

Gennadi Milinevsky

List of Publications by Year in descending order

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102
papers

1,829
citations

430874

18
h-index

315739

38
g-index

116
all docs

116
docs citations

116
times ranked

2340
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of climate change on Antarctic krill. <i>Marine Ecology - Progress Series</i> , 2012, 458, 1-19.	1.9	253
2	Polarimetric remote sensing of atmospheric aerosols: Instruments, methodologies, results, and perspectives. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 224, 474-511.	2.3	224
3	Maritime aerosol network as a component of AERONET – first results and comparison with global aerosol models and satellite retrievals. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 583-597.	3.1	152
4	Current status of the Antarctic herb tundra formation in the Central Argentine Islands. <i>Global Change Biology</i> , 2009, 15, 1685-1693.	9.5	91
5	Condition, reproduction and survival of barn swallows from Chernobyl. <i>Journal of Animal Ecology</i> , 2005, 74, 1102-1111.	2.8	76
6	Structure and long-term change in the zonal asymmetry in Antarctic total ozone during spring. <i>Annales Geophysicae</i> , 2007, 25, 361-374.	1.6	57
7	Highly reduced mass loss rates and increased litter layer in radioactively contaminated areas. <i>Oecologia</i> , 2014, 175, 429-437.	2.0	51
8	Variability of aerosol properties over Eastern Europe observed from ground and satellites in the period from 2003 to 2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6587-6602.	4.9	40
9	Exposure to environmental radionuclides associates with tissue-specific impacts on telomerase expression and telomere length. <i>Scientific Reports</i> , 2019, 9, 850.	3.3	34
10	Combined characterisation of GOME and TOMS total ozone measurements from space using ground-based observations from the NDSC. <i>Advances in Space Research</i> , 2000, 26, 1931-1940.	2.6	31
11	Tree rings reveal extent of exposure to ionizing radiation in Scots pine <i>Pinus sylvestris</i> . <i>Trees - Structure and Function</i> , 2013, 27, 1443-1453.	1.9	31
12	New satellite project Aerosol-UA: Remote sensing of aerosols in the terrestrial atmosphere. <i>Acta Astronautica</i> , 2016, 123, 292-300.	3.2	30
13	Applying the Anna Karenina principle for wild animal gut microbiota: Temporal stability of the bank vole gut microbiota in a disturbed environment. <i>Journal of Animal Ecology</i> , 2020, 89, 2617-2630.	2.8	28
14	Aerosol seasonal variations over urban – industrial regions in Ukraine according to AERONET and POLDER measurements. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1459-1474.	3.1	27
15	Estimating nest-level phenology and reproductive success of colonial seabirds using time-lapse cameras. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1853-1863.	5.2	27
16	In situ and ground-based intercalibration measurements of plasma density at $L = 2.5$. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	24
17	Scaling effect in planetary waves over Antarctica. <i>International Journal of Remote Sensing</i> , 2008, 29, 2697-2704.	2.9	24
18	Ecological mechanisms can modify radiation effects in a key forest mammal of Chernobyl. <i>Ecosphere</i> , 2019, 10, e02667.	2.2	22

