

Ilya L Ovchinnikov

List of Publications by Year in descending order

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29
papers

332
citations

840776

11
h-index

839539

18
g-index

31
all docs

31
docs citations

31
times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of the Outer Radiation Belt during Geomagnetic Storms and the Adiabatic Mechanism of the Rise and Fall of Relativistic Electron Fluxes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2021, 85, 309-313.	0.6	1
2	Influence of MHD Turbulence on Ion Kappa Distributions in the Earth's Plasma Sheet as a Function of Plasma β^2 Parameter. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	2.8	1
3	Ion Kappa Distribution Parameters in the Magnetosphere of the Earth at Geocentric Distances Smaller Than 20 R_E During Quiet Geomagnetic Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029409.	2.4	4
4	Spectra and Pitch-Angular Distributions of Relativistic Electrons Near the Outer Radiation Belt Maximum During the Magnetic Storm of December 19â€“22, 2015. <i>Geomagnetism and Aeronomy</i> , 2019, 59, 651-659.	0.8	4
5	Structure of magnetospheric current systems and mapping of high latitude magnetospheric regions to the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 177, 103-114.	1.6	26
6	Processes in auroral oval and outer electron radiation belt. <i>Earth, Planets and Space</i> , 2018, 70, 127.	2.5	13
7	Turbulent transport of the Earth magnetosphere: Review of the results of observations and modeling. <i>Geomagnetism and Aeronomy</i> , 2017, 57, 655-663.	0.8	8
8	Characteristics of plasma ring, surrounding the Earth at geocentric distances $\sim 10 R_E$, and magnetospheric current systems. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 99, 85-91.	1.6	37
9	Enhanced energetic electron fluxes at the region of the auroral oval during quiet geomagnetic conditions November 2009. <i>Advances in Space Research</i> , 2012, 50, 623-631.	2.6	7
10	Local particle traps in the high latitude magnetosphere and the acceleration of relativistic electrons. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1465-1471.	1.6	14
11	The database of observational results at PRAO ASC LPI sites and onâ€“line preâ€“processing of the data by their monitoring in the database. , 2010, , .		0
12	High latitude magnetospheric topology and magnetospheric substorm. <i>Annales Geophysicae</i> , 2009, 27, 4069-4073.	1.6	22
13	Topology of the high latitude magnetosphere during large magnetic storms and the main mechanisms of relativistic electron acceleration. <i>Advances in Space Research</i> , 2009, 43, 628-633.	2.6	25
14	Topology of currents in the high-latitude magnetosphere and magnetospheric response to variations in solar wind parameters. <i>Geomagnetism and Aeronomy</i> , 2009, 49, 1172-1175.	0.8	0
15	Spatial variation of eddy-diffusion coefficients in the turbulent plasma sheet during substorms. <i>Annales Geophysicae</i> , 2009, 27, 1407-1411.	1.6	28
16	Variation of the plasma turbulence in the central plasma sheet during substorm phases observed by the interball/tail satellite. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 1815-1820.	1.6	13
17	Reconnection in the conditions of developed turbulence. <i>Advances in Space Research</i> , 2002, 29, 1063-1068.	2.6	6
18	Plasma sheet heating during substorm and the values of the plasma sheet diffusion coefficient obtained on the base of interball/tail probe observations. <i>Advances in Space Research</i> , 2002, 30, 1821-1824.	2.6	3

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19	Plasma sheet coefficient of diffusion: Predictions and observations. <i>Advances in Space Research</i> , 2002, 30, 2689-2694.	2.6	2
20	Title is missing!. <i>Cosmic Research</i> , 2002, 40, 521-528.	0.6	3
21	The model of turbulent plasma sheet during IMF Bz > 0. <i>Advances in Space Research</i> , 2001, 28, 1747-1752.	2.6	12
22	Title is missing!. <i>Cosmic Research</i> , 2000, 38, 557-561.	0.6	14
23	Medium scale magnetospheric turbulence and quasi three-dimensional plasma sheet modeling. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2000, 25, 35-38.	0.2	0
24	Plasma sheet electron temperature distribution and particle dynamics. <i>Advances in Space Research</i> , 1999, 23, 1757-1760.	2.6	0
25	Chaotization of particle motion in regular inhomogeneous electric fields. <i>Advances in Space Research</i> , 1999, 23, 1731-1734.	2.6	3
26	Quasi-three dimensional modelling of the plasma sheet including turbulence on medium scales. <i>Advances in Space Research</i> , 1999, 24, 121-124.	2.6	5
27	Generation of unmagnetized motion of plasma sheet electrons and its possible causes. <i>Journal of Geophysical Research</i> , 1999, 104, 19941-19953.	3.3	15
28	Magnetostatically equilibrated plasma sheet with developed medium-scale turbulence: Structure and implications for substorm dynamics. <i>Journal of Geophysical Research</i> , 1999, 104, 17289-17297.	3.3	49
29	Current sheet with medium scale developed turbulence and the formation of the plasma sheet of Earth's magnetosphere and solar prominences. <i>Advances in Space Research</i> , 1997, 19, 1919-1922.	2.6	10