

SolÃne Lejosne

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

543
citations

686830

13
h-index

642321

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37
all docs

37
docs citations

37
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Time domain structures: What and where they are, what they do, and how they are made. <i>Geophysical Research Letters</i> , 2015, 42, 3627-3638.	1.5	121
2	Direct Observation of Radiation-Belt Electron Acceleration from Electron-Volt Energies to Megavolts by Nonlinear Whistlers. <i>Physical Review Letters</i> , 2014, 113, 035001.	2.9	69
3	Radiation Belt Radial Diffusion at Earth and Beyond. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	45
4	Coordinates for Representing Radiation Belt Particle Flux. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1381-1387.	0.8	32
5	Analytic Expressions for Radial Diffusion. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4278-4294.	0.8	28
6	Deriving electromagnetic radial diffusion coefficients of radiation belt equatorial particles for different levels of magnetic activity based on magnetic field measurements at geostationary orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3147-3156.	0.8	24
7	Energetic Electron Injections Deep Into the Inner Magnetosphere: A Result of the Subauroral Polarization Stream (SAPS) Potential Drop. <i>Geophysical Research Letters</i> , 2018, 45, 3811-3819.	1.5	23
8	The "zebra stripes": An effect of F region zonal plasma drifts on the longitudinal distribution of radiation belt particles. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 507-518.	0.8	21
9	Typical values of the electric drift E/B in the inner radiation belt and slot region as determined from Van Allen Probe measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 12,014.	0.8	21
10	Extremely field-aligned cool electrons in the dayside outer magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 44-51.	1.5	19
11	Pulsating auroras produced by interactions of electrons and time domain structures. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8604-8616.	0.8	17
12	Van Allen Probe measurements of the electric drift E/B at Arcibo's $L=1.4$ field line coordinate. <i>Geophysical Research Letters</i> , 2016, 43, 6768-6774.	1.5	16
13	Subauroral Polarization Streams (SAPS) Duration as Determined From Van Allen Probe Successive Electric Drift Measurements. <i>Geophysical Research Letters</i> , 2017, 44, 9134-9141.	1.5	16
14	Bounce-averaged approach to radial diffusion modeling: From a new derivation of the instantaneous rate of change of the third adiabatic invariant to the characterization of the radial diffusion process. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	12
15	Saturn's Inner Magnetospheric Convection in the View of Zebra Stripe Patterns in Energetic Electron Spectra. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029600.	0.8	10
16	Experimental Determination of the Conditions Associated With "Zebra Stripe" Pattern Generation in the Earth's Inner Radiation Belt and Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027889.	0.8	8
17	Magnetic Activity Dependence of the Electric Drift Below $L = 3$. <i>Geophysical Research Letters</i> , 2018, 45, 3775-3782.	1.5	7
18	Shorting Factor In-flight Calibration for the Van Allen Probes DC Electric Field Measurements in the Earth's Plasmasphere. <i>Earth and Space Science</i> , 2019, 6, 646-654.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Radial Transport Versus Local Acceleration: The Long-Running Debate. <i>Earth and Space Science</i> , 2022, 9, .	1.1	7
20	Electromagnetic Radial Diffusion in the Earth's Radiation Belts as Determined by the Solar Wind Immediate Time History and a Toy Model for the Electromagnetic Fields. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027893.	0.8	6
21	Thermospheric Neutral Winds as the Cause of Drift Shell Distortion in Earth's Inner Radiation Belt. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	6
22	Inversion of the Energetic Electron "Zebra Stripe" Pattern Present in the Earth's Inner Belt and Slot Region: First Observations and Interpretation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088564.	1.5	5
23	Radial Diffusion of Planetary Radiation Belts' Particles by Fluctuations with Finite Correlation Time. <i>Astrophysical Journal</i> , 2021, 912, 142.	1.6	5
24	An algorithm for approximating the L^* invariant coordinate from the real-time tracing of one magnetic field line between mirror points. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6405-6416.	0.8	3
25	Model-observation comparison for the geographic variability of the plasma electric drift in the Earth's innermost magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 7634-7642.	1.5	3
26	The PAC2MAN mission: a new tool to understand and predict solar energetic events. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A5.	1.1	2
27	Reply to Comment by Nishimura Et Al.. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2071.	0.8	2
28	Radial Transport of Energetic Electrons as Determined From the "Zebra Stripes" Measured in the Earth's Inner Belt and Slot Region. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	2
29	Maximizing the Accuracy of Double Probe Electric Field Measurements Near Perigee: The Case of the Van Allen Probes Instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
30	Estimating Inner Magnetospheric Radial Diffusion Using a Hybrid-Vlasov Simulation. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	2
31	Grotifer: A new electric field instrument design to address the need for highly accurate three-component electric field measurements. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	0