Viacheslav A Pilipenko

List of Publications by Year
in descending order

175	2,348	236612	344852
papers	citations	25 h-index	36 g-index

189	189	189	1394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetohydrodynamic Oscillations in the Solar Corona and Earthâ€™s Magnetosphere: Towards Consolidated Understanding. Space Science Reviews, 2016, 200, 75-203.	3.7	160
2	In search of a new ULF wave index: Comparison of Pc5 power with dynamics of geostationary relativistic electrons. Planetary and Space Science, 2007, 55, 755-769.	0.9	82
3	Impulsive disturbances of the geomagnetic field as a cause of induced currents of electric power lines. Journal of Space Weather and Space Climate, 2019, 9, A18.	1.1	56
4	Characterizing the long-period ULF response to magnetic storms. Journal of Geophysical Research, 2003, 108, .	3.3	54
5	Thermospheric damping response to sheathâ€enhanced geospace storms. Geophysical Research Letters, 2013, 40, 1263-1267.	1.5	53
6	Statistical relationships between satellite anomalies at geostationary orbit and high-energy particles. Advances in Space Research, 2006, 37, 1192-1205.	1.2	52
7	Auroral Omega Bands are a Significant Cause of Large Geomagnetically Induced Currents. Geophysical Research Letters, 2020, 47, e2019GL086677.	1.5	43
8	On the ballooning instability of the coupled AlfvÃ©n and drift compressional modes. Earth, Planets and Space, 2012, 64, 777-781.	0.9	38
9	Multiâ€instrument observations from Svalbard of a traveling convection vortex, electromagnetic ion cyclotron wave burst, and proton precipitation associated with a bow shock instability. Journal of Geophysical Research: Space Physics, 2013, 118, 2975-2997.	0.8	38
10	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multipleâ€Instrument Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 7459-7476.	0.8	35
11	Magnetosonic resonance in a dipole-like magnetosphere. Annales Geophysicae, 2006, 24, 2277-2289.	0.6	30
12	Modulation of total electron content by ULF Pc5 waves. Journal of Geophysical Research: Space Physics, 2014, 119, 4358-4369.	0.8	30
13	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 1. Survey and Statistical Analysis. Journal of Geophysical Research: Space Physics, 2019, 124, 7442-7458.	0.8	30
14	Characteristics of the variability of a geomagnetic field for studying the impact of the magnetic storms and substorms on electrical energy systems. Izvestiya, Physics of the Solid Earth, 2018, 54, 52-65.	0.2	29
15	Ground geomagnetic field and GIC response to March 17, 2015, storm. Earth, Planets and Space, 2018, 70, .	0.9	28
16	Alfven resonator in the topside ionosphere beneath the auroral acceleration region. Journal of Geophysical Research, 2002, 107, SMP 21-1.	3.3	27
17	ULF impulsive magnetic response at mid-latitudes to lightning activity. Earth, Planets and Space, 2011, 63, 119-128.	0.9	27
18	Investigating the IMF cone angle control of Pc3â€4 pulsations observed on the ground. Journal of Geophysical Research: Space Physics, 2014, 119, 1797-1813.	0.8	27

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19	ULF Pc5-6 magnetic activity in the polar cap as observed along a geomagnetic meridian in Antarctica. Journal of Geophysical Research, 2002, 107, SMP 22-1-SMP 22-12.	3.3	26
20	Field-aligned structure of poloidal AlfvÃ©n waves in a finite pressure plasma. Annales Geophysicae, 2009, 27, 3875-3882.	0.6	26
21	Dispersion relation for ballooning modes and condition of their stability in the near-earth plasma. Geomagnetism and Aeronomy, 2012, 52, 603-612.	0.2	26
22	Electric field signatures of the IAR and Schumann resonance in the upper ionosphere detected by Chibis-M microsatellite. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 117, 81-87.	0.6	26
23	Space weather impact on ground-based technological systems. SolneÄ•no-zemnaÃ¢ Fizika, 2021, 7, 68-104.	0.2	26
