Alexander A Namgaladze

List of Publications by Year
in descending order

55	730	687335 13	552766 26
papers	citations	h-index	g-index

55	55	55	453
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atmospheric and ionospheric coupling phenomena associated with large earthquakes. European Physical Journal: Special Topics, 2021, 230, 197-225.	2.6	24
2	Seismogenic Disturbances of the Ionosphere During High Geomagnetic Activity. Atmosphere, 2019, 10, 359.	2.3	8
3	Aerosols and seismo-ionosphere coupling: A review. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 171, 83-93.	1.6	16
4	Modeling of the Ionospheric Current System and Calculating Its Contribution to the Earthâ€™s Magnetic Field. Astrophysics and Space Science Library, 2018, , 263-292.	2.7	2
5	Validation of Ionospheric Specifications During Geomagnetic Storms: TEC and foF2 During the 2013 March Storm Event. Space Weather, 2018, 16, 1686-1701.	3.7	22
6	CEDARâ€GEM Challenge for Systematic Assessment of Ionosphere/Thermosphere Models in Predicting TEC During the 2006 December Storm Event. Space Weather, 2017, 15, 1238-1256.	3.7	17
7	Comparison of ionospheric parameters calculated with UAM and measured at Voeykovo observatory. Geomagnetism and Aeronomy, 2016, 56, 604-609.	0.8	1
8	Modeling of the ionospheric and thermospheric effects caused by the vertical electric currents flowing across the ionosphere lower boundary. , 2015, , .		0
9	Conduction current and extraneous electric current in the global electric circuit. Russian Journal of Physical Chemistry B, 2015, 9, 754-757.	1.3	8
10	Community-wide model validation study for systematic assessment of ionosphere models. , 2015, , .		0
11	Latitudinal variations and altitude profiles of ionospheric parameters: Comparison of theoretical and empirical model results. Russian Journal of Physical Chemistry B, 2015, 9, 764-769.	1.3	1
12	Field-aligned currents influence on the ionospheric electric fields: Modification of the Upper Atmosphere model. Russian Journal of Physical Chemistry B, 2015, 9, 758-763.	1.3	7
13	On the ionosphere electric field generation by the seismogenic electric currents. , 2014, , .		0
14	Validation of Lithosphere-Atmosphere-Ionosphere coupling concept by geo space observation of natural and anthropogenic processes. , 2014, , .		1
15	Numerical modeling of the ionosphere and thermosphere disturbances induced by seismogenic electric currents. , 2014, , .		0
16	Effects on the low-latitudinal ionospheric structure of the lower atmosphere dynamics and magnetospheric electric field as produced by the C-IAM. , 2014, , .		0
17	Physical mechanisms responsible for forming the 4-peak longitudinal structure of the 135.6nm ionospheric emission: First results from the Canadian IAM. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 120, 51-61.	1.6	10
18	Using MFACE as input in the UAM to specify the MIT dynamics. Journal of Geophysical Research: Space Physics, 2014, 119, 6704-6714.	2.4	5

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19	Electron density height profiles calculated by the theoretical upper atmosphere model: Comparison with the empirical IRI model. , 2014, , .		0
20	Numerical simulation of the variations in the total electron content of the ionosphere observed before the Haiti earthquake of January 12, 2010. Geomagnetism and Aeronomy, 2013, 53, 522-528.	0.8	18
21	Specific features of ionospheric total electron content variations in the periods of preparation of the earthquakes on March 11, 2011 (Japan) and October 23, 2011 (Turkey). Russian Journal of Physical Chemistry B, 2013, 7, 599-605.	1.3	5
22	Modeling of total electron content disturbances caused by electric currents between the Earth and the ionosphere. Russian Journal of Physical Chemistry B, 2013, 7, 594-598.	1.3	11
23	Modeling of variations of the peak F2 layer electron density and total electron content during the recovery period after the magnetic storm of April 15â€“20, 2002. Russian Journal of Physical Chemistry B, 2013, 7, 606-610.	1.3	0
24	Earthquakes and global electrical circuit. Russian Journal of Physical Chemistry B, 2013, 7, 589-593.	1.3	12
25	Equatorial dayside minimum of the neutral gas density and temperature: Formation mechanism. Geomagnetism and Aeronomy, 2012, 52, 222-228.	0.8	0
26	Mathematical modeling of nighttime enhanced electron density regions in the Earthâ€™s ionospheric F2 layer and plasmasphere. Geomagnetism and Aeronomy, 2012, 52, 368-377.	0.8	5
27	Physical interpretation and mathematical simulation of ionospheric precursors of earthquakes at midlatitudes. Geomagnetism and Aeronomy, 2012, 52, 390-397.	0.8	34
28	Some technospheric manifestations of heliogeophysical disturbances. Herald of the Russian Academy of Sciences, 2012, 82, 63-68.	0.6	1
29	beta-oxidation in macrophages. Experimental and Clinical Endocrinology and Diabetes, 2012, 120, .	1.2	0
30	The TEC signatures as strong seismic event precursors. , 2011, , .		2
31	Ionospheric effects from different seismogenic electric field sources. , 2011, , .		1
32	Weddell Sea Anomaly: Investigation using the global numerical model. , 2011, , .		2
33	High-latitude thermospheric winds: Satellite data and model calculations. Russian Journal of Physical Chemistry B, 2011, 5, 439-446.	1.3	2
34	The influence of ionic temperature on plasmasphere structure formation. Russian Journal of Physical Chemistry B, 2011, 5, 363-368.	1.3	1
35	Chemical physics of the atmosphere and ionosphere. Russian Journal of Physical Chemistry B, 2011, 5, 357-362.	1.3	2
36	Variations in the total electron content of the ionosphere during preparation of earthquakes. Russian Journal of Physical Chemistry B, 2011, 5, 435-438.	1.3	12