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19	Interannual variability of planetary waves in the ozone layer at 65°S. <i>International Journal of Remote Sensing</i> , 2005, 26, 3377-3387.	2.9	20
20	Zonal wave numbers 1-5 in planetary waves from the TOMS total ozone at 65° S. <i>Annales Geophysicae</i> , 2005, 23, 1565-1573.	1.6	19
21	Winter 2018 major sudden stratospheric warming impact on midlatitude mesosphere from microwave radiometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10303-10317.	4.9	19
22	Total ozone and tropopause zonal asymmetry during the Antarctic spring. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
23	Quasi-stationary planetary waves in late winter Antarctic stratosphere temperature as a possible indicator of spring total ozone. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2865-2879.	4.9	18
24	Localization of aerosol sources in East-European region by back-trajectory statistics. <i>International Journal of Remote Sensing</i> , 2014, 35, 6993-7006.	2.9	18
25	Heterogeneous relationships between abundance of soil surface invertebrates and radiation from Chernobyl. <i>Ecological Indicators</i> , 2015, 52, 128-133.	6.3	17
26	Essential variables for air quality estimation. <i>International Journal of Digital Earth</i> , 2020, 13, 278-298.	3.9	17
27	Early indications of anomalous behaviour in the 2019 spring ozone hole over Antarctica. <i>International Journal of Remote Sensing</i> , 2020, 41, 7530-7540.	2.9	17
28	Anomalous quasi-stationary planetary waves over the Antarctic region in 1988 and 2002. <i>Annales Geophysicae</i> , 2008, 26, 1101-1108.	1.6	16
29	Atmospheric aerosol distribution in the Belarus-Ukraine region by the GEOS-Chem model and AERONET measurements. <i>International Journal of Remote Sensing</i> , 2016, 37, 3181-3195.	2.9	16
30	Evolution of the eastward shift in the quasi-stationary minimum of the Antarctic total ozone column. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1741-1758.	4.9	15
31	Antarctic Peninsula sea levels: a real-time system for monitoring Drake Passage transport. <i>Antarctic Science</i> , 2006, 18, 429-436.	0.9	14
32	Decadal variability of winter temperatures in the Antarctic Peninsula region. <i>Antarctic Science</i> , 2011, 23, 614-622.	0.9	14
33	Individual variation in migratory movements of chinstrap penguins leads to widespread occupancy of ice-free winter habitats over the continental shelf and deep ocean basins of the Southern Ocean. <i>PLoS ONE</i> , 2019, 14, e0226207.	2.5	14
34	Bistatic HF diagnostics of TIDs over the Antarctic Peninsula. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 403-410.	1.6	13
35	Transcriptional Upregulation of DNA Damage Response Genes in Bank Voles (<i>Myodes glareolus</i>) Inhabiting the Chernobyl Exclusion Zone. <i>Frontiers in Environmental Science</i> , 2018, 5, .	3.3	13
36	Atmospheric Aerosol Over Ukraine Region: Current Status of Knowledge and Research Efforts. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	13

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37	Calibration model of polarimeters on board the Aerosol-UA space mission. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 229, 92-105.	2.3	13
38	Fine structure of artificial auroral rays. <i>Advances in Space Research</i> , 1981, 1, 163-165.	2.6	12
39	Teleconnection between the central tropical Pacific and the Antarctic stratosphere: spatial patterns and time lags. <i>Climate Dynamics</i> , 2015, 44, 1841-1855.	3.8	12
40	Prediction of erythemally effective UVB radiation by means of nonlinear regression model. <i>Environmetrics</i> , 2009, 20, 633-646.	1.4	11
41	Aerosol layer properties over Kyiv from AERONET/PHOTONS sunphotometer measurements during 2008–2009. <i>International Journal of Remote Sensing</i> , 2011, 32, 657-669.	2.9	11
42	Dynamics of artificial plasma clouds in “SPOLOKH” experiments : Cloud deformation. <i>Planetary and Space Science</i> , 1984, 32, 1045-1052.	1.7	10
43	Ground-based acoustic parametric generator impact on the atmosphere and ionosphere in an active experiment. <i>Annales Geophysicae</i> , 2017, 35, 53-70.	1.6	10
44	Decadal changes in the central tropical Pacific teleconnection to the Southern Hemisphere extratropics. <i>Climate Dynamics</i> , 2019, 52, 4027-4055.	3.8	10
45	Coastal regions of the northern Antarctic Peninsula are key for gentoo populations. <i>Biology Letters</i> , 2021, 17, 20200708.	2.3	10
46	Formation and development of striated structure during plasma cloud evolution in the Earth's ionosphere. <i>Planetary and Space Science</i> , 1993, 41, 453-460.	1.7	9
47	Total ozone dependence of the difference between the empirically corrected EP-TOMS and high-latitude station datasets. <i>International Journal of Remote Sensing</i> , 2009, 30, 4283-4294.	2.9	9
48	Remote sensing of aerosol in the terrestrial atmosphere from space: new missions. <i>Advances in Astronomy and Space Physics</i> , 2015, 5, 11-16.	0.2	9
49	Comparison of ground-based and TOMS-EP total ozone data for antarctica and Northern Midlatitude Stations (1996–1999). <i>Physics and Chemistry of the Earth</i> , 2000, 25, 459-461.	0.3	8
50	On the regional distinctions in annual cycle of total ozone in the northern midlatitudes. <i>Remote Sensing Letters</i> , 2014, 5, 205-212.	1.4	8
51	Comparison of Major Sudden Stratospheric Warming Impacts on the Mid-Latitude Mesosphere Based on Local Microwave Radiometer CO Observations in 2018 and 2019. <i>Remote Sensing</i> , 2020, 12, 3950.	4.0	8
52	Methodology, hardware implementation, and validation of satellite remote sensing of atmospheric aerosols: first results of the Aerosol-UA space experiment development. <i>Kosmicheska Nauka i Tehnologii</i> , 2015, 21, 9-17.	0.5	8
53	Longitudinal position of the quasi-stationary wave extremes over the Antarctic region from the TOMS total ozone. <i>International Journal of Remote Sensing</i> , 2007, 28, 1391-1396.	2.9	7
54	Comparison of ground-based Dobson and satellite EP-TOMS total ozone measurements over Vernadsky station, Antarctica, 1996–2005. <i>International Journal of Remote Sensing</i> , 2008, 29, 2675-2683.	2.9	7