24	The Mechanisms of Damping of Geomagnetic Pulsations.. Journal of Geomagnetism and Geoelectricity, 1995, 47, 163-176.	0.8	25
25	Distortion of the ULF wave spatial structure upon transmission through the ionosphere. Journal of Geophysical Research, 2000, 105, 21225-21236.	3.3	25
26	ULF wave damping in the auroral acceleration region. Journal of Geophysical Research, 2001, 106, 6203-6212.	3.3	25
27	Structure of ULF Pc3 waves at low altitudes. Journal of Geophysical Research, 2008, 113, .	3.3	25
28	Structure of disturbances in the dayside and nightside ionosphere during periods of negative interplanetary magnetic fieldBz. Journal of Geophysical Research, 1999, 104, 28019-28039.	3.3	24
29	Influence of ionospheric conductivity on mid-latitude Pc 3â€“4 pulsations. Earth, Planets and Space, 1999, 51, 129-138.	0.9	24
30	Statistical Correlation of the Rate of Failures on Geosynchronous Satellites with Fluxes of Energetic Electrons and Protons. Cosmic Research, 2005, 43, 179-185.	0.2	23
31	Electric field of the power terrestrial sources observed by microsatellite Chibisâ€M in the Earth's ionosphere in frequency range 1â€“60â€‰Hz. Geophysical Research Letters, 2015, 42, 5686-5693.	1.5	23
32	Long-period magnetic activity during the May 15, 1997 storm. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 489-501.	0.6	22
33	Determining the key drivers of magnetospheric Pc5 wave power. Journal of Geophysical Research, 2010, 115, .	3.3	22
34	Frequency-dependent polarization characteristics of Pc1 geomagnetic pulsations observed by multipoint ground stations at low latitudes. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	22
35	Global Pc5 pulsations during strong magnetic storms: excitation mechanisms and equatorward expansion. Annales Geophysicae, 2014, 32, 319-331.	0.6	22
36	Spatial scale of geomagnetic Pc5/Pi3 pulsations as a factor of their efficiency in generation of geomagnetically induced currents. Earth, Planets and Space, 2021, 73, .	0.9	22

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37	Generation of magnetic and particle Pc5 pulsations during the recovery phase of strong magnetic storms. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 3363-3390.	1.0	21
38	Impulsive Coupling Between the Atmosphere and Ionosphere/Magnetosphere. Space Science Reviews, 2012, 168, 533-550.	3.7	21
39	Interaction of magnetospheric AlfvÃ©n waves with the ionosphere in the Pc1 frequency band. Journal of Geophysical Research: Space Physics, 2016, 121, 321-337.	0.8	20
40	The chain response of the magnetospheric and ground magnetic field to interplanetary shocks. Journal of Geophysical Research: Space Physics, 2015, 120, 157-165.	0.8	19
41	Modeling the highâ€latitude ground response to the excitation of the ionospheric MHD modes by atmospheric electric discharge. Journal of Geophysical Research: Space Physics, 2016, 121, 11,282.	0.8	19
42	Statistical relationships between variations of the geomagnetic field, auroral electrojet, and geomagnetically induced currents. SolneÄ•no-zemnaÃ¢ Fizika, 2019, 5, 35-42.	0.2	19
43	Coupling between field-aligned current impulses and Pi1 noise bursts. Journal of Geophysical Research, 1999, 104, 17419-17430.	3.3	17
44	ULF waves at very high latitudes. Geophysical Monograph Series, 2006, , 137-156.	0.1	17
45	Determination of the wave mode contribution into the ULF pulsations from combined radar and magnetometer data: Method of apparent impedance. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 77, 85-95.	0.6	17
46	Associating ground magnetometer observations with current or voltage generators. Journal of Geophysical Research: Space Physics, 2017, 122, 7130-7141.	0.8	17
