

H E Spence

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3605283/h-e-spence-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. <i>Nature</i> , 2013 , 504, 411-4	50.4	481
419	The Magnetic Electron Ion Spectrometer (MagEIS) Instruments Aboard the Radiation Belt Storm Probes (RBSP) Spacecraft. <i>Space Science Reviews</i> , 2013 , 179, 383-421	7.5	405
418	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	7.5	383
417	Electron acceleration in the heart of the Van Allen radiation belts. <i>Science</i> , 2013 , 341, 991-4	33.3	379
416	Helium, Oxygen, Proton, and Electron (HOPE) Mass Spectrometer for the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 423-484	7.5	356
415	The Relativistic Electron-Proton Telescope (REPT) Instrument on Board the Radiation Belt Storm Probes (RBSP) Spacecraft: Characterization of Earth's Radiation Belt High-Energy Particle Populations. <i>Space Science Reviews</i> , 2013 , 179, 337-381	7.5	264
414	Lunar Reconnaissance Orbiter Overview: The Instrument Suite and Mission. <i>Space Science Reviews</i> , 2007 , 129, 391-419	7.5	248
413	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	4.9	235
412	ULF waves in the solar wind as direct drivers of magnetospheric pulsations. <i>Geophysical Research Letters</i> , 2002 , 29, 39-1-39-4	4.9	207
411	Observations of discrete, global magnetospheric oscillations directly driven by solar wind density variations. <i>Journal of Geophysical Research</i> , 2003 , 108,		180
410	A long-lived relativistic electron storage ring embedded in Earth's outer Van Allen belt. <i>Science</i> , 2013 , 340, 186-90	33.3	179
409	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	2.6	156
408	Characteristics of ion flow in the quiet state of the inner plasma sheet. <i>Geophysical Research Letters</i> , 1993 , 20, 1711-1714	4.9	153
407	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	2.6	146
406	CEPPAD. <i>Space Science Reviews</i> , 1995 , 71, 531-562	7.5	138
405	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> , 2013 , 40, 3507-3511	4.9	137
404	The occurrence and wave properties of H ⁺ , He ⁺ , and O ⁺ -band EMIC waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7477-7492	2.6	133

403	Coronal mass ejections, magnetic clouds, and relativistic magnetospheric electron events: ISTP. <i>Journal of Geophysical Research</i> , 1998 , 103, 17279-17291		133
402	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	2.6	122
401	Magnetospheric plasma pressures in the midnight meridian: Observations from 2.5 to 35 RE. <i>Journal of Geophysical Research</i> , 1989 , 94, 5264		120
400	The average magnetic field draping and consistent plasma properties of the Venus magnetotail. <i>Journal of Geophysical Research</i> , 1986 , 91, 7939		119
399	Cusp energetic particle events: Implications for a major acceleration region of the magnetosphere. <i>Journal of Geophysical Research</i> , 1998 , 103, 69-78		118
398	Wave-driven butterfly distribution of Van Allen belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 8590	17.4	117
397	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013 , 40, 4127-4132	4.9	115
396	Recurrent geomagnetic storms and relativistic electron enhancements in the outer magnetosphere: ISTP coordinated measurements. <i>Journal of Geophysical Research</i> , 1997 , 102, 14141-14148		112
395	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	4.9	108
394	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	4.9	105
393	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	2.6	105
392	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	4.9	103
391	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	4.9	102
390	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5574-5592	2.6	102
389	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	4.9	97
388	First energetic neutral atom images from Polar. <i>Geophysical Research Letters</i> , 1997 , 24, 1167-1170	4.9	96
387	Heliospheric plasma sheets. <i>Journal of Geophysical Research</i> , 2004 , 109,		96
386	Resonant scattering of energetic electrons by unusual low-frequency hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 1854-1861	4.9	95

385	CraTER: The Cosmic Ray Telescope for the Effects of Radiation Experiment on the Lunar Reconnaissance Orbiter Mission. <i>Space Science Reviews</i> , 2010 , 150, 243-284	7.5	95
384	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	2.6	92
383	Wave-induced loss of ultra-relativistic electrons in the Van Allen radiation belts. <i>Nature Communications</i> , 2016 , 7, 12883	17.4	90
382	Quantifying the radiation belt seed population in the 17 March 2013 electron acceleration event. <i>Geophysical Research Letters</i> , 2014 , 41, 2275-2281	4.9	90
381	Discovery of the action of a geophysical synchrotron in the Earth's Van Allen radiation belts. <i>Nature Communications</i> , 2013 , 4,	17.4	89
380	On the possibility of quasi-static convection in the quiet magnetotail. <i>Geophysical Research Letters</i> , 1988 , 15, 1541-1544	4.9	88
379	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	7.5	87
378	Contributions of the low-latitude boundary layer to the finite width magnetotail convection model. <i>Journal of Geophysical Research</i> , 1993 , 98, 15487		86
377	Metrics for solar wind prediction models: Comparison of empirical, hybrid, and physics-based schemes with 8 years of L1 observations. <i>Space Weather</i> , 2008 , 6, n/a-n/a	3.7	85
376	Explaining the dynamics of the ultra-relativistic third Van Allen radiation belt. <i>Nature Physics</i> , 2016 , 12, 978-983	16.2	83
375	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	2.6	83
374	Shock-induced prompt relativistic electron acceleration in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1661-1674	2.6	82
373	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3325-3332	2.6	82
372	The global response of relativistic radiation belt electrons to the January 1997 magnetic cloud. <i>Geophysical Research Letters</i> , 1998 , 25, 3265-3268	4.9	82
371	AMPTE/CCE-SCATHA simultaneous observations of substorm-associated magnetic fluctuations. <i>Journal of Geophysical Research</i> , 1998 , 103, 4671-4682		80
370	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	4.9	76
369	An event-based approach to validating solar wind speed predictions: High-speed enhancements in the Wang-Sheeley-Arge model. <i>Journal of Geophysical Research</i> , 2005 , 110,		75
368	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

