

S V Dubyagin

List of Publications by Year in descending order

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30
papers

691
citations

567281

15
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552781

26
g-index

31
all docs

31
docs citations

31
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Can flow bursts penetrate into the inner magnetosphere?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	93
2	Current Systems in the Earth's Magnetosphere. <i>Reviews of Geophysics</i> , 2018, 56, 309-332.	23.0	76
3	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015, 33, 1369-1402.	1.6	66
4	Energetic particle injections to geostationary orbit: Relationship to flow bursts and magnetospheric state. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	63
5	Pressure and entropy changes in the flowâ€breaking region during magnetic field dipolarization. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
6	Evidence of near-Earth breakup location. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	45
7	Contribution from different current systems to S_{YM} and S_{AM} midlatitude indices. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7243-7263.	2.4	27
8	Electron Fluxes at Geostationary Orbit From GOES MAGED Data. <i>Space Weather</i> , 2017, 15, 1602-1614.	3.7	24
9	Intense Current Structures Observed at Electron Kinetic Scales in the Nearâ€Earth Magnetotail During Dipolarization and Substorm Current Wedge Formation. <i>Geophysical Research Letters</i> , 2018, 45, 602-611.	4.0	23
10	Constructing the magnetospheric model including pressure measurements. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 4-1.	3.3	21
11	Solar windâ€driven variations of electron plasma sheet densities and temperatures beyond geostationary orbit during storm times. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8343-8360.	2.4	20
12	Formation of 30â€KeV Proton Isotropic Boundaries During Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3436-3459.	2.4	18
13	Geometry of duskside equatorial current during magnetic storm main phase as deduced from magnetospheric and low-altitude observations. <i>Annales Geophysicae</i> , 2013, 31, 395-408.	1.6	17
14	Validation of Inner Magnetosphere Particle Transport and Acceleration Model (IMPTAM) With Longâ€Term GOES MAGED Measurements of keV Electron Fluxes at Geostationary Orbit. <i>Space Weather</i> , 2019, 17, 687-708.	3.7	17
15	Energyâ€latitude dispersion patterns near the isotropy boundaries of energetic protons. <i>Annales Geophysicae</i> , 2015, 33, 1059-1070.	1.6	16
16	Inner magnetosphere currents during the CIR/HSS storm on July 21â€23, 2009. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
17	Superthermal Proton and Electron Fluxes in the Plasma Sheet Transition Region and Their Dependence on Solar Wind Parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028580.	2.4	14
18	How to distinguish between kink and sausage modes in flapping oscillations?. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3002-3015.	2.4	13

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19	Worst-Case Severe Environments for Surface Charging Observed at LANL Satellites as Dependent on Solar Wind and Geomagnetic Conditions. <i>Space Weather</i> , 2021, 19, e2021SW002732.	3.7	13
20	Testing the magnetotail configuration based on observations of low-altitude isotropic boundaries during quiet times. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,557.	2.4	10
21	Storm time duskside equatorial current and its closure path. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5616-5625.	2.4	8
22	Conditions of Loss Cone Filling by Scattering on the Curved Field Lines for 30-keV Protons During Geomagnetic Storm as Inferred From Numerical Trajectory Tracing. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	7
23	Simulations of the inner magnetospheric energetic electrons using the IMPTAM-VERB coupled model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 191, 105050.	1.6	6
24	On the Accuracy of Reconstructing Plasma Sheet Electron Fluxes From Temperature and Density Models. <i>Space Weather</i> , 2019, 17, 1704-1719.	3.7	5
25	Isolated nighttime substorms and morning geomagnetic Pc5 pulsations from ground-based and satellite (THEMIS) observations. <i>Geomagnetism and Aeronomy</i> , 2013, 53, 613-625.	0.8	4
26	Relations Between v_z and B_x Components in Solar Wind and their Effect on Substorm Onset. <i>Geophysical Research Letters</i> , 2018, 45, 3760-3767.	4.0	4
27	On the Accuracy of Adiabaticity Parameter Estimations Using Magnetospheric Models. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1785-1805.	2.4	4
28	Can ring current stabilize magnetotail during steady magnetospheric convection?. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,528.	2.4	1
29	Equivalent currents associated with morning-sector geomagnetic Pc5 pulsations during auroral substorms. <i>Annales Geophysicae</i> , 2016, 34, 379-392.	1.6	1
30	The Role of Current Sheet Scattering in the Proton Isotropic Boundary Formation During Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3468-3486.	2.4	1