

# O V Agapitov

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/682733/o-v-agapitov-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127  
papers

3,268  
citations

35  
h-index

48  
g-index

137  
ext. papers

3,879  
ext. citations

3.8  
avg. IF

5.47  
L-index

#	Paper	IF	Citations
127	Statistics of whistler mode waves in the outer radiation belt: Cluster STAFF-SA measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3407-3420	2.6	173
126	Oblique Whistler-Mode Waves in the Earth's Inner Magnetosphere: Energy Distribution, Origins, and Role in Radiation Belt Dynamics. <i>Space Science Reviews</i> , <b>2016</b> , 200, 261-355	7.5	111
125	Time domain structures: What and where they are, what they do, and how they are made. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3627-3638	4.9	95
124	Wave-induced loss of ultra-relativistic electrons in the Van Allen radiation belts. <i>Nature Communications</i> , <b>2016</b> , 7, 12883	17.4	90
123	Consequences of geomagnetic activity on energization and loss of radiation belt electrons by oblique chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2775-2796	2.6	68
122	Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 11,265-11,272	4.9	63
121	Fast dropouts of multi-MeV electrons due to combined effects of EMIC and whistler mode waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4155-4163	4.9	63
120	Very oblique whistler generation by low-energy electron streams. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3665-3683	2.6	62
119	Synthetic Empirical Chorus Wave Model From Combined Van Allen Probes and Cluster Statistics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 297-314	2.6	61
118	Direct observation of radiation-belt electron acceleration from electron-volt energies to megavolts by nonlinear whistlers. <i>Physical Review Letters</i> , <b>2014</b> , 113, 035001	7.4	61
117	Analytical estimates of electron quasi-linear diffusion by fast magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3096-3112	2.6	60
116	Timescales for electron quasi-linear diffusion by parallel and oblique lower-band chorus waves. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		59
115	Nonlinear local parallel acceleration of electrons through Landau trapping by oblique whistler mode waves in the outer radiation belt. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 10,140	4.9	55
114	Non-diffusive resonant acceleration of electrons in the radiation belts. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 122201	2.01	55
113	The quasi-electrostatic mode of chorus waves and electron nonlinear acceleration. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 1606-1626	2.6	54
112	Evidence of stronger pitch angle scattering loss caused by oblique whistler-mode waves as compared with quasi-parallel waves. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 6063-6070	4.9	54
111	Switchbacks in the Solar Magnetic Field: Their Evolution, Their Content, and Their Effects on the Plasma. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 68	8	50

110	Wave energy budget analysis in the Earth's radiation belts uncovers a missing energy. <i>Nature Communications</i> , <b>2015</b> , 6, 8143	17.4	47
109	Nonlinear electron acceleration by oblique whistler waves: Landau resonance vs. cyclotron resonance. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 122901	2.1	44
108	Structure and long-term change in the zonal asymmetry in Antarctic total ozone during spring. <i>Annales Geophysicae</i> , <b>2007</b> , 25, 361-374	2	44
107	Electron-acoustic solitons and double layers in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4575-4583	4.9	43
106	Surface waves and field line resonances: A THEMIS case study. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		41
105	Magnetospheric Multiscale Satellite Observations of Parallel Electron Acceleration in Magnetic Field Reconnection by Fermi Reflection from Time Domain Structures. <i>Physical Review Letters</i> , <b>2016</b> , 116, 145101	7.4	40
104	Inner belt and slot region electron lifetimes and energization rates based on AKEBONO statistics of whistler waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2876-2893	2.6	40
103	Electron pitch-angle diffusion in radiation belts: The effects of whistler wave oblique propagation. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	40
102	Fast transport of resonant electrons in phase space due to nonlinear trapping by whistler waves. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5727-5733	4.9	39
101	Chorus source region localization in the Earth's outer magnetosphere using THEMIS measurements. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 1377-1386	2	39
100	Spatial Extent and Temporal Correlation of Chorus and Hiss: Statistical Results From Multipoint THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8317-8330	2.6	39
99	Storm-induced energization of radiation belt electrons: Effect of wave obliquity. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4138-4143	4.9	38
98	EMIC wave scale size in the inner magnetosphere: Observations from the dual Van Allen Probes. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 1227-1233	4.9	37
97	Generation of nonlinear electric field bursts in the outer radiation belt through the parametric decay of whistler waves. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3715-3722	4.9	37
96	Parametric validations of analytical lifetime estimates for radiation belt electron diffusion by whistler waves. <i>Annales Geophysicae</i> , <b>2013</b> , 31, 599-624	2	37
95	Diffusive scattering of electrons by electron holes around injection fronts. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3163-3182	2.6	36
94	Thermal electron acceleration by localized bursts of electric field in the radiation belts. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5734-5739	4.9	36
93	Chorus wave-normal statistics in the Earth's radiation belts from ray tracing technique. <i>Annales Geophysicae</i> , <b>2012</b> , 30, 1223-1233	2	36