367	A new, temporarily confined population in the polar cap during the August 27, 1996 geomagnetic field distortion period. <i>Geophysical Research Letters</i> , 1997 , 24, 1447-1450	4.9	73
366	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , 2016 , 43, 3009-3016	4.9	73
365	Simulation of Van Allen Probes plasmopause encounters. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7464-7484	2.6	72
364	The discovery of trapped energetic electrons in the outer cusp. <i>Geophysical Research Letters</i> , 1998 , 25, 1825-1828	4.9	72
363	Unraveling the drivers of the storm time radiation belt response. <i>Geophysical Research Letters</i> , 2015 , 42, 3076-3084	4.9	70
362	Investigation of EMIC wave scattering as the cause for the BARREL 17 January 2013 relativistic electron precipitation event: A quantitative comparison of simulation with observations. <i>Geophysical Research Letters</i> , 2014 , 41, 8722-8729	4.9	70
361	Relative occurrence rates and connection of discrete frequency oscillations in the solar wind density and dayside magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		70
360	A background correction algorithm for Van Allen Probes MagEIS electron flux measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5703-5727	2.6	66
359	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
358	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	4.9	63
357	The dependence on geomagnetic conditions and solar wind dynamic pressure of the spatial distributions of EMIC waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4362-4377	2.6	59
356	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	59
355	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. <i>Geophysical Research Letters</i> , 2016 , 43, 8867-8875	4.9	58
354	Solar proton events for 450 years: The Carrington event in perspective. <i>Advances in Space Research</i> , 2006 , 38, 232-238	2.4	58
353	The FlyØ Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission. <i>Space Science Reviews</i> , 2016 , 199, 309-329	7.5	57
352	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 10096	17.4	57
351	A statistical study of the global structure of the ring current. <i>Journal of Geophysical Research</i> , 2004 , 109,		56
350	Earth-Moon-Mars Radiation Environment Module framework. <i>Space Weather</i> , 2010 , 8, n/a-n/a	3.7	54

349	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
348	Ion observations from geosynchronous orbit as a proxy for ion cyclotron wave growth during storm times. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		53
347	Lunar radiation environment and space weathering from the Cosmic Ray Telescope for the Effects of Radiation (CRaTER). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		52
346	The Global Pattern of Evolution of Plasmaspheric Drainage Plumes. <i>Geophysical Monograph Series</i> , 2005 , 1-22	1.1	52
345	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	2.6	52
344	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	4.9	51
343	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
342	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , 2014 , 41, 4101-4108	4.9	50
341	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	2.6	50
340	Global energetic neutral atom (ENA) measurements and their association with the Dst index. <i>Geophysical Research Letters</i> , 1997 , 24, 3173-3176	4.9	50
339	Cusp energetic ions: A bow shock source. <i>Geophysical Research Letters</i> , 1998 , 25, 3729-3732	4.9	50
338	ULF waves in the low-latitude boundary layer and their relationship to magnetospheric pulsations: A multisatellite observation. <i>Journal of Geophysical Research</i> , 1991 , 96, 9503		50
337	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
336	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2014 , 41, 229-235	4.9	49
335	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	2.6	49
334	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
333	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
332	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	2.6	47

331	The source of O+ in the storm time ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5333-5349	2.6	47
330	Interactions of energetic electrons with ULF waves triggered by interplanetary shock: Van Allen Probes observations in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8262-8273	2.6	47
329	Relative timing of substorm onset phenomena. <i>Journal of Geophysical Research</i> , 2004 , 109,		47
328	Dipolarizing flux bundles in the cis-geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1362-1376	2.6	47
327	PARTICLE ACCELERATION AT LOW CORONAL COMPRESSION REGIONS AND SHOCKS. <i>Astrophysical Journal</i> , 2015 , 810, 97	4.7	46
326	Suprathermal electron isotropy in high-beta solar wind and its role in heat flux dropouts. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	45
325	Empirical modeling of the quiet time nightside magnetosphere. <i>Journal of Geophysical Research</i> , 1994 , 99, 151		45
324	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
323	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 5702-5709	4.9	44
322	Does the worsening galactic cosmic radiation environment observed by CRaTER preclude future manned deep space exploration?. <i>Space Weather</i> , 2014 , 12, 622-632	3.7	44
321	Modeling radiation belt radial diffusion in ULF wave fields: 2. Estimating rates of radial diffusion using combined MHD and particle codes. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		44
320	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6620-6631	2.6	44
319	Nonstorm time dropout of radiation belt electron fluxes on 24 September 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6400-6416	2.6	43
318	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	4.9	43
317	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	2.6	42
316	The variation of the plasma sheet polytropic index along the midnight meridian in a finite width magnetotail. <i>Geophysical Research Letters</i> , 1990 , 17, 591-594	4.9	42
315	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. <i>Geophysical Research Letters</i> , 2014 , 41, 6307-6313	4.9	41
314	Solar wind conditions leading to efficient radiation belt electron acceleration: A superposed epoch analysis. <i>Geophysical Research Letters</i> , 2015 , 42, 6906-6915	4.9	39