47	Equatorward propagating auroral arcs driven by ULF wave activity: Multipoint groundâ€•and spaceâ€based observations in the dusk sector auroral oval. Journal of Geophysical Research: Space Physics, 2017, 122, 5591-5605.	0.8	17
48	Geomagnetic and Ionospheric Responses to the Interplanetary Shock Wave of March 17, 2015. Izvestiya, Physics of the Solid Earth, 2018, 54, 721-740.	0.2	17
49	ULF wave power index for space weather and geophysical applications: A review. Russian Journal of Earth Sciences, 2017, 17, 1-13.	0.2	17
50	On the theory of field line resonances in plasma configurations. Physics of Plasmas, 1995, 2, 527-532.	0.7	16
51	Spatial structure of the electromagnetic field inside the ionospheric AlfvÃ©n resonator excited by atmospheric lightning activity. Journal of Geophysical Research, 2012, 117, .	3.3	16
52	ULF wave modulation of the ionospheric parameters: Radar and magnetometer observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 108, 68-76.	0.6	16
53	Modulation of the ionosphere by Pc5 waves observed simultaneously by GPS/TEC and EISCAT. Earth, Planets and Space, 2016, 68, .	0.9	15
54	Transmission of a Magnetospheric Pc1 Wave Beam Through the Ionosphere to the Ground. Journal of Geophysical Research: Space Physics, 2018, 123, 3965-3982.	0.8	15

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55	Interhemispheric Comparisons of Large Nighttime Magnetic Perturbation Events Relevant to GICs. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028128.	0.8	15
56	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 3. Occurrence and Amplitude as Functions of Magnetic Latitude, Local Time, and Magnetic Disturbance Indices. Space Weather, 2021, 19, e2020SW002526.	1.3	15
57	Magnetospheric ULF Wave Phenomena Stimulated by SSC.. Journal of Geomagnetism and Geoelectricity, 1997, 49, 1179-1195.	0.8	15
58	Alfven wave reflection in a curvilinear magnetic field and formation of Alfvenic resonators on open field lines. Journal of Geophysical Research, 2005, 110, .	3.3	14
59	Character of turbulence in the boundary regions of the Earthâ€™s magnetosphere. Geomagnetism and Aeronomy, 2012, 52, 445-455.	0.2	14
60	Ionospheric propagation of magnetohydrodynamic disturbances from the equatorial electrojet. Journal of Geophysical Research, 1999, 104, 4329-4336.	3.3	13
61	Near-equatorial Pi2 and Pc3 waves observed by CHAMP and on SAMBA/MAGDAS stations. Advances in Space Research, 2015, 55, 1180-1189.	1.2	13
62	On the magnetic precursor of the Chilean earthquake of February 27, 2010. Geomagnetism and Aeronomy, 2015, 55, 219-222.	0.2	13
63	GPSâ€“TEC response to the substorm onset during April 5, 2010, magnetic storm. GPS Solutions, 2017, 21, 927-936.	2.2	13
64	Interplanetary Shock Impact Angles Control Magnetospheric ULF Wave Activity: Wave Amplitude, Frequency, and Power Spectra. Geophysical Research Letters, 2020, 47, e2020GL090857.	1.5	13
65	Poleward progressing quasiperiodic disturbances at cusp latitudes: The role of wave processes. Journal of Geophysical Research, 2000, 105, 27569-27587.	3.3	12
66	Electric and magnetic fields generated by electrokinetic processes in a conductive crust. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 793-799.	0.2	12
67	Modeling diurnal variations of the IAR parameters. Acta Geodaetica Et Geophysica, 2016, 51, 597-617.	0.7	12
68	Geomagnetically Induced Currents and Space Weather: Pi3 Pulsations and Extreme Values of Time Derivatives of the Geomagnetic Fieldâ€™s Horizontal Components. Izvestiya, Physics of the Solid Earth, 2018, 54, 749-763.	0.2	12
69	ULF Electromagnetic Field in the Upper Ionosphere Excited by Lightning. Journal of Geophysical Research: Space Physics, 2018, 123, 6692-6702.	0.8	12
70	Electromagnetic Field in the Upper Ionosphere From ELF Groundâ€Based Transmitter. Journal of Geophysical Research: Space Physics, 2019, 124, 8066-8080.	0.8	12