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55	Atmospheric Aerosol Distribution in 2016–2017 over the Eastern European Region Based on the GEOS-Chem Model. <i>Atmosphere</i> , 2020, 11, 722.	2.3	7
56	Results of ZARNITZA-2, a rocket experiment on artificial electron beam injection in the ionosphere. <i>Advances in Space Research</i> , 1981, 1, 5-15.	2.6	6
57	Estimation of solar UV radiation in maritime Antarctica using a nonlinear model including cloud effects. <i>International Journal of Remote Sensing</i> , 2010, 31, 831-849.	2.9	6
58	Model of the propagation of very low-frequency beams in the Earth's ionosphere waveguide: principles of the tensor impedance method in multi-layered gyrotropic waveguides. <i>Annales Geophysicae</i> , 2020, 38, 207-230.	1.6	6
59	Ozone and solar UV radiation: monitoring of the vitamin D synthetic capacity of sunlight in Kiev and Antarctica. <i>International Journal of Remote Sensing</i> , 2005, 26, 3555-3559.	2.9	5
60	Troposphere and stratosphere influence on tropopause in the polar regions during winter and spring. <i>International Journal of Remote Sensing</i> , 2011, 32, 3153-3164.	2.9	5
61	SCIAMACHY/Envisat, OMI/Aura, and ground-based total ozone measurements over Kyiv-Goloseyev station. <i>International Journal of Remote Sensing</i> , 2013, 34, 5611-5622.	2.9	5
62	The Antarctic ozone hole during 2017. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2019, 69, 29.	1.8	5
63	Planetary Wave Spectrum in the Stratosphere–Mesosphere during Sudden Stratospheric Warming 2018. <i>Remote Sensing</i> , 2021, 13, 1190.	4.0	5
64	Aerosol-UA satellite mission for the polarimetric study of aerosols in the atmosphere. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 267, 107601.	2.3	5
65	The Major Sudden Stratospheric Warming Impact on Mid-Latitude Surface Weather. <i>EPJ Web of Conferences</i> , 2020, 237, 04007.	0.3	5
66	The influence of large amplitude planetary waves on the Antarctic ozone hole of austral spring 2017. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2019, 69, 57.	1.8	5
67	Satellite project «Aerosol-UA»: remote sensing of aerosols in the Earth's atmosphere. <i>Kosmicheska Nauka i Tehnologiya</i> , 2012, 18, 3-15.	0.5	5
68	Long-lived artificial ion clouds in the Earth's ionosphere. <i>Geophysical Research Letters</i> , 1993, 20, 1019-1022.	4.0	4
69	Influence of planetary waves on total ozone column distribution in northern and southern high latitudes. <i>International Journal of Remote Sensing</i> , 2011, 32, 3179-3186.	2.9	4
70	The Antarctic Regional GPS Network Densification: Status and Results. <i>International Association of Geodesy Symposia</i> , 2015, , 133-139.	0.4	4
71	Investigation of the Vertical Influence of the 11-Year Solar Cycle on Ozone Using SBUV and Antarctic Ground-Based Measurements and CMIP6 Forcing Data. <i>Atmosphere</i> , 2020, 11, 873.	2.3	4
72	Atmospheric Impact on GNSS Observations, Sea Level Change Investigations and GPS-Photogrammetry Ice Cap Survey at Vernadsky Station in Antarctic Peninsula. , 2008, , 191-209.		4

