

H E Spence

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.

420
papers

14,921
citations

63
h-index

101
g-index

444
ext. papers

17,046
ext. citations

4
avg, IF

6.15
L-index

#	Paper	IF	Citations
420	Simultaneous Observations of EMIC-Induced Drifting Electron Holes (EDEHs) in the Earth's Radiation Belt by the Arase Satellite, Van Allen Probes, and THEMIS. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
419	Relativistic Electron Model in the Outer Radiation Belt Using a Neural Network Approach. <i>Space Weather</i> , 2021 , 19, e2021SW002808	3.7	4
418	Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A, and Ground Stations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL096488	4.9	2
417	A Tale of Two Radiation Belts: The Energy-Dependence of Self-Limiting Electron Space Radiation. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095779	4.9	1
416	On the Similarity and Repeatability of Fast Radiation Belt Loss: Role of the Last Closed Drift Shell. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029957	2.6	1
415	The Energy Spectra of Electron Microbursts Between 200 keV and 1 MeV. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029709	2.6	1
414	The Magnetic Electron Ion Spectrometer: A Review of On-Orbit Sensor Performance, Data, Operations, and Science. <i>Space Science Reviews</i> , 2021 , 217, 80	7.5	3
413	Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-Storm-Time Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029081	2.6	1
412	RBSP-ECT Combined Pitch Angle Resolved Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028637	2.6	2
411	Estimating the Impacts of Radiation Belt Electrons on Atmospheric Chemistry Using FIREBIRD II and Van Allen Probes Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033098	4.4	6
410	Energetic Electron Precipitation Observed by FIREBIRD-II Potentially Driven by EMIC Waves: Location, Extent, and Energy Range From a Multievent Analysis. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091564	4.9	7
409	Sustained Oxygen Spectral Gaps and Their Dynamic Evolution in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029092	2.6	2
408	The effects of the location and the timing of local convection electric field enhancements in the formation of ion multiple-nose structures. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021 , 216, 105534	2	1
407	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All-Sky Camera and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029078	2.6	3
406	A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029294	2.6	
405	The Relativistic Electron-Proton Telescope (REPT) Investigation: Design, Operational Properties, and Science Highlights. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	4
404	Observations of Particle Loss due to Injection-Associated Electromagnetic Ion Cyclotron Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028503	2.6	3

403	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028484	2.6	2
402	Global Survey of Electron Precipitation due to Hiss Waves in the Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029644	2.6	6
401	Simultaneous Pulsating Aurora and Microburst Observations With Ground-Based Fast Auroral Imagers and CubeSat FIREBIRD-II. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094494	4.9	2
400	Composition variations of major lunar elements: Possible impacts on lunar albedo spectra. <i>Icarus</i> , 2021 , 369, 114629	3.8	0
399	Long-Term Observations of Galactic Cosmic Ray LET Spectra in Lunar Orbit by LRO/CRaTER. <i>Space Weather</i> , 2020 , 18, e2020SW002543	3.7	2
398	The AEPEX mission: Imaging energetic particle precipitation in the atmosphere through its bremsstrahlung X-ray signatures. <i>Advances in Space Research</i> , 2020 , 66, 66-82	2.4	6
397	CraTER observations and permissible mission duration for human operations in deep space. <i>Life Sciences in Space Research</i> , 2020 , 26, 149-162	2.4	3
396	Absorbed doses from GCR and albedo particles emitted by the lunar surface. <i>Acta Astronautica</i> , 2020 , 175, 185-189	2.9	2
395	Radial Response of Outer Radiation Belt Relativistic Electrons During Enhancement Events at Geostationary Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027660	2.6	1
394	Comparison of Long-Term Lightning Activity and Inner Radiation Belt Electron Flux Perturbations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027763	2.6	0
393	Rapid Outer Radiation Belt Flux Dropouts and Fast Acceleration During the March 2015 and 2013 Storms: The Role of Ultra-Low Frequency Wave Transport From a Dynamic Outer Boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027179	2.6	15
392	Determining Plasmaspheric Density From the Upper Hybrid Resonance and From the Spacecraft Potential: How Do They Compare?. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, no	2.6	6
391	Episodic Occurrence of Field-Aligned Energetic Ions on the Dayside. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086384	4.9	4
390	The Role of the Dynamic Plasmopause in Outer Radiation Belt Electron Flux Enhancement. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL086991	4.9	0
389	Global ENA Imaging and In Situ Observations of Substorm Dipolarization on 10 August 2016. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027733	2.6	1
388	The FIREBIRD-II CubeSat mission: Focused investigations of relativistic electron burst intensity, range, and dynamics. <i>Review of Scientific Instruments</i> , 2020 , 91, 034503	1.7	12
387	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. <i>Earth, Planets and Space</i> , 2020 , 72, 111	2.9	6
386	Multipoint observations of compressional Pc5 pulsations in the dayside magnetosphere and corresponding particle signatures. <i>Annales Geophysicae</i> , 2020 , 38, 1267-1281	2	1

