

Xinlin Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3201312/publications.pdf>

Version: 2024-02-01

202
papers

10,858
citations

28274

55
h-index

38395

95
g-index

203
all docs

203
docs citations

203
times ranked

3180
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | 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. | 8.1 | 463 |
| 2 | The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013, 179, 183-220. | 8.1 | 421 |
| 3 | Simulation of the prompt energization and transport of radiation belt particles during the March 24, 1991 SSC. <i>Geophysical Research Letters</i> , 1993, 20, 2423-2426. | 4.0 | 393 |
| 4 | 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. | 8.1 | 334 |
| 5 | An extreme distortion of the Van Allen belt arising from the "Halloween" solar storm in 2003. <i>Nature</i> , 2004, 432, 878-881. | 27.8 | 299 |
| 6 | Multisatellite observations of the outer zone electron variation during the November 3-4, 1993, magnetic storm. <i>Journal of Geophysical Research</i> , 1997, 102, 14123-14140. | 3.3 | 274 |
| 7 | Energetic electron response to ULF waves induced by interplanetary shocks in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 266 |
| 8 | Quantitative prediction of radiation belt electrons at geostationary orbit based on solar wind measurements. <i>Geophysical Research Letters</i> , 2001, 28, 1887-1890. | 4.0 | 232 |
| 9 | A Long-Lived Relativistic Electron Storage Ring Embedded in Earth's Outer Van Allen Belt. <i>Science</i> , 2013, 340, 186-190. | 12.6 | 216 |
| 10 | 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. | 2.4 | 215 |
| 11 | Simulation of dispersionless injections and drift echoes of energetic electrons associated with substorms. <i>Geophysical Research Letters</i> , 1998, 25, 3763-3766. | 4.0 | 199 |
| 12 | A major solar eruptive event in July 2012: Defining extreme space weather scenarios. <i>Space Weather</i> , 2013, 11, 585-591. | 3.7 | 189 |
| 13 | A new model for the prediction of Dst on the basis of the solar wind. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 31-1-SMP 31-8. | 3.3 | 166 |
| 14 | Ultralow frequency modulation of energetic particles in the dayside magnetosphere. <i>Geophysical Research Letters</i> , 2007, 34, . | 4.0 | 163 |
| 15 | An impenetrable barrier to ultrarelativistic electrons in the Van Allen radiation belts. <i>Nature</i> , 2014, 515, 531-534. | 27.8 | 159 |
| 16 | Long term measurements of radiation belts by SAMPEX and their variations. <i>Geophysical Research Letters</i> , 2001, 28, 3827-3830. | 4.0 | 154 |
| 17 | The Electron Radiation Belt. <i>Space Science Reviews</i> , 2001, 95, 569-580. | 8.1 | 145 |
| 18 | Coronal mass ejections, magnetic clouds, and relativistic magnetospheric electron events: ISTP. <i>Journal of Geophysical Research</i> , 1998, 103, 17279-17291. | 3.3 | 144 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Simulation of energetic particle injections associated with a substorm on August 27, 2001. <i>Geophysical Research Letters</i> , 2003, 30, 4-1-4-4. | 4.0 | 140 |
| 20 | Recurrent geomagnetic storms and relativistic electron enhancements in the outer magnetosphere: ISTP coordinated measurements. <i>Journal of Geophysical Research</i> , 1997, 102, 14141-14148. | 3.3 | 133 |
| 21 | 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. | 4.0 | 127 |
| 22 | Dstmodel for 1995–2002. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 126 |
| 23 | Correlation between the inner edge of outer radiation belt electrons and the innermost plasmapause location. <i>Geophysical Research Letters</i> , 2006, 33, . | 4.0 | 119 |
| 24 | A strong CME-related magnetic cloud interaction with the Earth's Magnetosphere: ISTP observations of rapid relativistic electron acceleration on May 15, 1997. <i>Geophysical Research Letters</i> , 1998, 25, 2975-2978. | 4.0 | 118 |
| 25 | Energetic electrons, 50 keV to 6 MeV, at geosynchronous orbit: Their responses to solar wind variations. <i>Space Weather</i> , 2005, 3, n/a-n/a. | 3.7 | 112 |
| 26 | Are energetic electrons in the solar wind the source of the outer radiation belt?. <i>Geophysical Research Letters</i> , 1997, 24, 923-926. | 4.0 | 110 |
| 27 | Observations of coincident EMIC wave activity and duskside energetic electron precipitation on 18–19 January 2013. <i>Geophysical Research Letters</i> , 2015, 42, 5727-5735. | 4.0 | 102 |