313	Examining Periodic Solar-Wind Density Structures Observed in the SECCHI Heliospheric Imagers. <i>Solar Physics</i> , 2010 , 267, 175-202	2.6	39
312	Static magnetic field models consistent with nearly isotropic plasma pressure. <i>Geophysical Research Letters</i> , 1987 , 14, 872-875	4.9	39
311	Characteristic energy range of electron scattering due to plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,737	2.6	39
310	Magnetospheric influence on the Moon's exosphere. <i>Journal of Geophysical Research</i> , 2006 , 111,		38
309	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	2.6	38
308	Extreme geomagnetic disturbances due to shocks within CMEs. <i>Geophysical Research Letters</i> , 2015 , 42, 4694-4701	4.9	37
307	Multiple loss processes of relativistic electrons outside the heart of outer radiation belt during a storm sudden commencement. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,275-10,288	2.6	37
306	Statistical properties of the radiation belt seed population. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7636-7646	2.6	37
305	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. <i>Geophysical Research Letters</i> , 2018 , 45, 3783-3792	4.9	36
304	Role of coronal mass ejections in the heliospheric Hale cycle. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	36
303	Correlated Pc4B 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	2.6	35
302	New measurements of total ionizing dose in the lunar environment. <i>Space Weather</i> , 2011 , 9, n/a-n/a	3.7	35
301	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6458-6479	2.6	35
300	Formation of the oxygen torus in the inner magnetosphere: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1182-1196	2.6	34
299	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
298	Plasmatrough exohiss waves observed by Van Allen Probes: Evidence for leakage from plasmasphere and resonant scattering of radiation belt electrons. <i>Geophysical Research Letters</i> , 2015 , 42, 1012-1019	4.9	34
297	Revisiting two-step Forbush decreases. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		34
296	Space Technology 5 multi-point measurements of near-Earth magnetic fields: Initial results. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	34

295	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	2.6	34
294	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
293	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
292	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	4.9	33
291	Quantifying hiss-driven energetic electron precipitation: A detailed conjunction event analysis. <i>Geophysical Research Letters</i> , 2014 , 41, 1085-1092	4.9	33
290	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
289	Multiple bidirectional EMIC waves observed by Cluster at middle magnetic latitudes in the dayside magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6266-6278	2.6	32
288	Energetic magnetosheath ions connected to the Earth's bow shock: Possible source of cusp energetic ions. <i>Journal of Geophysical Research</i> , 2000 , 105, 5471-5488		32
287	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
286	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
285	Variability of the pitch angle distribution of radiation belt ultrarelativistic electrons during and following intense geomagnetic storms: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4863-4876	2.6	31
284	Are periodic solar wind number density structures formed in the solar corona?. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	31
283	A quantitative assessment of empirical magnetic field models at geosynchronous orbit during magnetic storms. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		31
282	Predicting magnetopause crossings at geosynchronous orbit during the Halloween storms. <i>Space Weather</i> , 2007 , 5, n/a-n/a	3.7	31
281	Ultrarelativistic electron butterfly distributions created by parallel acceleration due to magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3212-3222	2.6	31
280	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
279	Simulations of inner magnetosphere dynamics with an expanded RAM-SCB model and comparisons with Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014 , 41, 2687-2694	4.9	30
278	Study of EMIC wave excitation using direct ion measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2702-2719	2.6	29

277	Origin of two-band chorus in the radiation belt of Earth. <i>Nature Communications</i> , 2019 , 10, 4672	17.4	29
276	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
275	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , 2015 , 42, 3129-3140	4.9	29
274	CORONAL ELECTRON TEMPERATURE FROM THE SOLAR WIND SCALING LAW THROUGHOUT THE SPACE AGE. <i>Astrophysical Journal</i> , 2011 , 739, 9	4.7	29
273	Inherent length-scales of periodic solar wind number density structures. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		29
272	Center for integrated space weather modeling metrics plan and initial model validation results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1499-1507	2	29
271	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
270	Storm-time configuration of the inner magnetosphere: Lyon-Fedder-Mobarry MHD code, Tsyganenko model, and GOES observations. <i>Journal of Geophysical Research</i> , 2006 , 111,		28
269	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
268	What effect do substorms have on the content of the radiation belts?. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6292-6306	2.6	27
267	Bursty energetic electrons confined in flux ropes in the cusp region. <i>Planetary and Space Science</i> , 2003 , 51, 821-830	2	27
266	Electron butterfly distribution modulation by magnetosonic waves. <i>Geophysical Research Letters</i> , 2016 , 43, 3051-3059	4.9	27
265	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
264	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
263	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
262	Van Allen Probes observations of direct wave-particle interactions. <i>Geophysical Research Letters</i> , 2014 , 41, 1869-1875	4.9	26
261	The Relativistic Electron-Proton Telescope (REPT) Instrument on Board the Radiation Belt Storm Probes (RBSP) Spacecraft: Characterization of Earth's Radiation Belt High-Energy Particle Populations 2012 , 337-381		26
260	EMIC waves and associated relativistic electron precipitation on 25-26 January 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,086-11,100	2.6	26