385	Pitch Angle Dependence of Electron and Ion Flux Changes During Local Magnetic Dipolarization Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027543 ^{2.6}	3
384	Precise Detections of Solar Particle Events and a New View of the Moon. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085522	4.9 1
383	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088798	4.9 13
382	Simultaneously Formed Wedge-Like Structures of Different Ion Species Deep in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028192	2.6 4
381	The Modulation of Plasma and Waves by Background Electron Density Irregularities in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088855	4.9 12
380	A Short-lived Three-Belt Structure for sub-MeV Electrons in the Van Allen Belts: Time Scale and Energy Dependence. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028031	2.6 2
379	Galactic Cosmic Radiation in the Interplanetary Space Through a Modern Secular Minimum. <i>Space Weather</i> , 2020 , 18, e2019SW002428	3.7 3
378	Efficacy of Electric Field Models in Reproducing Observed Ring Current Ion Spectra During Two Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8974-8991	2.6 2
377	RBSP-ECT Combined Spin-Averaged Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9124-9136	2.6 12
376	Temperature Dependence of Plasmaspheric Ion Composition. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6585-6595	2.6 10
375	The March 2015 Superstorm Revisited: Phase Space Density Profiles and Fast ULF Wave Diffusive Transport. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1143-1156	2.6 11
374	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1035-1051	2.6 26
373	A Statistical Study of EMIC Waves Associated With and Without Energetic Particle Injection From the Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 433-450	2.6 26
372	The Relationship Between EMIC Wave Properties and Proton Distributions Based on Van Allen Probes Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 4070-4078	4.9 23
371	Update on Galactic Cosmic Ray Integral Flux Measurements in Lunar Orbit With CRaTER. <i>Space Weather</i> , 2019 , 17, 1011	3.7 6
370	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 6258-6267	4.9 24
369	A Revised Look at Relativistic Electrons in the Earth's Inner Radiation Zone and Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 934-951	2.6 24
368	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	2.6 31

367	Global-Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1525-1538	2.6	32
366	Comparisons of High-Energy Transfer Spectra on the ISS and in Deep Space. <i>Space Weather</i> , 2019 , 17, 396-418	3.7	6
365	Generation of EMIC Waves and Effects on Particle Precipitation During a Solar Wind Pressure Intensification With $B_z > 0$. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4492-4508	2.6	11
364	The Storm Time Development of Source Electrons and Chorus Wave Activity During CME- and CIR-Driven Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6438-6452	2.6	9
363	Drift-Dispersed Flux Dropouts of Energetic Electrons Observed in Earth's Middle Magnetosphere by the Magnetospheric Multiscale (MMS) Mission. <i>Geophysical Research Letters</i> , 2019 , 46, 3069-3078	4.9	5
362	Cold Plasmaspheric Electrons Affected by ULF Waves in the Inner Magnetosphere: A Van Allen Probes Statistical Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7954-7965	2.6	10
361	The Storm-Time Ring Current Response to ICMEs and CIRs Using Van Allen Probe Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9017-9039	2.6	9
360	Origin of two-band chorus in the radiation belt of Earth. <i>Nature Communications</i> , 2019 , 10, 4672	17.4	29
359	Oxygen Ion Dynamics in the Earth's Ring Current: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7786-7798	2.6	19
358	Direct Observation of Subrelativistic Electron Precipitation Potentially Driven by EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12711-12721	4.9	14
357	Effects of a Realistic O ⁺ Source on Modeling the Ring Current. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9953-9962	2.6	2
356	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12675-12684	4.9	10
355	Eastward Propagating Second Harmonic Poloidal Waves Triggered by Temporary Outward Gradient of Proton Phase Space Density: Van Allen Probe A Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9904-9923	2.6	10
354	How dielectric breakdown may contribute to the global weathering of regolith on the moon. <i>Icarus</i> , 2019 , 319, 785-794	3.8	6
353	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 405-419	2.6	18
352	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	2.6	48
351	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	2.6	53
350	Temporal Evolution of Ion Spectral Structures During a Geomagnetic Storm: Observations and Modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 179-196	2.6	11