| 28 | Simulation of proton radiation belt formation during the March 24, 1991 SSC. <i>Geophysical Research Letters</i> , 1995, 22, 291-294. | 4.0 | 98 |
| 29 | 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. | 2.4 | 93 |
| 30 | Variations of 0.7-6.0 MeV electrons at geosynchronous orbit as a function of solar wind. <i>Space Weather</i> , 2004, 2, n/a-n/a. | 3.7 | 92 |
| 31 | On the calculation of electric diffusion coefficient of radiation belt electrons with in situ electric field measurements by THEMIS. <i>Geophysical Research Letters</i> , 2016, 43, 1023-1030. | 4.0 | 90 |
| 32 | Simulation of the 23 July 2012 extreme space weather event: What if this extremely rare CME was Earth directed?. <i>Space Weather</i> , 2013, 11, 671-679. | 3.7 | 87 |
| 33 | Pitch angle distribution analysis of radiation belt electrons based on Combined Release and Radiation Effects Satellite Medium Electrons A data. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 86 |
| 34 | Modeling energetic particle injections in dynamic pulse fields with varying propagation speeds. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 1-1. | 3.3 | 85 |
| 35 | Strong electron acceleration in the Earth's magnetosphere. <i>Advances in Space Research</i> , 1998, 21, 609-613. | 2.6 | 83 |
| 36 | Understanding the Mechanisms of Radiation Belt Dropouts Observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9858-9879. | 2.4 | 83 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Particle Dynamics in the Earth's Radiation Belts: Review of Current Research and Open Questions. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA026735. | 2.4 | 81 |
| 38 | Electric and magnetic field observations of Pc4 and Pc5 pulsations in the inner magnetosphere: A statistical study. Journal of Geophysical Research, 2009, 114, . | 3.3 | 79 |
| 39 | Storm-dependent radiation belt electron dynamics. Journal of Geophysical Research, 2009, 114, . | 3.3 | 78 |
| 40 | Upper limit on the inner radiation belt MeV electron intensity. Journal of Geophysical Research: Space Physics, 2015, 120, 1215-1228. | 2.4 | 77 |
| 41 | Poloidal ULF wave observed in the plasmasphere boundary layer. Journal of Geophysical Research: Space Physics, 2013, 118, 4298-4307. | 2.4 | 74 |
| 42 | The evolution of ring current ion energy density and energy content during geomagnetic storms based on Van Allen Probes measurements. Journal of Geophysical Research: Space Physics, 2015, 120, 7493-7511. | 2.4 | 70 |
| 43 | Rapid MeV electron precipitation as observed by SAMPEX/HILT during high-speed stream-driven storms. Journal of Geophysical Research: Space Physics, 2015, 120, 3783-3794. | 2.4 | 70 |
| 44 | Prompt acceleration of magnetospheric electrons to ultrarelativistic energies by the 17 March 2015 interplanetary shock. Journal of Geophysical Research: Space Physics, 2016, 121, 7622-7635. | 2.4 | 68 |
| 45 | Behavior of MeV electrons at geosynchronous orbit during last two solar cycles. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 66 |
| 46 | Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. Nature Physics, 2019, 15, 367-372. | 16.7 | 66 |
| 47 | Ponderomotive effects on ion acceleration in the auroral zone. Geophysical Research Letters, 1993, 20, 13-16. | 4.0 | 65 |
| 48 | First results from CSSWE CubeSat: Characteristics of relativistic electrons in the near-Earth environment during the October 2012 magnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 6489-6499. | 2.4 | 65 |
| 49 | Quantifying radial diffusion coefficients of radiation belt electrons based on global MHD simulation and spacecraft measurements. Journal of Geophysical Research, 2012, 117, . | 3.3 | 62 |
| 50 | Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. Geophysical Research Letters, 2015, 42, 6170-6179. | 4.0 | 62 |
| 51 | Quantification of the precipitation loss of radiation belt electrons observed by SAMPEX. Journal of Geophysical Research, 2010, 115, . | 3.3 | 61 |
| 52 | Energetic particle injections in the inner magnetosphere as a response to an interplanetary shock. Journal of Atmospheric and Solar-Terrestrial Physics, 2003, 65, 233-244. | 1.6 | 60 |
| 53 | Observations of the impenetrable barrier, the plasmopause, and the VLF bubble during the 17 March 2015 storm. Journal of Geophysical Research: Space Physics, 2016, 121, 5537-5548. | 2.4 | 59 |