259	Quantifying the relative contributions of substorm injections and chorus waves to the rapid outward extension of electron radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,023	2.6	25
258	Revision of empirical electric field modeling in the inner magnetosphere using Cluster data. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4119-4134	2.6	25
257	Remote observations of ion temperatures in the quiet time magnetosphere. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	25
256	Charge exchange contribution to the decay of the ring current, measured by energetic neutral atoms (ENAs). <i>Journal of Geophysical Research</i> , 2001 , 106, 1931-1937		25
255	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
254	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
253	Modeling radiation belt radial diffusion in ULF wave fields: 1. Quantifying ULF wave power at geosynchronous orbit in observations and in global MHD model. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		24
252	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
251	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
250	Prompt injections of highly relativistic electrons induced by interplanetary shocks: A statistical study of Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016 , 43, 12,317	4.9	23
249	Penetration of magnetosonic waves into the plasmasphere observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2015 , 42, 7287-7294	4.9	23
248	Galactic cosmic ray radiation hazard in the unusual extended solar minimum between solar cycles 23 and 24. <i>Space Weather</i> , 2010 , 8, n/a-n/a	3.7	23
247	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
246	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
245	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
244	REPAD: An empirical model of pitch angle distributions for energetic electrons in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1693-1708	2.6	22
243	Excitation of nightside magnetosonic waves observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9125-9133	2.6	22
242	The radiation environment near the lunar surface: CRaTER observations and Geant4 simulations. <i>Space Weather</i> , 2013 , 11, 142-152	3.7	22

241	Two groups of extremely large >30MeV solar proton fluence events. <i>Advances in Space Research</i> , 2006 , 37, 1734-1740	2.4	22
240	Afternoon Subauroral Proton Precipitation Resulting from Ring Current-Plasmasphere Interaction. <i>Geophysical Monograph Series</i> , 2005 , 85-99	1.1	22
239	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). <i>Geophysical Research Letters</i> , 2016 , 43, 5960-5968	4.9	22
238	Nitrate ion spikes in ice cores not suitable as proxies for solar proton events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 2994-3016	4.4	22
237	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9969-9982	2.6	21
236	Opening a Window on ICME-driven GCR Modulation in the Inner Solar System. <i>Astrophysical Journal</i> , 2018 , 856, 139	4.7	21
235	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
234	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
233	Dielectric breakdown weathering of the Moon's polar regolith. <i>Journal of Geophysical Research E: Planets</i> , 2015 , 120, 210-225	4.1	21
232	Geotail and LFM comparisons of plasma sheet climatology: 1. Average values. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		21
231	A study of omega bands and Ps6 pulsations on the ground, at low altitude and at geostationary orbit. <i>Journal of Geophysical Research</i> , 1999 , 104, 14705-14715		21
230	Multi-satellite simultaneous observations of magnetopause and atmospheric losses of radiation belt electrons during an intense solar wind dynamic pressure pulse. <i>Annales Geophysicae</i> , 2016 , 34, 493-509		21
229	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
228	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
227	Rapid enhancement of low-energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6430-6443	3.6	20
226	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. <i>Geophysical Research Letters</i> , 2018 , 45, 6755-6765	4.9	20
225	Trunk-like heavy ion structures observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8738-8748	2.6	20
224	Ambient solar wind's effect on ICME transit times. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	20

223	Plasmoid in the high latitude boundary/cusp region observed by Cluster. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	20
222	On the solar wind control of cusp aurora during northward IMF. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	20
221	Observation of the 40 keV field-aligned ion beams. <i>Geophysical Research Letters</i> , 1998 , 25, 1617-1620	4.9	20
220	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
219	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
218	Synthesis of 3-D Coronal-Solar Wind Energetic Particle Acceleration Modules. <i>Space Weather</i> , 2014 , 12, 323-328	3.7	19
217	Validation of PREDICCS using LRO/CRaTER observations during three major solar events in 2012. <i>Space Weather</i> , 2013 , 11, 350-360	3.7	19
216	On the standing wave mode of giant pulsations. <i>Journal of Geophysical Research</i> , 1992 , 97, 10717		19
215	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
214	Heavy-ion dominance near Cluster perigees. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,485-10,505	2.6	18
213	Roles of empirical modeling within CISM. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1481-1489	2	18
212	Simulation studies of ionospheric airglow signatures of plasma depletions at the equator. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1985 , 47, 885-893		18
211	Ion nose spectral structures observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 12,025-12,046	2.6	18
210	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 405-419	2.6	18
209	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
208	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
207	The influences of solar wind pressure and interplanetary magnetic field on global magnetic field and outer radiation belt electrons. <i>Geophysical Research Letters</i> , 2016 , 43, 7319-7327	4.9	17
206	Survey of radiation belt energetic electron pitch angle distributions based on the Van Allen Probes MagEIS measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1078-1090	2.6	17