71	Modeling ELF Electromagnetic Field in the Upper Ionosphere From Power Transmission Lines. Radio Science, 2020, 55, e2019RS006943.	0.8	12
72	Gradient and Polarization Methods of Ground-Based Monitoring of Magnetospheric Plasma.. Journal of Geomagnetism and Geoelectricity, 1995, 47, 1293-1309.	0.8	12

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73	SECS Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029839.	0.8	12
74	Strong atmospheric disturbances as a possible origin of inner zone particle diffusion. Annales Geophysicae, 1999, 17, 526-532.	0.6	11
75	Magnetohydrodynamic waveguide/resonator for Pc3 ULF pulsations at cusp latitudes. Earth, Planets and Space, 1999, 51, 441-448.	0.9	11
76	Alfven wave modulation of the auroral acceleration region. Earth, Planets and Space, 2004, 56, 649-661.	0.9	11
77	ULF Waves in the Topside Ionosphere: Satellite Observations and Modeling. , 2011, , 257-269.		11
78	Are dayside long-period pulsations related to the cusp?. Annales Geophysicae, 2015, 33, 395-404.	0.6	11
79	Suppression of resonant field line oscillations by a turbulent background. Planetary and Space Science, 2007, 55, 694-700.	0.9	10
80	Spatial distribution of spectral parameters of high latitude geomagnetic disturbances in the Pc5/Pi3 frequency range. Annales Geophysicae, 2010, 28, 1761-1775.	0.6	10
81	Longitudinal structure of ballooning MHD disturbances in a model magnetosphere. Cosmic Research, 2014, 52, 175-184.	0.2	10
82	Transient Oscillations Near the Dayside Openâ€Closed Boundary: Evidence of Magnetopause Surface Mode?. Journal of Geophysical Research: Space Physics, 2019, 124, 9058-9074.	0.8	10
83	Comparing Three Approaches to the Inducing Source Setting for the Ground Electromagnetic Field Modeling due to Space Weather Events. Space Weather, 2021, 19, e2020SW002657.	1.3	10
84	Fine structure of substorm and geomagnetically induced currents. Annals of Geophysics, 2019, 62, .	0.5	10
85	Impact of typhoon Vongfong 2014 on the ionosphere and geomagnetic field according to Swarm satellite data: 1. Wave disturbances of ionospheric plasma. SolneÃno-zemnaÃ¢ Fizika, 2019, 5, 101-108.	0.2	10
86	Statistical relations between the probability of occurrence of Pc3-4 pulsations at high latitudes in the antarctic regions and the solar wind and IMF parameters. Geomagnetism and Aeronomy, 2007, 47, 205-215.	0.2	9
87	Pi2 pulsation simultaneously observed in the E and F region ionosphere with the SuperDARN Hokkaido radar. Journal of Geophysical Research: Space Physics, 2014, 119, 3444-3462.	0.8	9
88	Modulation of total electron content by global Pc5 waves at low latitudes. Advances in Space Research, 2016, 57, 309-319.	1.2	9
89	Space-Weather-Driven Geomagnetic- and Telluric-Field Variability in Northwestern Russia in Correlation with Geoelectrical Structure and Currents Induced in Electric-Power Grids. Izvestiya - Atmospheric and Oceanic Physics, 2019, 55, 1639-1658.	0.2	9
90	Electromagnetic Fields of Magnetospheric ULF Disturbances in the Ionosphere: Current/Voltage Dichotomy. Journal of Geophysical Research: Space Physics, 2019, 124, 109-121.	0.8	9

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91	Geomagnetic and Telluric Field Variability as a Driver of Geomagnetically Induced Currents. Springer Proceedings in Earth and Environmental Sciences, 2020, , 297-307.	0.2	9
92	A technique for detection of ULF Pc3 waves and their statistical analysis. Russian Journal of Earth Sciences, 2018, 18, 1-13.	0.2	9
93	Short-term forecast of the auroral oval position on the basis of the ``virtual globe'' technology. Russian Journal of Earth Sciences, 2020, 20, 1-9.	0.2	9
94	Upstreamâ€generated Pc3 ULF wave signatures observed near the Earth's cusp. Journal of Geophysical Research, 2012, 117, .	3.3	8