| 54 | Modeling the radiation belt electrons with radial diffusion driven by the solar wind. Space Weather, 2005, 3, n/a-n/a. | 3.7 | 58 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Characteristics of middle- to low-latitude Pi2 excited by bursty bulk flows. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 58 |
| 56 | Formation of intense nose structures. <i>Geophysical Research Letters</i> , 2001, 28, 491-494. | 4.0 | 55 |
| 57 | Energetic electron injections into the inner magnetosphere during the Jan. 10-11, 1997 magnetic storm. <i>Geophysical Research Letters</i> , 1998, 25, 2561-2564. | 4.0 | 53 |
| 58 | Peculiar pitch angle distribution of relativistic electrons in the inner radiation belt and slot region. <i>Geophysical Research Letters</i> , 2014, 41, 2250-2257. | 4.0 | 53 |
| 59 | Quantitative forecast of relativistic electron flux at geosynchronous orbit based on low-energy electron flux. <i>Space Weather</i> , 2008, 6, . | 3.7 | 52 |
| 60 | Statistical roles of storms and substorms in changing the entire outer zone relativistic electron population. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 52 |
| 61 | Modeling energetic electron penetration into the slot region and inner radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6936-6945. | 2.4 | 52 |
| 62 | 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. | 2.4 | 52 |
| 63 | Modeling of 1 st September 1859 super magnetic storm. <i>Advances in Space Research</i> , 2006, 38, 273-279. | 2.6 | 50 |
| 64 | Inward shift of outer radiation belt electrons as a function of <i>Dst</i> index and the influence of the solar wind on electron injections into the slot region. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 756-764. | 2.4 | 50 |
| 65 | Observations of the inner radiation belt: CRAND and trapped solar protons. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6541-6552. | 2.4 | 50 |
| 66 | Dynamic plasmopause model based on THEMIS measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,543. | 2.4 | 50 |
| 67 | Measurement of electrons from albedo neutron decay and neutron density in near-Earth space. <i>Nature</i> , 2017, 552, 382-385. | 27.8 | 50 |
| 68 | Fast Diffusion of Ultrarelativistic Electrons in the Outer Radiation Belt: 17 March 2015 Storm Event. <i>Geophysical Research Letters</i> , 2018, 45, 10874-10882. | 4.0 | 49 |
| 69 | Multiyear Measurements of Radiation Belt Electrons: Acceleration, Transport, and Loss. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2588-2602. | 2.4 | 48 |
| 70 | Rapid enhancements of relativistic electrons deep in the magnetosphere during the May 15, 1997, magnetic storm. <i>Journal of Geophysical Research</i> , 1999, 104, 4467-4476. | 3.3 | 47 |
| 71 | A nonstorm time enhancement of relativistic electrons in the outer radiation belt. <i>Geophysical Research Letters</i> , 2014, 41, 7-12. | 4.0 | 47 |
| 72 | 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. | 2.4 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Solar wind influence on Pc4 and Pc5 ULF wave activity in the inner magnetosphere. Journal of Geophysical Research, 2010, 115, . | 3.3 | 46 |
| 74 | Miniature X-Ray Solar Spectrometer: A Science-Oriented, University 3U CubeSat. Journal of Spacecraft and Rockets, 2016, 53, 328-339. | 1.9 | 46 |
| 75 | New conjunctive CubeSat and balloon measurements to quantify rapid energetic electron precipitation. Geophysical Research Letters, 2013, 40, 5833-5837. | 4.0 | 43 |
| 76 | Variability of the pitch angle distribution of radiation belt ultrarelativistic electrons during and following intense geomagnetic storms: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 4863-4876. | 2.4 | 43 |
| 77 | Propagation characteristics of plasmaspheric hiss: Van Allen Probe observations and global empirical models. Journal of Geophysical Research: Space Physics, 2017, 122, 4156-4167. | 2.4 | 43 |
| 78 | Characteristics of pitch angle distributions of hundreds of keV electrons in the slot region and inner radiation belt. Journal of Geophysical Research: Space Physics, 2014, 119, 9543-9557. | 2.4 | 41 |
| 79 | An Empirical Model of Radiation Belt Electron Pitch Angle Distributions Based On Van Allen Probes Measurements. Journal of Geophysical Research: Space Physics, 2018, 123, 3493-3511. | 2.4 | 41 |
