Ilya L Ovchinnikov

List of Publications by Year
in descending order

29	332	840776 11	839539 18
papers	citations	h-index	g-index

31	31	31	151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetostatically equilibrated plasma sheet with developed medium-scale turbulence: Structure and implications for substorm dynamics. Journal of Geophysical Research, 1999, 104, 17289-17297.	3.3	49
2	Characteristics of plasma ring, surrounding the Earth at geocentric distances â^¼7â€“10RE, and magnetospheric current systems. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 99, 85-91.	1.6	37
3	Spatial variation of eddy-diffusion coefficients in the turbulent plasma sheet during substorms. Annales Geophysicae, 2009, 27, 1407-1411.	1.6	28
4	Structure of magnetospheric current systems and mapping of high latitude magnetospheric regions to the ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 103-114.	1.6	26
5	Topology of the high latitude magnetosphere during large magnetic storms and the main mechanisms of relativistic electron acceleration. Advances in Space Research, 2009, 43, 628-633.	2.6	25
6	High latitude magnetospheric topology and magnetospheric substorm. Annales Geophysicae, 2009, 27, 4069-4073.	1.6	22
7	Generation of unmagnetized motion of plasma sheet electrons and its possible causes. Journal of Geophysical Research, 1999, 104, 19941-19953.	3.3	15
8	Title is missing!. Cosmic Research, 2000, 38, 557-561.	0.6	14
9	Local particle traps in the high latitude magnetosphere and the acceleration of relativistic electrons. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1465-1471.	1.6	14
10	Variation of the plasma turbulence in the central plasma sheet during substorm phases observed by the interball/tail satellite. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1815-1820.	1.6	13
11	Processes in auroral oval and outer electron radiation belt. Earth, Planets and Space, 2018, 70, 127.	2.5	13
12	The model of turbulent plasma sheet during IMF Bz > 0. Advances in Space Research, 2001, 28, 1747-1752.	2.6	12
13	Current sheet with medium scale developed turbulence and the formation of the plasma sheet of Earth's magnetosphere and solar prominences. Advances in Space Research, 1997, 19, 1919-1922.	2.6	10
14	Turbulent transport of the Earth magnitisphere: Review of the results of observations and modeling. Geomagnetism and Aeronomy, 2017, 57, 655-663.	0.8	8
15	Enhanced energetic electron fluxes at the region of the auroral oval during quiet geomagnetic conditions November 2009. Advances in Space Research, 2012, 50, 623-631.	2.6	7
16	Reconnection in the conditions of developed turbulence. Advances in Space Research, 2002, 29, 1063-1068.	2.6	6
17	Quasi-three dimensional modelling of the plasma sheet including turbulence on medium scales. Advances in Space Research, 1999, 24, 121-124.	2.6	5
18	Spectra and Pitch-Angular Distributions of Relativistic Electrons Near the Outer Radiation Belt Maximum During the Magnetic Storm of December 19â€“22, 2015. Geomagnetism and Aeronomy, 2019, 59, 651-659.	0.8	4

#	Article	IF	Citations
19	Ion Kappa Distribution Parameters in the Magnetosphere of the Earth at Geocentric Distances Smaller Than 20 R_E During Quiet Geomagnetic Conditions. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029409.	2.4	4
20	Chaotization of particle motion in regular inhomogeneous electric fields. Advances in Space Research, 1999, 23, 1731-1734.	2.6	3
21	Plasma sheet heating during substorm and the values of the plasma sheet diffusion coefficient obtained on the base of interball/tail probe observations. Advances in Space Research, 2002, 30, 1821-1824.	2.6	3
22	Title is missing!. Cosmic Research, 2002, 40, 521-528.	0.6	3
23	Plasma sheet coefficient of diffusion: Predictions and observations. Advances in Space Research, 2002, 30, 2689-2694.	2.6	2
24	Formation of the Outer Radiation Belt during Geomagnetic Storms and the Adiabatic Mechanism of the Rise and Fall of Relativistic Electron Fluxes. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 309-313.	0.6	1
25	Influence of MHD Turbulence on Ion Kappa Distributions in the Earth's Plasma Sheet as a Function of Plasma Î² Parameter. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	1
26	Plasma sheet electron temperature distribution and particle dynamics. Advances in Space Research, 1999, 23, 1757-1760.	2.6	0
27	Medium scale magnetospheric turbulence and quasi three-dimensional plasma sheet modeling. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2000, 25, 35-38.	0.2	0
28	Topology of currents in the high-latitude magnetosphere and magnetospheric response to variations in solar wind parameters. Geomagnetism and Aeronomy, 2009, 49, 1172-1175.	0.8	0
29	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