95	Generation of resonant AlfvÃ©n waves in the auroral oval. Annales Geophysicae, 2016, 34, 241-248.	0.6	8
96	Periodic Modulation of the Upper Ionosphere by ULF Waves as Observed Simultaneously by SuperDARN Radars and GPS/TEC Technique. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028032.	0.8	8
97	Possible relation of emergencies during spacecraft launches from the Plesetsk site to high-latitude geomagnetic disturbances. Geomagnetism and Aeronomy, 2009, 49, 104-109.	0.2	7
98	An analytical model for Doppler frequency variations of ionospheric HF sounding caused by SSC. Journal of Geophysical Research, 2010, 115, .	3.3	7
99	Statistical study of the effect of ULF fluctuations in the IMF on the cross polar cap potential drop for northward IMF. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	7
100	Pc5/Pi3 Geomagnetic Pulsations and Geomagneticslly Induced Currents. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 329-333.	0.1	7
101	Superposed Epoch Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029465.	0.8	7
102	Electromagnetic pollution of near-Earth space by power line emission. SolneÄno-zemnaÃ¢ Fizika, 2021, 7, 105-113.	0.2	7
103	Electromagnetic Response of the Midâ€Latitude Ionosphere to Power Transmission Lines. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029659.	0.8	7
104	Correspondence between the ULF wave power spatial distribution and auroral oval boundaries. SolneÄno-zemnaÃ¢ Fizika, 2016, 2, 35-45.	0.2	7
105	Statistical relationships between variations of the geomagnetic field, auroral electrojet, and geomagnetically induced currents. SolneÄno-zemnaÃ¢ Fizika, 2019, 5, 48-58.	0.2	7
106	An Approach to Diagnostics of Geomagnetically Induced Currents Based on Ground Magnetometers Data. Applied Sciences (Switzerland), 2022, 12, 1522.	1.3	7
107	Interaction of propagating magnetosonic and AlfvÃ©n waves in a longitudinally inhomogeneous plasma. Journal of Geophysical Research, 2008, 113, .	3.3	6
108	The mechanism of mid-latitude Pi2 waves in the upper ionosphere as revealed by combined Doppler and magnetometer observations. Annales Geophysicae, 2013, 31, 689-695.	0.6	6

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109	Identification of Vortex Currents in the Ionosphere and Estimation of Their Parameters Based on Ground Magnetic Data. Geomagnetism and Aeronomy, 2020, 60, 559-569.	0.2	6
110	Coupling between Substorms and ULF Disturbances in the Dayside Cusp. Astrophysics and Space Science Library, 1998, , 573-576.	1.0	6
111	Magnetic effects due to earthquakes and underground explosions: a review. Annals of Geophysics, 1997, 40, .	0.5	6
112	Interactive computer model for aurora forecast and analysis. SolneÄ•no-zemnaÃ¢ Fizika, 2022, 8, 84-90.	0.2	6
113	Statistical Study of EMIC Wave Propagation Using Spaceâ€Ground Conjugate Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
114	Hydromagnetic spectroscopy of the magnetosphere with Pc3 geomagnetic pulsations along the 210Â° meridian. Annales Geophysicae, 1999, 17, 53-65.	0.6	5
115	Space-time structure of ion-cyclotron waves in the topside ionosphere as observed onboard the ST-5 satellites. Cosmic Research, 2012, 50, 329-339.	0.2	5
116	IAR signatures in the ionosphere: Modeling and observations at the Chibis-M microsatellite. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 154, 217-225.	0.6	5
117	Possible mechanisms of co-seismic electromagnetic effect. Acta Geodaetica Et Geophysica, 2018, 53, 157-170.	0.7	5
118	Space weather impact on ground-based technological systems. SolneÄ•no-zemnaÃ¢ Fizika, 2021, , 72-110.	0.1	5
119	Hydromagnetic spectroscopy of the magnetosphere with Pc3 geomagnetic pulsations along the 210Â° meridian. Annales Geophysicae, 1999, 17, 53.	0.6	5