| 80 | Parametric Sensitivity of the Formation of Reversed Electron Energy Spectrum Caused by Plasmaspheric Hiss. Geophysical Research Letters, 2019, 46, 4134-4143. | 4.0 | 41 |
| 81 | Simulating radial diffusion of energetic (MeV) electrons through a model of fluctuating electric and magnetic fields. Annales Geophysicae, 2006, 24, 2583-2598. | 1.6 | 39 |
| 82 | Modeling the deep penetration of outer belt electrons during the "Halloween" magnetic storm in 2003. Space Weather, 2009, 7, . | 3.7 | 39 |
| 83 | On phase space density radial gradients of Earth's outer belt electrons prior to sudden solar wind pressure enhancements: Results from distinctive events and a superposed epoch analysis. Journal of Geophysical Research, 2010, 115, . | 3.3 | 38 |
| 84 | On the relation between radiation belt electrons and solar wind parameters/geomagnetic indices: Dependence on the first adiabatic invariant and L^* . Journal of Geophysical Research: Space Physics, 2017, 122, 1624-1642. | 2.4 | 38 |
| 85 | High resolution patterning of Ag nanowire flexible transparent electrode via electrohydrodynamic jet printing of acrylic polymer-silicate nanoparticle composite overcoating layer. Organic Electronics, 2018, 62, 400-406. | 2.6 | 37 |
| 86 | THEMIS observations of the spatial extent and pressure pulse excitation of field line resonances. Geophysical Research Letters, 2010, 37, . | 4.0 | 36 |
| 87 | Prediction of the AU , AL , and AE indices using solar wind parameters. Journal of Geophysical Research: Space Physics, 2013, 118, 7683-7694. | 2.4 | 36 |
| 88 | Prediction of the AL index using solar wind parameters. Journal of Geophysical Research, 2007, 112, n/a-n/a. | 3.3 | 35 |
| 89 | Radiation belt electron dynamics at low L (<4): Van Allen Probes era versus previous two solar cycles. Journal of Geophysical Research: Space Physics, 2017, 122, 5224-5234. | 2.4 | 33 |
| 90 | Direct writing of silver nanowire electrodes via dragging mode electrohydrodynamic jet printing for organic thin film transistors. Organic Electronics, 2018, 62, 357-365. | 2.6 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Occurrence characteristics of outer zone relativistic electron butterfly distribution: A survey of Van Allen Probes REPT measurements. <i>Geophysical Research Letters</i> , 2016, 43, 5644-5652. | 4.0 | 32 |
| 92 | Large-amplitude electric fields in the inner magnetosphere: Van Allen Probes observations of subauroral polarization streams. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5294-5306. | 2.4 | 32 |
| 93 | 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. | 4.0 | 32 |
| 94 | Cone-jet printing of aligned silver nanowire/poly(ethylene oxide) composite electrodes for organic thin-film transistors. <i>Organic Electronics</i> , 2019, 69, 190-199. | 2.6 | 32 |
| 95 | Characteristics of 2-6 MeV electrons in the slot region and inner radiation belt. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 31 |
| 96 | Radial gradients of phase space density of the outer radiation belt electrons prior to sudden solar wind pressure enhancements. <i>Geophysical Research Letters</i> , 2008, 35, . | 4.0 | 31 |
| 97 | 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. | | 31 |
| 98 | Multiple discrete-energy ion features in the inner magnetosphere: Observations and simulations. <i>Geophysical Research Letters</i> , 2000, 27, 1447-1450. | 4.0 | 29 |
| 99 | Parametric study of shock-induced transport and energization of relativistic electrons in the magnetosphere. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 29 |
| 100 | Joint responses of geosynchronous magnetic field and relativistic electrons to external changes in solar wind dynamic pressure and interplanetary magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1472-1482. | 2.4 | 29 |
| 101 | THEMIS measurements of quasi-static electric fields in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9939-9951. | 2.4 | 29 |
| 102 | Evolution of relativistic outer belt electrons during an extended quiescent period. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9558-9566. | 2.4 | 28 |
| 103 | Characteristics of the ion pressure tensor in the Earth's magnetosheath. <i>Geophysical Research Letters</i> , 1995, 22, 667-670. | 4.0 | 27 |