92	Electron scattering and nonlinear trapping by oblique whistler waves: The critical wave intensity for nonlinear effects. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 102903	2.1	35
91	Simultaneous Observations of Lower Band Chorus Emissions at the Equator and Microburst Precipitating Electrons in the Ionosphere. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 511-516	4.9	33
90	Empirical model of lower band chorus wave distribution in the outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 10,425-10,442	2.6	33
89	Chorus whistler wave source scales as determined from multipoint Van Allen Probe measurements. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2634-2642	4.9	32
88	Electron-acoustic solitary waves in the Earth's inner magnetosphere. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 022905.1		31
87	A statistical study of the propagation characteristics of whistler waves observed by Cluster. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	31
86	Multispacecraft observations of chorus emissions as a tool for the plasma density fluctuations' remote sensing. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		31
85	Near-relativistic electron acceleration by Landau trapping in time domain structures. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 508-514	4.9	31
84	Exclusion principle for very oblique and parallel lower band chorus waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,112	4.9	31
83	Magnetic field depression within electron holes. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2123-2129	4.9	30
82	Stability of relativistic electron trapping by strong whistler or electromagnetic ion cyclotron waves. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 082901	2.1	30
81	Correction to A statistical study of the propagation characteristics of whistler waves observed by Cluster. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	30
80	Electron Scattering by High-frequency Whistler Waves at Earth's Bow Shock. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 842, L11	7.9	29
79	The development of a bursty precipitation front with intense localized parallel electric fields driven by whistler waves. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2563-2570	4.9	29
78	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R <sub>s</sub> Radii. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 891, L20	7.9	28
77	Probability of relativistic electron trapping by parallel and oblique whistler-mode waves in Earth's radiation belts. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 112903	2.1	28
76	Solitary Waves Across Supercritical Quasi-Perpendicular Shocks. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 5809	4.9	26
75	Acceleration of radiation belts electrons by oblique chorus waves. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		26

74	Statistical study of chorus wave distributions in the inner magnetosphere using Ae and solar wind parameters. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6131-6144	2.6	25
73	Electron holes in the outer radiation belt: Characteristics and their role in electron energization. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 120-135	2.6	24
72	Thermal electron acceleration by electric field spikes in the outer radiation belt: Generation of field-aligned pitch angle distributions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 8616-8632	2.6	24
71	Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A2	5.1	23
70	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 93	4.7	23
69	Observation of chorus waves by the Van Allen Probes: Dependence on solar wind parameters and scale size. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7608-7621	2.6	22
68	Electrostatic Steepening of Whistler Waves. <i>Physical Review Letters</i> , <b>2018</b> , 120, 195101	7.4	22
67	Drift Resonance of Compressional ULF Waves and Substorm-Injected Protons From Multipoint THEMIS Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9406-9419	2.6	22
66	EMIC wave spatial and coherence scales as determined from multipoint Van Allen Probe measurements. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4799-4807	4.9	21
65	Direct Observation of Electron Distributions inside Millisecond Duration Electron Holes. <i>Physical Review Letters</i> , <b>2018</b> , 121, 135102	7.4	21
64	Electron holes in inhomogeneous magnetic field: Electron heating and electron hole evolution. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 052306	2.1	20
63	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 2168-2176	4.9	19
62	The effect of magnetic topology on particle acceleration in a three-dimensional reconnecting current sheet: a test-particle approach. <i>Journal of Plasma Physics</i> , <b>2009</b> , 75, 159-181	2.7	19
61	Ballooning perturbations in the inner magnetosphere of the Earth: Spectrum, stability and eigenmode analysis. <i>Advances in Space Research</i> , <b>2008</b> , 41, 1682-1687	2.4	19
60	Relativistic electron scattering by magnetosonic waves: Effects of discrete wave emission and high wave amplitudes. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 062901	2.1	18
59	Phase Decoherence Within Intense Chorus Wave Packets Constrains the Efficiency of Nonlinear Resonant Electron Acceleration. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089807	4.9	18
58	Microburst Scale Size Derived From Multiple Bounces of a Microburst Simultaneously Observed With the FIREBIRD-II CubeSats. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8811-8818	4.9	18
57	Analytical Chorus Wave Model Derived from Van Allen Probe Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1063-1084	2.6	17