205	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
204	Measurements of galactic cosmic ray shielding with the CRaTER instrument. <i>Space Weather</i> , 2013 , 11, 284-296	3.7	17
203	Posteruptive phenomena in coronal mass ejections and substorms: Indicators of a universal process?. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		17
202	Predicting magnetospheric dynamics with a coupled Sun-to-Earth model: Challenges and first results. <i>Space Weather</i> , 2007 , 5, n/a-n/a	3.7	17
201	Solar And Cosmic Ray Physics And The Space Environment: Studies For And With LISA. <i>AIP Conference Proceedings</i> , 2006 ,	0	17
200	Rapid flattening of butterfly pitch angle distributions of radiation belt electrons by whistler-mode chorus. <i>Geophysical Research Letters</i> , 2016 , 43, 8339-8347	4.9	17
199	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016 , 43, 5597-5605	4.9	17
198	Galactic cosmic ray variations in the inner heliosphere from solar distances less than 0.5 AU: Measurements from the MESSENGER Neutron Spectrometer. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7398-7406	2.6	16
197	Deep dielectric charging of regolith within the Moon's permanently shadowed regions. <i>Journal of Geophysical Research E: Planets</i> , 2014 , 119, 1806-1821	4.1	16
196	The formation of molecular hydrogen from water ice in the lunar regolith by energetic charged particles. <i>Journal of Geophysical Research E: Planets</i> , 2013 , 118, 1257-1264	4.1	16
195	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
194	Relative contributions of galactic cosmic rays and lunar proton albedo to dose and dose rates near the Moon. <i>Space Weather</i> , 2013 , 11, 643-650	3.7	16
193	The deep space galactic cosmic ray lineal energy spectrum at solar minimum. <i>Space Weather</i> , 2013 , 11, 361-368	3.7	16
192	Interhemispheric observations of impulsive nitrate enhancements associated with the four large ground-level solar cosmic ray events (1940-1950). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 1840-1845	2	16
191	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
190	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
189	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
188	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

187	The complex nature of storm-time ion dynamics: Transport and local acceleration. <i>Geophysical Research Letters</i> , 2016 , 43, 10,059-10,067	4.9	15
186	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
185	Chorus Wave Modulation of Langmuir Waves in the Radiation Belts. <i>Geophysical Research Letters</i> , 2017 , 44, 11,713-11,721	4.9	15
184	Butterfly pitch angle distribution of relativistic electrons in the outer radiation belt: Evidence of nonadiabatic scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4279-4297	2.6	15
183	Relativistic electron response to the combined magnetospheric impact of a coronal mass ejection overlapping with a high-speed stream: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7629-7641	2.6	15
182	DMSP F7 observations of a substorm field-aligned current. <i>Journal of Geophysical Research</i> , 1991 , 96, 19409		15
181	Prompt enhancement of the Earth's outer radiation belt due to substorm electron injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,826-11,838	2.6	15
180	The relationship between the plasmopause and outer belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8392-8416	2.6	15
179	Transitional behavior of different energy protons based on Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2017 , 44, 625-633	4.9	14
178	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8300-8316	2.6	14
177	Earth's magnetosphere and outer radiation belt under sub-Alfvénic solar wind. <i>Nature Communications</i> , 2016 , 7, 13001	17.4	14
176	Van Allen Probes observations linking radiation belt electrons to chorus waves during 2014 multiple storms. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 938-948	2.6	14
175	Nitrate deposition to surface snow at Summit, Greenland, following the 9 November 2000 solar proton event. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 6938-6957	4.4	14
174	Sun-to-magnetosphere modeling: CISM forecast model development using linked empirical methods. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1491-1497	2	14
173	Energetic particle sounding of the magnetopause: A contribution by Cluster/RAPID. <i>Journal of Geophysical Research</i> , 2004 , 109,		14
172	Association of energetic neutral atom bursts and magnetospheric substorms. <i>Journal of Geophysical Research</i> , 2000 , 105, 18753-18763		14
171	Investigation of magnetopause reconnection models using two colocated, low-altitude satellites: A unifying reconnection geometry. <i>Journal of Geophysical Research</i> , 2001 , 106, 29451-29466		14
170	The Magnetic Electron Ion Spectrometer (MagEIS) Instruments Aboard the Radiation Belt Storm Probes (RBSP) Spacecraft 2013 , 383-421		14