| 104 | The effect of surfactants on electrohydrodynamic jet printing and the performance of organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1210-1220. | 2.8 | 27 |
| 105 | On the Acceleration Mechanism of Ultrarelativistic Electrons in the Center of the Outer Radiation Belt: A Statistical Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8590-8599. | 2.4 | 27 |
| 106 | Relativistic Electron Model in the Outer Radiation Belt Using a Neural Network Approach. <i>Space Weather</i> , 2021, 19, e2021SW002808. | 3.7 | 27 |
| 107 | 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. | 1.6 | 26 |
| 108 | Inward diffusion and loss of radiation belt protons. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1969-1978. | 2.4 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Modeling the Quasi-Trapped Electron Fluxes From Cosmic Ray Albedo Neutron Decay (CRAND). <i>Geophysical Research Letters</i> , 2019, 46, 1919-1928. | 4.0 | 26 |
| 110 | Multiple responses of magnetotail to the enhancement and fluctuation of solar wind dynamic pressure and the southward turning of interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 25 |
| 111 | The role of the convection electric field in filling the slot region between the inner and outer radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2051-2068. | 2.4 | 25 |
| 112 | The Acceleration of Ultrarelativistic Electrons During a Small to Moderate Storm of 21 April 2017. <i>Geophysical Research Letters</i> , 2018, 45, 5818-5825. | 4.0 | 25 |
| 113 | Characterization and Evolution of Radiation Belt Electron Energy Spectra Based on the Van Allen Probes Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4217-4232. | 2.4 | 25 |
| 114 | The Effects of Geomagnetic Storms and Solar Wind Conditions on the Ultrarelativistic Electron Flux Enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1948-1965. | 2.4 | 25 |
| 115 | Cosmic Ray Albedo Neutron Decay (CRAND) as a Source of Inner Belt Electrons: Energy Spectrum Study. <i>Geophysical Research Letters</i> , 2019, 46, 544-552. | 4.0 | 25 |
| 116 | Evolution of the dispersionless injection boundary associated with substorms. <i>Annales Geophysicae</i> , 2005, 23, 877-884. | 1.6 | 24 |
| 117 | Mode number calculations of ULF field-line resonances using ground magnetometers and THEMIS measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6986-6997. | 2.4 | 24 |
| 118 | Compression-amplified EMIC waves and their effects on relativistic electrons. <i>Physics of Plasmas</i> , 2016, 23, . | 1.9 | 24 |
| 119 | Electrohydrodynamic (EHD) jet printing of carbon-black composites for solution-processed organic field-effect transistors. <i>Organic Electronics</i> , 2019, 73, 279-285. | 2.6 | 24 |
| 120 | Non-lithographic direct patterning of carbon nanomaterial electrodes via electrohydrodynamic-printed wettability patterns by polymer brush for fabrication of organic field-effect transistor. <i>Applied Surface Science</i> , 2020, 515, 145989. | 6.1 | 24 |
| 121 | On the relationship between electron flux oscillations and ULF wave-driven radial transport. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9306-9319. | 2.4 | 23 |
| 122 | Effect of Low-Frequency Harmonic Magnetosonic Waves on the Radiation Belt Electrons Inside the Plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3390-3401. | 2.4 | 23 |
| 123 | The Relativistic Electron-Proton Telescope (REPT) Investigation: Design, Operational Properties, and Science Highlights. <i>Space Science Reviews</i> , 2021, 217, 1. | 8.1 | 23 |
| 124 | Rapid loss of the plasma sheet energetic electrons associated with the growth of whistler mode waves inside the bursty bulk flows. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7200-7210. | 2.4 | 22 |
| 125 | Van Allen Probes Measurements of Energetic Particle Deep Penetration Into the Low L Region ($L < 4$) During the Storm on 8 April 2016. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,140. | 2.4 | 22 |
| 126 | Modeling the Proton Radiation Belt With Van Allen Probes Relativistic Electron-Proton Telescope Data. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 685-697. | 2.4 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | The <i>Dst</i> index underestimates the solar cycle variation of geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5603-5607. | 2.4 | 21 |