120	Correspondence between the ULF wave power spatial distribution and auroral oval boundaries. SolneÄ•no-zemnaÃ¢ Fizika, 2016, 2, 46-65.	0.2	5
121	Control of high latitude geomagnetic fluctuations by interplanetary parameters: the role of suprathermal ions. Annales Geophysicae, 2007, 25, 1037-1047.	0.6	5
122	INFLUENCE OF THE VONGFONG 2014 HURRICANE ON THE IONOSPHERE AND GEOMAGNETIC FIELD AS DETECTED BY SWARM SATELLITES: 2. GEOMAGNETIC DISTURBANCES. SolneÄ•no-zemnaÃ¢ Fizika, 2019, 5, 74-80.	0.2	5
123	Emission of alfvÃ©n waves from a nonuniform MHD waveguide. Plasma Physics Reports, 2001, 27, 773-784.	0.3	4
124	Generation of magnetic field Pc5 pulsations and particle fluxes during the recovery phase of a magnetic storm on October 31, 2003. Geomagnetism and Aeronomy, 2011, 51, 599-619.	0.2	4
125	Fine structure of Pi2-type geomagnetic pulsations. Geomagnetism and Aeronomy, 2011, 51, 584-598.	0.2	4
126	Nighttime Pc3 pulsations: MM100 and MAGDAS observations. Earth, Planets and Space, 2017, 69, .	0.9	4

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127	Non-triggered auroral substorms and long-period (1â€“4â€¯mHz) geomagnetic and auroral luminosity pulsations in the polar cap. Annales Geophysicae, 2017, 35, 365-376.	0.6	4
128	Evaluating the Effect of Geoinduced Currents on the Startup Modes of Power Transformers1. Power Technology and Engineering, 2020, 54, 285-290.	0.1	4
129	System for dynamic visualization of geomagnetic disturbances according to the data of ground magnetic stations. Scientific Visualization, 2021, 13, .	0.2	4
130	Suppression of the dayside magnetopause surface modes. SolneÄ•no-zemnaÃ¢ Fizika, 2017, , 17-25.	0.2	4
131	Monitoring of Geomagnetic and Telluric Field Disturbances in the Russian Arctic. Applied Sciences (Switzerland), 2022, 12, 3755.	1.3	4
132	Interaction of AlfvÃ©n front with the plasma anomalous resistance layer. Journal of Plasma Physics, 2007, 73, 241-256.	0.7	3
133	Periodic modulation of Pc3 and Pc4 pulsations in the polar cap by interplanetary and atmospheric processes. Geomagnetism and Aeronomy, 2008, 48, 307-313.	0.2	3
134	Excitation of Pc5 pulsations of the geomagnetic field and riometric absorption. Cosmic Research, 2010, 48, 319-334.	0.2	3
135	Global stability of the ballooning mode in a cylindrical model. Geomagnetism and Aeronomy, 2013, 53, 448-456.	0.2	3
136	Spatial structure of Pc5 waves in the outer magnetosphere according to observations onboard the THEMIS satellites. Cosmic Research, 2013, 51, 165-176.	0.2	3
137	Spectral signatures of the ionospheric AlfvÃ©n resonator to be observed by lowâ€Earth orbit satellite. Journal of Geophysical Research: Space Physics, 2016, 121, 2783-2794.	0.8	3
138	Features of Pc5 pulsations in the geomagnetic field, auroral luminosity, and Riometer absorption. Geomagnetism and Aeronomy, 2016, 56, 42-58.	0.2	3
139	ULF electromagnetic noise from regional lightning activity: Model and observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 182, 223-228.	0.6	3
140	Ionospheric and geomagnetic Pc5 oscillations as observed by the ionosonde and magnetometer at SodankylÃ. Advances in Space Research, 2019, 63, 2052-2065.	1.2	3
141	Incidence of Alfvenic SC Pulse Onto the Conjugate Ionospheres. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027397.	0.8	3
142	Low-Latitude Pi2 Waves according to Observations on SWARM Satellites and Ground Stations. Cosmic Research, 2020, 58, 1-11.	0.2	3
143	Conjugate Properties of Magnetospheric Pc5 Waves: Antarcticaâ€Greenland Comparison. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028048.	0.8	3
144	Web-oriented visualization of auroral oval geophysical parameters. Scientific Visualization, 2020, 12, .	0.2	3

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145	Latitudinal amplitude-phase structure of MHD waves: STARE radar and image magnetometer observations and modeling. SolneÄ•no-zemnaÃ¢ Fizika, 2016, 2, 41-51.	0.2	3