349	Update on the Worsening Particle Radiation Environment Observed by CRaTER and Implications for Future Human Deep-Space Exploration. <i>Space Weather</i> , 2018 , 16, 289-303	3.7	34
348	Opening a Window on ICME-driven GCR Modulation in the Inner Solar System. <i>Astrophysical Journal</i> , 2018 , 856, 139	4.7	21
347	The possible contribution of dielectric breakdown to space weathering on Phobos. <i>Advances in Space Research</i> , 2018 , 62, 2187-2198	2.4	1
346	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. <i>Geophysical Research Letters</i> , 2018 , 45, 3783-3792	4.9	36
345	Reply to 'The dynamics of Van Allen belts revisited'. <i>Nature Physics</i> , 2018 , 14, 103-104	16.2	13
344	Comparing simulated and observed EMIC wave amplitudes using in situ Van Allen Probes measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 177, 190-201	2	9
343	Using proton radiation from the moon to search for diurnal variation of regolith hydrogenation. <i>Planetary and Space Science</i> , 2018 , 162, 113-132	2	5
342	Plasma Anisotropies and Currents in the Near-Earth Plasma Sheet and Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5625-5639	2.6	9
341	The Composition of Plasma inside Geostationary Orbit Based on Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6478-6493	2.6	31
340	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. <i>Geophysical Research Letters</i> , 2018 , 45, 6755-6765	4.9	20
339	Explaining the apparent impenetrable barrier to ultra-relativistic electrons in the outer Van Allen belt. <i>Nature Communications</i> , 2018 , 9, 1844	17.4	26
338	A Comparative Study of ULF Waves' Role in the Dynamics of Charged Particles in the Plasmasphere: Van Allen Probes Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5334-5343	2.6	17
337	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5420-5434	2.6	11
336	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> , 2018 , 123, 5364-5378	2.6	6
335	Artificial Neural Networks for Determining Magnetospheric Conditions 2018 , 279-300		10
334	Rapid Enhancements of the Seed Populations in the Heart of the Earth's Outer Radiation Belt: A Multicase Study. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4895-4907	2.6	4
333	Exohiss wave enhancement following substorm electron injection in the dayside magnetosphere. <i>Earth and Planetary Physics</i> , 2018 , 2, 1-12	1.6	4
332	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons 2018 ,		1

331	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. <i>Annales Geophysicae</i> , 2018 , 36, 781-791	2	6
330	Multisatellite observations of the magnetosphere response to changes in the solar wind and interplanetary magnetic field. <i>Annales Geophysicae</i> , 2018 , 36, 1319-1333	2	5
329	The Outer Radiation Belt Response to the Storm Time Development of Seed Electrons and Chorus Wave Activity During CME and CIR Driven Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 10,139	2.6	19
328	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6394-6423	2.6	16
327	Energization of the Ring Current by Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8131-8148	2.6	13
326	Microburst Scale Size Derived From Multiple Bounces of a Microburst Simultaneously Observed With the FIREBIRD-II CubeSats. <i>Geophysical Research Letters</i> , 2018 , 45, 8811-8818	4.9	18
325	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	59
324	Characteristics, Occurrence, and Decay Rates of Remnant Belts Associated With Three-Belt Events in the Earth's Radiation Belts. <i>Geophysical Research Letters</i> , 2018 , 45, 12,099-12,107	4.9	7
323	Magnetospheric Source Region of Auroral Finger-like Structures Observed by the RBSP-A Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7513-7522	2.6	4
322	What Causes Radiation Belt Enhancements: A Survey of the Van Allen Probes Era. <i>Geophysical Research Letters</i> , 2018 , 45, 5253-5259	4.9	48
321	An Empirical Model of Radiation Belt Electron Pitch Angle Distributions Based On Van Allen Probes Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3493-3511	2.6	21
320	Transitional behavior of different energy protons based on Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2017 , 44, 625-633	4.9	14
319	The role of convection in the buildup of the ring current pressure during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 475-492	2.6	22
318	On the relation between radiation belt electrons and solar wind parameters/geomagnetic indices: Dependence on the first adiabatic invariant and L*. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1624-1642	2.6	30
317	Generation of extremely low frequency chorus in Van Allen radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3201-3211	2.6	15
316	A positive correlation between energetic electron butterfly distributions and magnetosonic waves in the radiation belt slot region. <i>Geophysical Research Letters</i> , 2017 , 44, 3980-3990	4.9	20
315	Simultaneous disappearances of plasmaspheric hiss, exohiss, and chorus waves triggered by a sudden decrease in solar wind dynamic pressure. <i>Geophysical Research Letters</i> , 2017 , 44, 52-61	4.9	27
314	Radiation belt seed population and its association with the relativistic electron dynamics: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5261-5276	2.6	7