56	Polarization of ULF waves in the earth's magnetosphere. <i>Kinematics and Physics of Celestial Bodies</i> , <b>2011</b> , 27, 117-123	0.6	16
55	Cross-Shock Potential in Rippled Versus Planar Quasi-Perpendicular Shocks Observed by MMS. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 2381-2389	4.9	15
54	Butterfly pitch angle distribution of relativistic electrons in the outer radiation belt: Evidence of nonadiabatic scattering. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4279-4297	2.6	15
53	Approximate analytical solutions for the trapped electron distribution due to quasi-linear diffusion by whistler mode waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9962-9977	2.6	15
52	GYROSURFING ACCELERATION OF IONS IN FRONT OF EARTH'S QUASI-PARALLEL BOW SHOCK. <i>Astrophysical Journal</i> , <b>2013</b> , 771, 4	4.7	15
51	CIMI simulations with newly developed multiparameter chorus and plasmaspheric hiss wave models. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9344-9357	2.6	14
50	Statistical model of electron pitch angle diffusion in the outer radiation belt. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		14
49	Time Scales for Electron Quasi-linear Diffusion by Lower-Band Chorus Waves: The Effects of $\beta_e/\beta_e$ Dependence on Geomagnetic Activity. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 6178-6187	4.9	13
48	EMIC Wave-Driven Bounce Resonance Scattering of Energetic Electrons in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2484	2.6	13
47	Equatorial electron loss by double resonance with oblique and parallel intense chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4498-4517	2.6	13
46	Electron pitch-angle diffusion: resonant scattering by waves vs. nonadiabatic effects. <i>Annales Geophysicae</i> , <b>2013</b> , 31, 1485-1490	2	13
45	Observations and modeling of forward and reflected chorus waves captured by THEMIS. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 541-550	2	13
44	Statistical Analysis of Transverse Size of Lower Band Chorus Waves Using Simultaneous Multisatellite Observations. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5725-5734	4.9	12
43	Pulsating auroras produced by interactions of electrons and time domain structures. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8604-8616	2.6	11
42	Spatial spreading of magnetospherically reflected chorus elements in the inner magnetosphere. <i>Annales Geophysicae</i> , <b>2013</b> , 31, 1429-1435	2	11
41	Scattering of Energetic Electrons by Heat-flux-driven Whistlers in Flares. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 190	4.7	11
40	Electron Microburst Size Distribution Derived With AeroCube-6. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027651	2.6	10
39	DC and Low-Frequency Electric Field Measurements on the Parker Solar Probe. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027980	2.6	10

38	Switchbacks: statistical properties and deviations from Alfvénicity. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A3	5.1	10
37	Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a High-Speed Solar Wind Stream Observed in September 2014. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1660-1678	2.6	9
36	A Census of Magnetospheric Electrons From Several eV to 30 keV. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027577	2.6	9
35	Evolution of electron phase space holes in inhomogeneous plasmas. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 062311	2.1	9
34	Ducted propagation of chorus waves: Cluster observations. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 1629-1634	2	9
33	On the origin of falling-tone chorus elements in Earth's inner magnetosphere. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 1477-1485	2	9
32	Whistler wave occurrence and the interaction with strahl electrons during the first encounter of Parker Solar Probe. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A9	5.1	9
31	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A5	5.1	9
30	Field-aligned chorus wave spectral power in Earth's outer radiation belt. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 583-597	2	8
29	Evidence of Small Scale Plasma Irregularity Effects on Whistler Mode Chorus Propagation. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092850	4.9	8
28	Extremely field-aligned cool electrons in the dayside outer magnetosphere. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 44-51	4.9	7
27	Evolution of electron phase space holes in inhomogeneous magnetic fields. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2105-2112	4.9	7
26	Time Domain Structures and Dust in the Solar Vicinity: Parker Solar Probe Observations. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 50	8	7
25	Outer Radiation Belt Electron Lifetime Model Based on Combined Van Allen Probes and Cluster VLF Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028018	2.6	6
24	Transverse eV ion heating by random electric field fluctuations in the plasmasphere. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 022903	2.1	5
23	On the Generation of Probabilistic Forecasts From Deterministic Models. <i>Space Weather</i> , <b>2019</b> , 17, 455-475	3.7	5
22	Lifetimes of Relativistic Electrons as Determined From Plasmaspheric Hiss Scattering Rates Statistics: Effects of $B_e/B_0$ and Wave Frequency Dependence on Geomagnetic Activity. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088052	4.9	5
21	Localized Heating of the Martian Topside Ionosphere Through the Combined Effects of Magnetic Pumping by Large-Scale Magnetosonic Waves and Pitch Angle Diffusion by Whistler Waves. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086408	4.9	5