| 128 | Observations at geosynchronous orbit of a persistent Pc5 geomagnetic pulsation and energetic electron flux modulations. <i>Annales Geophysicae</i> , 2007, 25, 1653-1667. | 1.6 | 20 |
| 129 | Observations and analysis of Alfvén wave phase mixing in the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 20 |
| 130 | On the Initial Enhancement of Energetic Electrons and the Innermost Plasmapause Locations: Coronal Mass Ejection-Driven Storm Periods. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9252-9264. | 2.4 | 20 |
| 131 | Colorado Student Space Weather Experiment: Differential Flux Measurements of Energetic Particles in a Highly Inclined Low Earth Orbit. <i>Geophysical Monograph Series</i> , 0, , 385-404. | 0.1 | 19 |
| 132 | Small Mission Accomplished by Students' Big Impact on Space Weather Research. <i>Space Weather</i> , 2013, 11, 55-56. | 3.7 | 19 |
| 133 | On Energetic Electron Dynamics During Geomagnetic Quiet Times in Earth's Inner Radiation Belt due to Atmospheric Collisional Loss and CRAND as a Source. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027678. | 2.4 | 19 |
| 134 | Direct-patterned copper/poly(ethylene oxide) composite electrodes for organic thin-film transistors through cone-jet mode by electrohydrodynamic jet printing. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 85, 269-275. | 5.8 | 19 |
| 135 | Energetic plasma sheet electrons and their relationship with the solar wind: A Cluster and Geotail study. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 18 |
| 136 | Simultaneous event-specific estimates of transport, loss, and source rates for relativistic outer radiation belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3354-3373. | 2.4 | 18 |
| 137 | The Rapid Responses of Magnetosonic Waves to the Compression and Expansion of Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 11,239. | 4.0 | 18 |
| 138 | Spatial structure and temporal evolution of a dayside poloidal ULF wave event. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a. | 4.0 | 17 |
| 139 | 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. | 2.4 | 17 |
| 140 | Detailed characteristics of radiation belt electrons revealed by CSSWE/REPTile measurements: Geomagnetic activity response and precipitation observation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8434-8445. | 2.4 | 16 |
| 141 | Observations of Impulsive Electric Fields Induced by Interplanetary Shock. <i>Geophysical Research Letters</i> , 2018, 45, 7287-7296. | 4.0 | 16 |
| 142 | Comparison of Van Allen Probes Energetic Electron Data With Corresponding GOES-15 Measurements: 2012-2018. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9924-9942. | 2.4 | 16 |
| 143 | Bounded anisotropy fluid model for ion temperature evolution applied to AMPTE/IRM magnetosheath data. <i>Journal of Geophysical Research</i> , 1995, 100, 14925. | 3.3 | 15 |
| 144 | Great geomagnetic storm of 9 November 1991: Association with a disappearing solar filament. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Electron Diffusion by Coexisting Plasmaspheric Hiss and Chorus Waves: Multisatellite Observations and Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088753. | 4.0 | 15 |
| 146 | A parametric study of the source rate for outer radiation belt electrons using a Kalman filter. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 14 |
| 147 | Specification of >2 MeV geosynchronous electrons based on solar wind measurements. <i>Space Weather</i> , 2006, 4, n/a-n/a. | 3.7 | 13 |
| 148 | Statistical Relationship Between Exohiss Waves and Plasmaspheric Hiss. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087023. | 4.0 | 13 |
| 149 | Scalable fabrication of carbon materials based silicon rubber for highly stretchable e-textile sensor. <i>Nanotechnology Reviews</i> , 2020, 9, 1183-1191. | 5.8 | 13 |
| 150 | Using spacecraft measurements ahead of Earth in the Parker spiral to improve terrestrial space weather forecasts. <i>Space Weather</i> , 2011, 9, . | 3.7 | 12 |
| 151 | On energetic electrons (>38 keV) in the central plasma sheet: Data analysis and modeling. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 12 |
| 152 | New technique to calculate electron Alfvén layer and its application in interpreting geosynchronous access of PS energetic electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1675-1683. | 2.4 | 12 |
