

Quintin Schiller

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

853
citations

516561

16
h-index

580701

25
g-index

32
all docs

32
docs citations

32
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	An impenetrable barrier to ultrarelativistic electrons in the Van Allen radiation belts. <i>Nature</i> , 2014, 515, 531-534.	13.7	159
2	Upper limit on the inner radiation belt MeV electron intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1215-1228.	0.8	77
3	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.	0.8	68
4	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.	0.8	65
5	Measurement of electrons from albedo neutron decay and neutron density in near-Earth space. <i>Nature</i> , 2017, 552, 382-385.	13.7	50
6	A nonstorm time enhancement of relativistic electrons in the outer radiation belt. <i>Geophysical Research Letters</i> , 2014, 41, 7-12.	1.5	47
7	New conjunctive CubeSat and balloon measurements to quantify rapid energetic electron precipitation. <i>Geophysical Research Letters</i> , 2013, 40, 5833-5837.	1.5	43
8	Radiation belt electron dynamics at low L : Van Allen Probes era versus previous two solar cycles. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5224-5234.	0.8	33
9	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.	1.5	32
10	THEMIS measurements of quasi-static electric fields in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9939-9951.	0.8	29
11	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.	1.5	25
12	Persistent EMIC Wave Activity Across the Nightside Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087009.	1.5	22
13	Quantifying the Contribution of Microbursts to Global Electron Loss in the Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1111-1124.	0.8	20
14	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
15	Small Mission Accomplished by Students' Big Impact on Space Weather Research. <i>Space Weather</i> , 2013, 11, 55-56.	1.3	19
16	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.	0.8	18
17	EMIC Wave-Driven Bounce Resonance Scattering of Energetic Electrons in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2484-2496.	0.8	18
18	SAMPEX observations of the South Atlantic anomaly secular drift during solar cycles 22-24. <i>Space Weather</i> , 2017, 15, 44-52.	1.3	16

#	ARTICLE	IF	CITATIONS
19	Detailed characteristics of radiation belt electrons revealed by CSSWE/REPTile measurements: Geomagnetic activity response and precipitation observation. Journal of Geophysical Research: Space Physics, 2017, 122, 8434-8445.	0.8	16
20	A parametric study of the source rate for outer radiation belt electrons using a Kalman filter. Journal of Geophysical Research, 2012, 117, .	3.3	14
21	The MERIT Onboard the CeREs: A Novel Instrument to Study Energetic Particles in the Earth's Radiation Belts. Journal of Geophysical Research: Space Physics, 2019, 124, 5734-5760.	0.8	12
22	The GTOSat CubeSat: scientific objectives and instrumentation. , 2020, , .		12
23	Observations of Particle Loss due to Injection-Associated Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028503.	0.8	11
24	On the cause of two prompt shock-induced relativistic electron depletion events. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 208-217.	0.6	8
25	Design and scientific return of a miniaturized particle telescope onboard the Colorado Student Space Weather Experiment (CSSWE) CubeSat. , 2014, , .		6
26	On the Challenges of Measuring Energetic Particles in the Inner Belt: A Geant4 Simulation of an Energetic Particle Detector Instrument, REPTile-2. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
27	Evolution of Pitch Angle Distributions of Relativistic Electrons During Geomagnetic Storms: Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028335.	0.8	4
28	Cosmic Ray- and Thermal-Pressure Driven Winds: Does the Milky Way Host a Kpc-Scale Outflow?. EAS Publications Series, 2012, 56, 73-76.	0.3	3
29	One year of on-orbit performance of the Colorado Student Space Weather Experiment (CSSWE). , 2014, , .		1
30	AGILE Instrument: Advanced Energetic Ion Electron Telescope. IEEE Transactions on Nuclear Science, 2022, 69, 811-817.	1.2	0