169	Direct Observation of Subrelativistic Electron Precipitation Potentially Driven by EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12711-12721	4.9	14
168	Reply to 'The dynamics of Van Allen belts revisited'. <i>Nature Physics</i> , 2018 , 14, 103-104	16.2	13
167	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
166	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
165	Assessing access of galactic cosmic rays at Moon's orbit. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	13
164	First polar and 1995-034 observations of the midaltitude cusp during a persistent northward IMF condition. <i>Geophysical Research Letters</i> , 1997 , 24, 1475-1478	4.9	13
163	MeV magnetosheath ions energized at the bow shock. <i>Journal of Geophysical Research</i> , 2001 , 106, 19101-19115	4.9	13
162	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
161	Energization of the Ring Current by Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8131-8148	2.6	13
160	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
159	RBSP-ECT Combined Spin-Averaged Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9124-9136	2.6	12
158	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
157	The rate of dielectric breakdown weathering of lunar regolith in permanently shadowed regions. <i>Icarus</i> , 2017 , 283, 352-358	3.8	12
156	Geotail and LFM comparisons of plasma sheet climatology: 2. Flow variability. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		12
155	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
154	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
153	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
152	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

151	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
150	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
149	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
148	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
147	Space physics and policy for contemporary society. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4430-4435	2.6	11
146	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
145	Van Allen Probe observations of drift-bounce resonances with Pc 4 pulsations and wave-particle interactions in the pre-midnight inner magnetosphere. <i>Annales Geophysicae</i> , 2015 , 33, 955-964	2	11
144	The first cosmic ray albedo proton map of the Moon. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
143	Solar and Ionospheric Plasmas in the Ring Current Region. <i>Geophysical Monograph Series</i> , 2005 , 179-194	1.1	11
142	. <i>IEEE Transactions on Nuclear Science</i> , 1993 , 40, 1521-1524	1.7	11
141	Signatures of volatiles in the lunar proton albedo. <i>Icarus</i> , 2016 , 273, 25-35	3.8	11
140	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
139	Temperature Dependence of Plasmaspheric Ion Composition. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6585-6595	2.6	10
138	Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 10 May 2014. <i>Annales Geophysicae</i> , 2016 , 34, 985-998	2	10
137	Artificial Neural Networks for Determining Magnetospheric Conditions 2018 , 279-300		10
136	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
135	First joint in situ and global observations of the medium-energy oxygen and hydrogen in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7615-7628	2.6	10
134	An empirically observed pitch-angle diffusion eigenmode in the Earth's electron belt near $L^* = 5.0$. <i>Geophysical Research Letters</i> , 2014 , 41, 251-258	4.9	10

133	Evolution of chorus emissions into plasmaspheric hiss observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4518-4529	2.6	10
132	Storm time impulsive enhancements of energetic oxygen due to adiabatic acceleration of preexisting warm oxygen in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7739-7752	2.6	10
131	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12675-12684	4.9	10
130	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
129	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
128	Van Allen Probes, THEMIS, GOES, and Cluster observations of EMIC waves, ULF pulsations, and an electron flux dropout. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1990-2008	2.6	9
127	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
126	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
125	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
124	Prediction of MeV electron fluxes throughout the outer radiation belt using multivariate autoregressive models. <i>Space Weather</i> , 2015 , 13, 853-867	3.7	9
123	Helium, Oxygen, Proton, and Electron (HOPE) Mass Spectrometer for the Radiation Belt Storm Probes Mission 2013 , 423-484		9
122	Polar CEPPAD/IPS energetic neutral atom (ENA) images of a substorm injection. <i>Advances in Space Research</i> , 2000 , 25, 2407-2416	2.4	9
121	Substorm Aurorae and Their Connection to the Inner Magnetosphere.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1992 , 44, 1251-1260		9
120	Drift paths of ions composing multiple-nose spectral structures near the inner edge of the plasma sheet. <i>Geophysical Research Letters</i> , 2016 , 43, 11,484	4.9	8
119	Radiation modeling in the Earth and Mars atmospheres using LRO/CRaTER with the EMMREM Module. <i>Space Weather</i> , 2014 , 12, 112-119	3.7	8
118	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
117	Analysis of the potential radiation hazard of the 23 July 2012 SEP event observed by STEREO A using the EMMREM model and LRO/CRaTER. <i>Space Weather</i> , 2015 , 13, 560-567	3.7	8
116	On the use of drift echoes to characterize on-orbit sensor discrepancies. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2076-2087	2.6	8

115	Does the space environment affect the ecosphere?. <i>Eos</i> , 2011 , 92, 297-298	1.5	8
114	Reply to comment on MeV magnetosheath ions energized at the bow shock by J. Chen, T. A. Fritz, and R. B. Sheldon. <i>Journal of Geophysical Research</i> , 2003 , 108,		8
113	Comparison of field-aligned currents at ionospheric and magnetospheric altitudes. <i>Advances in Space Research</i> , 1988 , 8, 343-346	2.4	8
112	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
111	Microinjections observed by MMS FEEPS in the dusk to midnight region. <i>Geophysical Research Letters</i> , 2016 , 43, 6078-6086	4.9	7
110	Multipoint observations of the open-closed field line boundary as observed by the Van Allen Probes and geostationary satellites during the 14 November 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6596-6613	2.6	7
109	Simultaneous Observations of the Westward Electrojet and the Cross-Tail Current Sheet During Substorms. <i>Geophysical Monograph Series</i> , 2013 , 123-130	1.1	7
108	Application and testing of the L* neural network with the self-consistent magnetic field model of RAM-SCB. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1683-1692	2.6	7
107	Multipoint, high time resolution galactic cosmic ray observations associated with two interplanetary coronal mass ejections. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		7
106	An event study to provide validation of TING and CMIT geomagnetic middle-latitude electron densities at the F2 peak. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		7
105	Separation of spatial and temporal structure of auroral particle precipitation. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		7
104	CRRES observations of particle flux dropout events. <i>Advances in Space Research</i> , 1996 , 18, 217-228	2.4	7
103	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 2013 , 311-336		7
102	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
101	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
100	Update on Galactic Cosmic Ray Integral Flux Measurements in Lunar Orbit With CRaTER. <i>Space Weather</i> , 2019 , 17, 1011	3.7	6
99	Comparisons of High-Linear Energy Transfer Spectra on the ISS and in Deep Space. <i>Space Weather</i> , 2019 , 17, 396-418	3.7	6
98	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