146	Impact of typhoon Vongfong 2014 on the ionosphere and geomagnetic field according to Swarm satellite data: 1. Wave disturbances of ionospheric plasma. SolneÄ•no-zemnaÃ¢ Fizika, 2019, 5, 114-123.	0.2	3
147	On the possibility of reflection of AlfvÃ©n waves in a curvilinear magnetic field. Plasma Physics Reports, 2004, 30, 413-421.	0.3	2
148	Interaction between the AlfvÃ©n wave and turbulent sheet. Geomagnetism and Aeronomy, 2007, 47, 570-579.	0.2	2
149	Electromagnetic sounding of planets from a low-orbiting probe. Cosmic Research, 2014, 52, 46-51.	0.2	2
150	Statistical Properties of the Geomagnetic Field Variations and Geomagnetically Induced Currents. Springer Proceedings in Earth and Environmental Sciences, 2020, , 39-50.	0.2	2
151	Time-spatial correspondence between Pi2 wave power and ultra-violet aurora bursts. Russian Journal of Earth Sciences, 2017, 17, 1-14.	0.2	2
152	Virtual magnetograms -- a tool for the study of geomagnetic response to the solar wind/IMF driving. Russian Journal of Earth Sciences, 2019, 19, 1-15.	0.2	2
153	Estimate of ULF electromagnetic noise caused by a fluid flow during seismic or volcano activity. Annals of Geophysics, 2016, 58, .	0.5	2
154	MHD WAVES IN THE COLLISIONAL PLASMA OF THE SOLAR CORONA AND TERRESTRIAL IONOSPHERE. SolneÄ•no-zemnaÃ¢ Fizika, 2020, 6, 17-23.	0.2	2
155	Spectral content of Pc5–6/Pi3 geomagnetic pulsations and their efficiency in generation of geomagnetically induced currents. Russian Journal of Earth Sciences, 2022, 22, 1-9.	0.2	2
156	Interaction of Alfven waves with a turbulent layer. Earth, Planets and Space, 2008, 60, 949-960.	0.9	1
157	Relationship of Worldwide Rocket Launch Crashes with Geophysical Parameters. International Journal of Geophysics, 2013, 2013, 1-15.	0.4	1
158	Response of Ionospheric Total Electron Content to Convective Vortices. Cosmic Research, 2019, 57, 69-78.	0.2	1
159	Detection of Artificial ULF Signals at Staraya Pustyn Magnetic Station during the FENICS-2019 Experiment. Geomagnetism and Aeronomy, 2021, 61, 365-375.	0.2	1
160	Recording and Modeling of Ulfâ€“Elf Signals at the Staraya Pustyn Station During the Fenics-2019 Experiment. Seismic Instruments, 2021, 57, 329-342.	0.0	1
161	Geomagnetic data recovery approach based on the concept of digital twins. SolneÄ•no-zemnaÃ¢ Fizika, 2021, 7, 48-56.	0.2	1
162	Electromagnetic pollution of near-Earth space by power line emission. SolneÄ•no-zemnaÃ¢ Fizika, 2021, 7, 111-119.	0.1	1

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163	Latitudinal amplitude-phase structure of MHD waves: STARE radar and image magnetometer observations and modeling. SolneÄno-zemnaÃ¢ Fizika, 2016, 2, 56-73.	0.2	1
164	Nightside Magnetic Impulsive Events: Statistics and Possible Mechanisms. Springer Proceedings in Earth and Environmental Sciences, 2019, , 607-614.	0.2	1
165	Geomagnetic Field Variability Analysis Based on Polar Diagrams. Izvestiya, Physics of the Solid Earth, 2020, 56, 854-863.	0.2	1
166	Database of geomagnetic observations in Russian Arctic and its application for estimates of the space weather impact on technological systems. SolneÄno-zemnaÃ¢ Fizika, 2022, 8, 39-50.	0.2	1
167	Interactive computer model for aurora forecast and analysis. SolneÄno-zemnaÃ¢ Fizika, 2022, 8, 93-100.	0.1	1
168	Electric Mode Excitation in the Atmosphere by Magnetospheric Impulses and ULF Waves. Frontiers in Earth Science, 2021, 8, .	0.8	0
169	Geomagnetic data recovery approach based on the concept of digital twins. SolneÄno-zemnaÃ¢ Fizika, 2021, 7, 53-62.	0.1	0
170	Impulsive Coupling Between the Atmosphere and Ionosphere/Magnetosphere. Space Sciences Series of ISSI, 2011, , 533-550.	0.0	0
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