| 153 | Relation Between Shock-Related Impulse and Subsequent ULF Wave in the Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090027. | 4.0 | 12 |
| 154 | Effects of ULF waves on local and global energetic particles: Particle energy and species dependences. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,007. | 2.4 | 11 |
| 155 | Geomagnetic activity and local time dependence of the distribution of ultra low-frequency wave power in azimuthal wavenumbers, <i>Annals Geophysicae, 2017, 35, 629-638. | 1.6 | 11 |
| 156 | The Effects of Solar Wind Dynamic Pressure Changes on the Substorm Auroras and Energetic Electron Injections on 24 August 2005. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 385-399. | 2.4 | 11 |
| 157 | Ultrawideband Rising-Tone Chorus Waves Observed Inside the Oscillating Plasmopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6670-6678. | 2.4 | 11 |
| 158 | Simulations of Electron Flux Oscillations as Observed by MagEIS in Response to Broadband ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027798. | 2.4 | 11 |
| 159 | The predictability of the magnetosphere and space weather. <i>Eos</i> , 2003, 84, 361. | 0.1 | 10 |
| 160 | Adiabatic effects on radiation belt electrons at low altitude. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 10 |
| 161 | Effect of carbon nanotube addition on mechanical reliability of Ag nanowire network. <i>Materials Letters</i> , 2017, 198, 202-205. | 2.6 | 10 |
| 162 | An improved forecast system for relativistic electrons at geosynchronous orbit. <i>Space Weather</i> , 2011, 9, . | 3.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 163 | Facile method for enhancing conductivity of printed carbon nanotubes electrode via simple rinsing process. <i>Organic Electronics</i> , 2017, 47, 174-180. | 2.6 | 9 |
| 164 | Dynamics of Energetic Electrons in the Slot Region During Geomagnetically Quiet Times: Losses Due to Wave-Particle Interactions Versus a Source From Cosmic Ray Albedo Neutron Decay (CRAND). <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028042. | 2.4 | 9 |
| 165 | Modeling the Dynamics of Radiation Belt Electrons With Source and Loss Driven by the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028988. | 2.4 | 9 |
| 166 | Observation and simulation of the rapid formation of a new electron radiation belt during March 24, 1991 SSC. <i>AIP Conference Proceedings</i> , 1996, , . | 0.4 | 8 |
| 167 | Tailward leap of multiple expansions of the plasma sheet during a moderately intense substorm: THEMIS observations. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 8 |
| 168 | Sol-Gel-Processed Organic-Inorganic Hybrid for Flexible Conductive Substrates Based on Gravure-Printed Silver Nanowires and Graphene. <i>Polymers</i> , 2019, 11, 158. | 4.5 | 8 |
| 169 | How Sudden, Intense Energetic Electron Enhancements Correlate With the Innermost Plasmapause Locations Under Various Solar Wind Drivers and Geomagnetic Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8992-9002. | 2.4 | 8 |
| 170 | On the Association Between Electron Flux Oscillations and Local Phase Space Density Gradients. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028891. | 2.4 | 8 |
| 171 | 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. | | 8 |
| 172 | Quasi-Trapped Electron Fluxes Induced by NWC Transmitter and CRAND: Observations and Simulations. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 8 |
| 173 | The role of radial transport in accelerating radiation belt electrons. <i>Geophysical Monograph Series</i> , 2006, , 139-149. | 0.1 | 7 |
| 174 | Calculating ultra-low-frequency wave power of the compressional magnetic field vs. ω and time: multi-spacecraft analysis using the Van Allen probes, THEMIS and GOES. <i>Annales Geophysicae</i> , 2016, 34, 565-571. | 1.6 | 7 |
| 175 | New Insights From Long-Term Measurements of Inner Belt Protons (10s of MeV) by SAMPEX, POES, Van Allen Probes, and Simulation Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028198. | 2.4 | 7 |
| 176 | Equatorial Pitch Angle Distributions of 50 keV Electrons in Earth's Inner Magnetosphere: An Empirical Model Based on the Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, . | 2.4 | 7 |
| 177 | Upper Limit of Electron Fluxes Observed in the Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, . | 2.4 | 7 |