97	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
96	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
95	Alfvén boundaries: Noses and zippers. <i>Advances in Space Research</i> , 1997 , 20, 445-448	2.4	6
94	Tail lobe and open field line region entries at mid to high latitudes. <i>Advances in Space Research</i> , 1997 , 20, 431-435	2.4	6
93	Plasma sheet climatology: Geotail observations and LFM model comparisons. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1351-1360	2	6
92	Toward Understanding Radiation Belt Dynamics, Nuclear Explosion-Produced Artificial Belts, and Active Radiation Belt Remediation: Producing a Radiation Belt Data Assimilation Model. <i>Geophysical Monograph Series</i> , 2005 , 221-235	1.1	6
91	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
90	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
89	How dielectric breakdown may contribute to the global weathering of regolith on the moon. <i>Icarus</i> , 2019 , 319, 785-794	3.8	6
88	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. <i>Annales Geophysicae</i> , 2018 , 36, 781-791	2	6
87	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
86	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
85	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
84	Van Allen Probes observation and modeling of chorus excitation and propagation during weak geomagnetic activities. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6371-6385	2.6	5
83	GCR access to the Moon as measured by the CRaTER instrument on LRO. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	5
82	A new look at the pulsed reconnection model of the dayside magnetopause. <i>Advances in Space Research</i> , 2002 , 30, 2295-2300	2.4	5
81	Reverse convection and cusp proton aurora: Cluster, polar and image observation. <i>Advances in Space Research</i> , 2005 , 36, 1779-1784	2.4	5
80	Solar modulation of the deep space galactic cosmic ray lineal energy spectrum measured by CRaTER, 2009-2014. <i>Space Weather</i> , 2016 , 14, 247-258	3.7	5

79	Atmospheric radiation modeling of galactic cosmic rays using LRO/CRaTER and the EMMREM model with comparisons to balloon and airline based measurements. <i>Space Weather</i> , 2016 , 14, 659-667	3.7	5
78	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
77	Relativistic Electron Increase During Chorus Wave Activities on the 68 March 2016 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,302-11,319	2.6	4
76	Episodic Occurrence of Field-Aligned Energetic Ions on the Dayside. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086384	4.9	4
75	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
74	Broken Power-law Distributions from Low Coronal Compression Regions or Shocks. <i>Journal of Physics: Conference Series</i> , 2015 , 642, 012025	0.3	4
73	The CRaTER Special Issue of Space Weather: Building the observational foundation to deduce biological effects of space radiation. <i>Space Weather</i> , 2013 , 11, 47-48	3.7	4
72	Parameterizations of the linear energy transfer spectrum for the CRaTER instrument during the LRO mission. <i>Space Weather</i> , 2010 , 8, n/a-n/a	3.7	4
71	First observations by the CEPPAD imaging proton spectrometer aboard POLAR. <i>Advances in Space Research</i> , 1997 , 20, 933-936	2.4	4
70	On separating space and time variations of auroral precipitation: Dual DMSP-F6 and -F8 observations. <i>Advances in Space Research</i> , 1997 , 20, 453-456	2.4	4
69	2007 ,		4
68	Cusp energetic particle events measured by POLAR spacecraft. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 1999 , 24, 135-140		4
67	The what, where, when, and why of magnetospheric substorm triggers. <i>Eos</i> , 1996 , 77, 81-86	1.5	4
66	Space-time structure of the morning aurora inferred from coincident DMSP-F6, -F8, and SDR incoherent scatter radar observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1993 , 55, 1729-1739		4
65	Relativistic Electron Model in the Outer Radiation Belt Using a Neural Network Approach. <i>Space Weather</i> , 2021 , 19, e2021SW002808	3.7	4
64	Long term variations of galactic cosmic radiation on board the International Space Station, on the Moon and on the surface of Mars. <i>Journal of Space Weather and Space Climate</i> ,	2.5	4
63	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
62	The Relativistic Electron-Proton Telescope (REPT) Investigation: Design, Operational Properties, and Science Highlights. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	4