313	Spatial scale and duration of one microburst region on 13 August 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5949-5964	2.6	17
312	Roles of whistler mode waves and magnetosonic waves in changing the outer radiation belt and the slot region. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5431-5448	2.6	33
311	Ion Bernstein instability as a possible source for oxygen ion cyclotron harmonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5449-5465	2.6	12
310	A multispacecraft event study of Pc5 ultralow-frequency waves in the magnetosphere and their external drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5132-5147	2.6	15
309	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> , 2017 , 122, 3127-3144	2.6	33
308	Cross-scale observations of the 2015 St. Patrick's day storm: THEMIS, Van Allen Probes, and TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 368-392	2.6	19
307	Relativistic Electron Increase During Chorus Wave Activities on the 6 th March 2016 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,302-11,319	2.6	4
306	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> , 2017 , 122, 11,481-11,504	2.6	23
305	The Evolution of the Plasma Sheet Ion Composition: Storms and Recoveries. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,040-12,054	2.6	10
304	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9969-9982	2.6	21
303	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,235	2.6	11
302	Systematic Evaluation of Low-Frequency Hiss and Energetic Electron Injections. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,263-10,274	2.6	22
301	Particle Radiation Sources, Propagation and Interactions in Deep Space, at Earth, the Moon, Mars, and Beyond: Examples of Radiation Interactions and Effects. <i>Space Science Reviews</i> , 2017 , 212, 1069-1106	7.5	11
300	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	4.9	44
299	Modeling the effectiveness of shielding in the earth-moon-mars radiation environment using PREDICCS: five solar events in 2012. <i>Journal of Space Weather and Space Climate</i> , 2017 , 7, A16	2.5	3
298	The Warm Plasma Composition in the Inner Magnetosphere During 2012–2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,018-11,043	2.6	13
297	The Characteristic Pitch Angle Distributions of 1 eV to 600 keV Protons Near the Equator Based On Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9464-9473	2.6	21
296	The effects of magnetospheric processes on relativistic electron dynamics in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9952-9968	2.6	8

295	Storm time empirical model of O ⁺ and O ⁶⁺ distributions in the magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8353-8374	2.6	15
294	Statistical analysis of MMS observations of energetic electron escape observed at/beyond the dayside magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9440-9463	2.6	11
293	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. <i>Geophysical Research Letters</i> , 2017 , 44, 12,057	4.9	13
292	Space physics and policy for contemporary society. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4430-4435	2.6	11
291	Chorus Wave Modulation of Langmuir Waves in the Radiation Belts. <i>Geophysical Research Letters</i> , 2017 , 44, 11,713-11,721	4.9	15
290	Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. <i>Geophysical Research Letters</i> , 2017 , 44, 11,265-11,272	4.9	63
289	Van Allen Probes Measurements of Energetic Particle Deep Penetration Into the Low L Region (L ₁). <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,140-12,152	2.6	16
288	The rate of dielectric breakdown weathering of lunar regolith in permanently shadowed regions. <i>Icarus</i> , 2017 , 283, 352-358	3.8	12
287	Generation of lower and upper bands of electrostatic electron cyclotron harmonic waves in the Van Allen radiation belts. <i>Geophysical Research Letters</i> , 2017 , 44, 5251-5258	4.9	11
286	Second harmonic poloidal waves observed by Van Allen Probes in the dusk-midnight sector. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3013-3039	2.6	28
285	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,047	2.6	21
284	Rapid Loss of Radiation Belt Relativistic Electrons by EMIC Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9880-9897	2.6	29
283	The Fly ^π Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission 2017 , 307-327		
282	Particle Radiation Sources, Propagation and Interactions in Deep Space, at Earth, the Moon, Mars, and Beyond: Examples of Radiation Interactions and Effects. <i>Space Sciences Series of ISSI</i> , 2017 , 257-294 ^{O.1}		
281	The Fly ^π Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , 2016 , 199, 309-329	7.5	57
280	Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 1 ^π May 2014. <i>Annales Geophysicae</i> , 2016 , 34, 985-998	2	10
279	Rapid enhancement of low-energy (0.1-1 MeV) electrons in the radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6430-6443	3.6	20
278	First multipoint in situ observations of electron microbursts: Initial results from the NSF FIREBIRD II mission. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5272-5283	2.6	50

277	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	2.6	73
276	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	2.6	49
275	Van Allen Probes observations of magnetic field dipolarization and its associated O ⁺ flux variations in the inner magnetosphere at L. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7572-7589	2.6	22
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