| 178 | Van Allen Probes Observations of Multi-MeV Electron Drift-Periodic Flux Oscillations in Earth's Outer Radiation Belt During the March 2017 Event. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029284. | 2.4 | 7 |
| 179 | Cluster observations of energetic electron flux variations within the plasma sheet. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 6 |
| 180 | Design and scientific return of a miniaturized particle telescope onboard the Colorado Student Space Weather Experiment (CSSWE) CubeSat. , 2014, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 181 | Evolution of the storm magnetic field disturbance around Earth's surface and the associated ring current as deduced from multiple ground observatories. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 564-580. | 2.4 | 6 |
| 182 | Competitive Influences of Different Plasma Waves on the Pitch Angle Distribution of Energetic Electrons Inside and Outside Plasmasphere. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 6 |
| 183 | On the Challenges of Measuring Energetic Particles in the Inner Belt: A Geant4 Simulation of an Energetic Particle Detector Instrument, REPTile. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 2.4 | 6 |
| 184 | Dispersionless injection simulations explore auroral substorm origins. <i>Eos</i> , 1999, 80, 405. | 0.1 | 5 |
| 185 | Small Space Weather Research Mission Designed Fully by Students. <i>Space Weather</i> , 2011, 9, n/a-n/a. | 3.7 | 5 |
| 186 | The Day-Night Difference and Geomagnetic Activity Variation of Energetic Electron Fluxes in Region of South Atlantic Anomaly. <i>Space Weather</i> , 2020, 18, e2020SW002479. | 3.7 | 5 |
| 187 | Complementary and Catalytic Roles of Man-Made VLF Waves and Natural Plasma Waves in the Loss of Radiation Belt Electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028879. | 2.4 | 5 |
| 188 | James Van Allen and His Namesake <sc>NASA</sc> Mission. <i>Eos</i> , 2013, 94, 469-470. | 0.1 | 4 |
| 189 | Long-Term Variations of Quasi-Trapped and Trapped Electrons in the Inner Radiation Belt Observed by DEMETER and SAMPEX. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028086. | 2.4 | 4 |
| 190 | Achievements and Lessons Learned From Successful Small Satellite Missions for Space Weather-Oriented Research. <i>Space Weather</i> , 2022, 20, . | 3.7 | 4 |
| 191 | Comparison of energetic electron flux and phase space density in the magnetosheath and in the magnetosphere. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 3 |
| 192 | Multi-Event Studies of Sudden Energetic Electron Enhancements in the Inner Magnetosphere and Its Association With Plasmapause Positions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029769. | 2.4 | 3 |
| 193 | Multi-MeV Electron Dynamics Near the Inner Edge of the Outer Radiation Belt. <i>Geophysical Research Letters</i> , 2021, 48, . | 4.0 | 3 |
| 194 | Ring Current Ion Interaction with Micropulsations. <i>Geophysical Monograph Series</i> , 0, , 469-476. | 0.1 | 2 |
| 195 | Statistics of Multi-MeV Electron Drift-Periodic Flux Oscillations Using Van Allen Probes Observations. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 2 |
| 196 | Energy-dependent Boundaries of Earth's Radiation Belt Electron Slot Region. <i>Astrophysical Journal</i> , 2021, 922, 246. | 4.5 | 2 |
| 197 | Electron Phasespace Density Analysis Based on Test-Particle Simulations of Magnetospheric Compression Events. <i>Geophysical Monograph Series</i> , 2013, , 205-214. | 0.1 | 1 |
| 198 | One year of on-orbit performance of the Colorado Student Space Weather Experiment (CSSWE). , 2014, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 199 | Monitoring the global evolution of the storm ring current and storm indices from confined ground geomagnetic observatories. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 191, 105049. | 1.6 | 1 |
| 200 | Van Allen Belt Punctures and Their Correlation With Solar Wind, Geomagnetic Activity, and ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, . | 2.4 | 1 |
| 201 | Determining the Location of the Dispersionless Injection Boundary During Substorms. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 0 |
| 202 | Simulating the Effects of ULF Waves on Energetic Electron Populations. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 0 |