61	Interstellar Mapping and Acceleration Probe (IMAP). <i>Journal of Physics: Conference Series</i> , 2016 , 767, 012025	0.3	4
60	Exohiss wave enhancement following substorm electron injection in the dayside magnetosphere. <i>Earth and Planetary Physics</i> , 2018 , 2, 1-12	1.6	4
59	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
58	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
57	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
56	Initial POLAR MFE observation of substorm signatures in the polar magnetosphere. <i>Geophysical Research Letters</i> , 1997 , 24, 1459-1462	4.9	3
55	Formation of the LLBL in the Context of a Unifying Magnetopause Reconnection Mechanism. <i>Geophysical Monograph Series</i> , 2003 , 131-138	1.1	3
54	Magnetospheric constellation: Past, present and future. <i>Geophysical Monograph Series</i> , 1999 , 247-262	1.1	3
53	Low Altitude Signatures of the Plasma Sheet: Model Predictions of Local Time Dependence. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 887-895		3
52	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
51	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
50	Galactic Cosmic Radiation in the Interplanetary Space Through a Modern Secular Minimum. <i>Space Weather</i> , 2020 , 18, e2019SW002428	3.7	3
49	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
48	Interplanetary space weather effects on Lunar Reconnaissance Orbiter avalanche photodiode performance. <i>Space Weather</i> , 2016 , 14, 343-350	3.7	3
47	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
46	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
45	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
44	Absorbed doses from GCR and albedo particles emitted by the lunar surface. <i>Acta Astronautica</i> , 2020 , 175, 185-189	2.9	2

43	Radiation environment at the Moon: Comparisons of transport code modeling and measurements from the CRaTER instrument. <i>Space Weather</i> , 2014 , 12, 329-336	3.7	2
42	Analysis of plasmaspheric hiss wave amplitudes inferred from low-altitude POES electron data: Technique sensitivity analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3552-3563	2.6	2
41	James Van Allen and His Namesake NASA Mission. <i>Eos</i> , 2013 , 94, 469-470	1.5	2
40	Dose spectra from energetic particles and neutrons. <i>Space Weather</i> , 2013 , 11, 547-556	3.7	2
39	ISTP: Relativistic particle acceleration and global energy transport. <i>Advances in Space Research</i> , 1997 , 20, 1075-1080	2.4	2
38	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
37	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
36	RBSP-ECT Combined Pitch Angle Resolved Electron Flux Data Product. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028637	2.6	2
35	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
34	Nonlinearity in chorus waves during a geomagnetic storm on 1 November 2012. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 358-373	2.6	2
33	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
32	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
31	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
30	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
29	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
28	The possible contribution of dielectric breakdown to space weathering on Phobos. <i>Advances in Space Research</i> , 2018 , 62, 2187-2198	2.4	1
27	Comment on Atmospheric ionization by high-fluence, hard spectrum solar proton events and their probable appearance in the ice core archive by A. L. Melott et al.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 12,484-12,489	4.4	1
26	Observed and simulated LET spectra comparison for the CRaTER instrument on LRO 2012 ,		1

25	Contributions of Primary Particles to Observed LET for the CRaTER Instrument on LRO 2013 ,		1
24	A novel metric for coronal MHD models. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		1
23	Towards inner magnetosphere particle and field models. <i>Advances in Space Research</i> , 1997 , 20, 427-430	2.4	1
22	Energetic neutral atom imaging with the polar ceppad/ips instrument: Initial forward modeling results. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 1999 , 24, 203-208		1
21	Bistatic LIDAR experiment proposed for the shuttle/tethered satellite system missions. <i>Review of Scientific Instruments</i> , 1985 , 56, 670-673	1.7	1
20	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
19	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
18	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
17	Multipoint observations of compressional Pc5 pulsations in the dayside magnetosphere and corresponding particle signatures. <i>Annales Geophysicae</i> , 2020 , 38, 1267-1281	2	1
16	Precise Detections of Solar Particle Events and a New View of the Moon. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085522	4.9	1
15	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
14	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
13	Mars-Moons Exploration, Reconnaissance, and Landed Investigation (MERLIN) 2016 ,		1
12	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons 2018 ,		1
11	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
10	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
9	The Role of the Dynamic Plasmapause in Outer Radiation Belt Electron Flux Enhancement. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL086991	4.9	0
8	CRaTER: The Cosmic Ray Telescope for the Effects of Radiation Experiment on the Lunar Reconnaissance Orbiter Mission 2009 , 243-284		0

- 7 Composition variations of major lunar elements: Possible impacts on lunar albedo spectra. *Icarus*, **2021**, 369, 114629 3.8 0
- 6 Deep dielectric charging and breakdown of lunar polar regolith. *Journal of Physics: Conference Series*, **2015**, 646, 012010 0.3
- 5 Dayside open field line region boundary at high altitudes. *Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science*, **1999**, 24, 129-133
- 4 Geospace Environment Modeling Program flourishes. *Eos*, **1996**, 77, 237 1.5
- 3 The FlyØ Eye Energetic Particle Spectrometer (FEEPS) Sensors for the Magnetospheric Multiscale (MMS) Mission **2017**, 307-327
- 2 Particle Radiation Sources, Propagation and Interactions in Deep Space, at Earth, the Moon, Mars, and Beyond: Examples of Radiation Interactions and Effects. *Space Sciences Series of ISSI*, **2017**, 257-294 ^{0.1}
- 1 A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029294 2.6