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73	Multispectral imager-polarimeter of the "AEROSOL-UA" space project. <i>Kosmichna Nauka i Tehnologiya</i> , 2018, 24, 23-32.	0.5	4
74	The harmonization of small-scale marine spatial protection in the Argentine Islands area (Antarctic). <i>Journal of Environmental Management</i> , 2017, 187, 10-15.	0.7	4
75	Zonal Asymmetry of the Stratopause in the 2019/2020 Arctic Winter. <i>Remote Sensing</i> , 2022, 14, 1496.	4.0	4
76	Rosby Waves in Total Ozone over the Arctic in 2000–2021. <i>Remote Sensing</i> , 2022, 14, 2192.	4.0	4
77	ULF Doppler oscillations of L= 2.5 flux tubes. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	3
78	Aerosol properties in atmosphere over Kyiv using lidar and sun-photometer observations. <i>Kosmichna Nauka i Tehnologiya</i> , 2017, 23, 37-47.	0.5	3
79	Spring 2020 Atmospheric Aerosol Contamination over Kyiv City. <i>Atmosphere</i> , 2022, 13, 687.	2.3	3
80	Artificial plasma cloud evolution in the low latitude ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1993, 55, 193-195.	0.9	2
81	Optical observations of artificial clouds in the CRRES experiments. <i>Advances in Space Research</i> , 1995, 15, 131-134.	2.6	2
82	Winter climate change on the northern and southern Antarctic Peninsula. <i>Antarctic Science</i> , 2020, 32, 408-424.	0.9	2
83	Mid-Latitude Mesospheric Zonal Wave 1 and Wave 2 in Recent Boreal Winters. <i>Remote Sensing</i> , 2021, 13, 3749.	4.0	2
84	Ozone distribution in the Antarctic region from the data of 30-year satellite measurements. <i>Kosmichna Nauka i Tehnologiya</i> , 2010, 16, 20-27.	0.5	2
85	<title>Brightness calibration of extended luminous ionospheric objects</title>. , 1993, 2050, 161.		1
86	Simulation of the initial evolution of the CRRES G-9 barium release in the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 1895-1901.	0.9	1
87	The 16-year periodicity in the winter surface temperature variations in the Antarctic Peninsula region. <i>Climate Dynamics</i> , 2022, 58, 35-47.	3.8	1
88	Weekly cycle in the atmosphere aerosol variations for industrial regions. <i>Advances in Astronomy and Space Physics</i> , 2019, 9, 20-27.	0.2	1
89	Assessment of the zonal asymmetry trend in Antarctic total ozone column using TOMS measurements and CCMVal-2 models. <i>Ukrainian Antarctic Journal</i> , 2020, , 50-58.	0.7	1
90	The Annual Cycle in Mid-Latitude Stratospheric and Mesospheric Ozone Associated with Quasi-Stationary Wave Structure by the MLS Data 2011–2020. <i>Remote Sensing</i> , 2022, 14, 2309.	4.0	1

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91	<title>Ion clouds in CRRES Caribbean barium releases campaign as tracers of ionosphere processes</title>. , 1993, , .		0
92	Correction [to "Long-lived artificial ion clouds in the Earth's Ionosphere"]. Geophysical Research Letters, 1994, 21, 2863-2863.	4.0	0
93	Total ozone measurements from the Ukrainian Antarctic station Vernadsky. , 1997, 3237, 68.		0
94	Високочастотні вимірювання іонізації в стратосфері над Антарктидою в 2021 році. Grail of Science, 0, , 208-212.	0.1	0
95	Antarctic tropopause in winter and spring. Kosmicheska Nauka i Tehnologiya, 2008, 14, 58-71.	0.5	0
96	ATMOSPHERIC OZONE PROFILES DURING VASYLKIV OIL BURNING EPISODE. Odessa Astronomical Publications, 2015, 28, 55-57.	0.2	0
97	Ozonometer M-124 calibration for the Ukrainian network: method and results. Advances in Astronomy and Space Physics, 2016, 6, 85-93.	0.2	0
98	SEARCHING OF WEEKLY CYCLES IN THE AEROSOL PARAMETERS OF ANTARCTIC ATMOSPHERE IN COMPARISON WITH EARTH INDUSTRIAL REGIONS. Ukrainian Antarctic Journal, 2018, , 92-103.	0.7	0
99	Preliminary comparison of the direct aerosol radiative forcing over Ukraine and Antarctic AERONET sites. Ukrainian Antarctic Journal, 2019, , 128-138.	0.7	0
100	Високочастотні вимірювання іонізації в стратосфері над Антарктидою в 2021 році. Grail of Science, 2021, , .		0
101	Vertical ozone profiles in the atmosphere over the Antarctic Peninsula and Kyiv by Umkehr observations. Ukrainian Antarctic Journal, 2021, , 35-47.	0.7	0
102	QUASI-STATIONARY PLANETARY WAVES IN MID-LATITUDE STRATOSPHERE AND MESOSPHERE IN WINTER 2011-2020. Grail of Science, 0, , 307-311.	0.1	0