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37	Physical mechanism and mathematical modeling of earthquake ionospheric precursors registered in total electron content. Geomagnetism and Aeronomy, 2009, 49, 252-262.	0.8	91
38	High-latitude ionosphere during magnetic storms of October 26, 2003â€“November 1, 2003: Tomographic reconstructions and numerical modeling. Geomagnetism and Aeronomy, 2008, 48, 642-651.	0.8	2
39	Modelling of the ionosphere/thermosphere behaviour during the April 2002 magnetic storms: A comparison of the UAM results with the ISR and NRLMSISE-00 data. Advances in Space Research, 2006, 37, 380-391.	2.6	14
40	Model interpretation of the ionospheric F-region electron density structures observed by ground-based satellite tomography at sub-auroral and auroral latitudes in Russia in Januaryâ€“May 1999. Annales Geophysicae, 2003, 21, 1005-1016.	1.6	4
41	Electron signatures and AlfvÃ©n waves. Journal of Geophysical Research, 2002, 107, SMP 15-1.	3.3	41
42	Analysis of the positive ionospheric response to a moderate geomagnetic storm using a global numerical model. Annales Geophysicae, 2000, 18, 461-477.	1.6	46
43	Thermospheric composition changes deduced from geomagnetic storm modeling. Geophysical Research Letters, 1999, 26, 2625-2628.	4.0	33
44	Seasonal effects in the ionosphere-thermosphere response to the precipitation and field-aligned current variations in the cusp region. Annales Geophysicae, 1998, 16, 1283-1298.	1.6	5
45	Thermospheric meridional winds in the vicinity of the auroral zone: observations and modelling. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 215-226.	1.6	2
46	Modelling turbulent energy dissipation in the high-latitude mesosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 331-336.	1.6	4
47	Numerical simulation of an ionospheric disturbance over EISCAT using a global ionospheric model. Journal of Atmospheric and Solar-Terrestrial Physics, 1996, 58, 297-306.	0.9	10
48	Numerical modelling of the thermospheric and ionospheric effects of magnetospheric processes in the cusp region. Annales Geophysicae, 1996, 14, 1343-1355.	1.6	6
49	Numerical modelling of the thermospheric and ionospheric effects of magnetospheric processes in the cusp region. Annales Geophysicae, 1996, 14, 1343.	1.6	2
50	Models of field-aligned currents needful to simulate the substorm variations of the electric field and other parameters observed by EISCAT. Annales Geophysicae, 1996, 14, 1356.	1.6	2
51	Numerical modelling of the thermosphere-ionosphere-protonosphere system. Journal of Atmospheric and Solar-Terrestrial Physics, 1991, 53, 1113-1124.	0.9	86
52	Discussion of the physical mechanism of formation of one type of stratification of the F2 region of the equatorial ionosphere. Radiophysics and Quantum Electronics, 1989, 32, 705-708.	0.5	0
53	Global model of the thermosphere-ionosphere-protonosphere system. Pure and Applied Geophysics, 1988, 127, 219-254.	1.9	135
54	Periods of the Magnetospheric Oscillations and the Plasma Density. Journal of Geomagnetism and Geoelectricity, 1970, 22, 383-391.	0.9	11

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55	Numerical modeling of solar wind influences on the dynamics of the high-latitude upper atmosphere. Advances in Radio Science, 0, 10, 299-312.	0.7	6