropouts and Drift-Bounce Resonances in Broadband Electromagnetic Waves. *Geophysical Research Letters*, **2018**, 45, 2128-2137	4.9	10
464	Comparing simulated and observed EMIC wave amplitudes using in situ Van Allen Probes measurements. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2018**, 177, 190-201	2	9
463	The Composition of Plasma inside Geostationary Orbit Based on Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6478-6493	2.6	31
462	The Ionospheric Impact of an ICME-Driven Sheath Region Over Indian and American Sectors in the Absence of a Typical Geomagnetic Storm. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4298-4308	2.6	3
461	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. *Geophysical Research Letters*, **2018**, 45, 6755-6765	4.9	20
460	Ion Injection Triggered EMIC Waves in the Earth's Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4921-4938	2.6	23
459	Nonlinear and Synergistic Effects of ULF Pc5, VLF Chorus, and EMIC Waves on Relativistic Electron Flux at Geosynchronous Orbit. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4755-4766	2.6	14
458	Untangling the Solar Wind Drivers of the Radiation Belt: An Information Theoretical Approach **2018**, 149-175		2

457	Artificial Neural Networks for Determining Magnetospheric Conditions **2018**, 279-300		10
456	Rapid Enhancements of the Seed Populations in the Heart of the Earth's Outer Radiation Belt: A Multicase Study. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4895-4907	2.6	4
455	Exohiss wave enhancement following substorm electron injection in the dayside magnetosphere. *Earth and Planetary Physics*, **2018**, 2, 1-12	1.6	4
454	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons **2018**,		1
453	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. *Annales Geophysicae*, **2018**, 36, 781-791	2	6
452	Multiscale Currents Observed by MMS in the Flow Braking Region. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1260-1278	2.6	27
451	Generation Process of Large-Amplitude Upper-Band Chorus Emissions Observed by Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3704-3713	2.6	5
450	Energization of the Ring Current by Substorms. *Journal of Geophysical Research: Space Physics*, **2018** , 123, 8131-8148	2.6	13
449	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8331-8357	2.6	19
448	Diagnosis of ULF Wave-Particle Interactions With Megaelectron Volt Electrons: The Importance of Ultrahigh-Resolution Energy Channels. *Geophysical Research Letters*, **2018**, 45, 10,883	4.9	8
447	Pitch Angle Scattering and Loss of Radiation Belt Electrons in Broadband Electromagnetic Waves. *Geophysical Research Letters*, **2018**, 45, 9344-9352	4.9	9
446	A Distributed Lag Autoregressive Model of Geostationary Relativistic Electron Fluxes: Comparing the Influences of Waves, Seed and Source Electrons, and Solar Wind Inputs. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3646-3671	2.6	13
445	What Causes Radiation Belt Enhancements: A Survey of the Van Allen Probes Era. *Geophysical Research Letters*, **2018**, 45, 5253-5259	4.9	48
444	Observation of Oblique Lower Band Chorus Generated by Nonlinear Three-Wave Interaction. *Geophysical Research Letters*, **2018**, 45, 6343-6352	4.9	6
443	An Empirical Model of Radiation Belt Electron Pitch Angle Distributions Based On Van Allen Probes Measurements. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3493-3511	2.6	21
442	Transitional behavior of different energy protons based on Van Allen Probes observations. *Geophysical Research Letters*, **2017**, 44, 625-633	4.9	14
441	On the origin of low-energy electrons in the inner magnetosphere: Fluxes and pitch-angle distributions. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1789-1802	2.6	12
440	Energetic Particle Data From the Global Positioning System Constellation. *Space Weather*, **2017**, 15, 283-289	3.7	26

439	Generation of extremely low frequency chorus in Van Allen radiation belts. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3201-3211	2.6	15
438	Role of IMF By in the prompt electric field disturbances over equatorial ionosphere during a space weather event. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 2574-2588	2.6	15
437	Location of intense electromagnetic ion cyclotron (EMIC) wave events relative to the plasmapause: Van Allen Probes observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4064-4088	2.6	37
436	A positive correlation between energetic electron butterfly distributions and magnetosonic waves in the radiation belt slot region. *Geophysical Research Letters*, **2017**, 44, 3980-3990	4.9	20
435	Simultaneous disappearances of plasmaspheric hiss, exohiss, and chorus waves triggered by a sudden decrease in solar wind dynamic pressure. *Geophysical Research Letters*, **2017**, 44, 52-61	4.9	27
434	Radiation belt seed population and its association with the relativistic electron dynamics: A statistical study. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5261-5276	2.6	7
433	Electron-acoustic solitons and double layers in the inner magnetosphere. *Geophysical Research Letters*, **2017**, 44, 4575-4583	4.9	43
432	Roles of whistler mode waves and magnetosonic waves in changing the outer radiation belt and the slot region. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5431-5448	2.6	33
431	Contribution of storm time substorms to the prompt electric field disturbances in the equatorial ionosphere. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5568-5578	2.6	12
430	Effects of whistler mode hiss waves in March 2013. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7433-7462	2.6	36
429	A multispacecraft event study of Pc5 ultralow-frequency waves in the magnetosphere and their external drivers. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5132-5147	2.6	15
428	The hidden dynamics of relativistic electrons (0.7–1.5 MeV) in the inner zone and slot region. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3127-3144	2.6	33
427	Cross-scale observations of the 2015 St. Patrick's day storm: THEMIS, Van Allen Probes, and TWINS. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 368-392	2.6	19
426	Investigating the source of near-relativistic and relativistic electrons in Earth's inner radiation belt. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 695-710	2.6	40
425	Relativistic Electron Increase During Chorus Wave Activities on the 6–8 March 2016 Geomagnetic Storm. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,302-11,319	2.6	4
424	Multipoint Observations of Energetic Particle Injections and Substorm Activity During a Conjunction Between Magnetospheric Multiscale (MMS) and Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,481-11,504	2.6	23
423	The Evolution of the Plasma Sheet Ion Composition: Storms and Recoveries. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,040-12,054	2.6	10
422	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,235	2.6	11