20	Cyclotron resonance in plasma flow. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 124502	2.1	5
19	Model of the propagation of very low-frequency beams in the Earth's ionosphere waveguide: principles of the tensor impedance method in multi-layered gyrotronic waveguides. <i>Annales Geophysicae</i> , <b>2020</b> , 38, 207-230	2	4
18	Longitudinal position of the quasi-stationary wave extremes over the Antarctic region from the TOMS total ozone. <i>International Journal of Remote Sensing</i> , <b>2007</b> , 28, 1391-1396	3.1	4
17	Model of vortex tubes in the low-latitude plasma sheet of the earth magnetosphere. <i>Advances in Space Research</i> , <b>2001</b> , 28, 801-806	2.4	4
16	High-Energy Electron Flux Enhancement Pattern in the Outer Radiation Belt in Response to the Alfvénic Fluctuations Within High-Speed Solar Wind Stream: A Statistical Analysis. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029363	2.6	4
15	Shock Drift Acceleration of Ions in an Interplanetary Shock Observed by MMS. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 891, L26	7.9	2
14	Approximate analytical formulation of radial diffusion and whistler-induced losses from a preexisting flux peak in the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7191-7208	2.6	2
13	Dynamic Mechanisms Associated With High-Energy Electron Flux Dropout in the Earth's Outer Radiation Belt Under the Influence of a Coronal Mass Ejection Sheath Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126,	2.6	2
12	The geometric parameters of solar wind discontinuities based on STEREO, ACE and WIND measurements. <i>International Journal of Remote Sensing</i> , <b>2011</b> , 32, 3239-3247	3.1	1
11	Wave-particle interactions in the outer radiation belts. <i>Advances in Astronomy and Space Physics</i> , <b>2015</b> , 5, 68-74	0.2	1
10	Terrestrial Bow Shock Parameters From MMS Measurements: Dependence on Upstream and Downstream Time Ranges. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027231	2.6	1
9	Langmuir-Slow Extraordinary Mode Magnetic Signature Observations with Parker Solar Probe. <i>Astrophysical Journal</i> , <b>2022</b> , 927, 95	4.7	1
8	Flux Rope Merging and the Structure of Switchbacks in the Solar Wind. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 213	4.7	0
7	Chorus and Hiss Scales in the Inner Magnetosphere: Statistics From High-Resolution Filter Bank (FBK) Van Allen Probes Multi-Point Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028998	2.6	0
6	A Survey of Dense Low Energy Ions in Earth's Outer Magnetosphere: Relation to Solar Wind Dynamic Pressure, IMF, and Magnetospheric Activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029208	2.6	0
5	Specific features of VLF wave propagation in the earth's inner magnetosphere. <i>Kinematics and Physics of Celestial Bodies</i> , <b>2013</b> , 29, 107-119	0.6	
4	Relativistic jets and non-thermal radiation from collapse of stars to black holes. <i>Proceedings of the International Astronomical Union</i> , <b>2006</b> , 2, 395-396	0.1	
3	Synchrotron emission of weakly-relativistic electron beams at midlatitude ionospheric altitudes. <i>Geomagnetism and Aeronomy</i> , <b>2006</b> , 46, 667-675	0.9	



- |   |   |     |
|---|---|-----|
| 2 | A reconstruction method of electron density distribution in the equatorial region of magnetosphere. <i>Advances in Astronomy and Space Physics</i> , <b>2015</b> , 5, 104-108 | 0.2 |
| 1 | The 16-year periodicity in the winter surface temperature variations in the Antarctic Peninsula region. <i>Climate Dynamics</i> ,1  | 4.2 |