421	Shock-Induced Disappearance and Subsequent Recovery of Plasmaspheric Hiss: Coordinated Observations of RBSP, THEMIS, and POES Satellites. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,421-10,435	2.6	16
420	Systematic Evaluation of Low-Frequency Hiss and Energetic Electron Injections. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,263-10,274	2.6	22
419	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerang-shaped pitch angle evolutions. *Geophysical Research Letters*, **2017**, 44, 7618-7627	4.9	44
418	Multiple-Satellite Observation of Magnetic Dip Event During the Substorm on 10 October 2013. *Geophysical Research Letters*, **2017**, 44, 9167-9175	4.9	17
417	The Warm Plasma Composition in the Inner Magnetosphere During 20122015. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,018-11,043	2.6	13
416	The Characteristic Pitch Angle Distributions of 1´eV to 600´keV Protons Near the Equator Based On Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9464-9473	2.6	21
415	Roles of hot electrons in generating upper-hybrid waves in the earth's radiation belt. *Physics of Plasmas*, **2017**, 24, 062904	2.1	9
414	Radial transport of radiation belt electrons in kinetic field-line resonances. *Geophysical Research Letters*, **2017**, 44, 8140-8148	4.9	13
413	Structure/property relationships in branched oligogermanes. Preparation of (Me3Ge)3GePh, (Me2ButGe)3GePh, and (Me2PhGe)3GePh and investigation of their properties by spectroscopic, spectrometric and electrochemical methods. *Journal of Organometallic Chemistry*, **2017**, 848, 104-113	2.3	6
412	The effects of magnetospheric processes on relativistic electron dynamics in the Earth's outer radiation belt. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9952-9968	2.6	8
411	Statistical analysis of MMS observations of energetic electron escape observed at/beyond the dayside magnetopause. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9440-9463	2.6	11
410	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. *Geophysical Research Letters*, **2017**, 44, 12,057	4.9	13
409	Generation of Highly Oblique Lower Band Chorus Via Nonlinear Three-Wave Resonance. *Geophysical Research Letters*, **2017**, 44, 9532-9538	4.9	19
408	Van Allen Probes Measurements of Energetic Particle Deep Penetration Into the Low L Region (L´. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,140-12,152	2.6	16
407	Dependence of radiation belt simulations to assumed radial diffusion rates tested for two empirical models of radial transport. *Space Weather*, **2017**, 15, 150-162	3.7	24
406	Generation of lower and upper bands of electrostatic electron cyclotron harmonic waves in the Van Allen radiation belts. *Geophysical Research Letters*, **2017**, 44, 5251-5258	4.9	11
405	The plasma environment inside geostationary orbit: A Van Allen Probes HOPE survey. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9207-9227	2.6	24
404	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,047	2.6	21

403	Rapid Loss of Radiation Belt Relativistic Electrons by EMIC Waves. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9880-9897	2.6	29
402	The Fly Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission **2017**, 307-327		
401	The Fly Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission. *Space Science Reviews*, **2016**, 199, 309-329	7.5	57
400	Rapid enhancement of low-energy (. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6430-6443	2.6	20
399	Highly relativistic radiation belt electron acceleration, transport, and loss: Large solar storm events of March and June 2015. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6647-6660	2.6	73
398	Prompt acceleration of magnetospheric electrons to ultrarelativistic energies by the 17 March 2015 interplanetary shock. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7622-7635	2.6	49
397	Van Allen Probes observations of magnetic field dipolarization and its associated O+ flux variations in the inner magnetosphere at L . *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7572-7589	2.6	22
396	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 8300-8316	2.6	14
395	Van Allen Probes, THEMIS, GOES, and Cluster observations of EMIC waves, ULF pulsations, and an electron flux dropout. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 1990-2008	2.6	9
394	O+ ion conic and plasma sheet dynamics observed by Van Allen Probe satellites during the 1 June 2013 magnetic storm. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4072-4091	2.6	5
393	Driving ionospheric outflows and magnetospheric O+ energy density with Alfv waves. *Geophysical Research Letters*, **2016**, 43, 4825-4833	4.9	23
392	Energy limits of electron acceleration in the plasma sheet during substorms: A case study with the Magnetospheric Multiscale (MMS) mission. *Geophysical Research Letters*, **2016**, 43, 7785-7794	4.9	33
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