

# Mikhail Grigoriev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8137575/publications.pdf>

Version: 2024-02-01

39  
papers

2,128  
citations

304743

22  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2018  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Arctic Coastal Dynamics Database: A New Classification Scheme and Statistics on Arctic Permafrost Coastlines. <i>Estuaries and Coasts</i> , 2012, 35, 383-400.	2.2	298
2	Methane production as key to the greenhouse gas budget of thawing permafrost. <i>Nature Climate Change</i> , 2018, 8, 309-312.	18.8	194
3	Short- and long-term thermo-erosion of ice-rich permafrost coasts in the Laptev Sea region. <i>Biogeosciences</i> , 2013, 10, 4297-4318.	3.3	167
4	Observing Muostakh disappear: permafrost thaw subsidence and erosion of a ground-ice-rich island in response to arctic summer warming and sea ice reduction. <i>Cryosphere</i> , 2015, 9, 151-178.	3.9	142
5	Late Quaternary sedimentation history of the Lena Delta. <i>Quaternary International</i> , 2002, 89, 119-134.	1.5	136
6	Thermokarst and land-ocean interactions, Laptev sea region, Russia. <i>Permafrost and Periglacial Processes</i> , 2000, 11, 137-152.	3.4	93
7	Recent changes in shelf hydrography in the Siberian Arctic: Potential for subsea permafrost instability. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	85
8	Nearshore arctic subsea permafrost in transition. <i>Eos</i> , 2007, 88, 149-150.	0.1	82
9	Drivers, dynamics and impacts of changing Arctic coasts. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 39-54.	29.7	74
10	A 16-year record (2002–2017) of permafrost, active-layer, and meteorological conditions at the Samoylov Island Arctic permafrost research site, Lena River delta, northern Siberia: an opportunity to validate remote-sensing data and land surface, snow, and permafrost models. <i>Earth System Science Data</i> , 2019, 11, 261-299.	9.9	69
11	Coastal erosion dynamics on the permafrost-dominated Bykovsky Peninsula, north Siberia, 1951–2006. <i>Polar Research</i> , 2011, 30, 7341.	1.6	67
12	Anaerobic methanotrophic communities thrive in deep submarine permafrost. <i>Scientific Reports</i> , 2018, 8, 1291.	3.3	58
13	Methane oxidation following submarine permafrost degradation: Measurements from a central Laptev Sea shelf borehole. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 965-978.	3.0	55
14	Submarine Permafrost Map in the Arctic Modeled Using 1-€œ Transient Heat Flux (SuPerMAP). <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3490-3507.	2.6	55
15	Late Quaternary paleoenvironmental records from the western Lena Delta, Arctic Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 299, 175-196.	2.3	51
16	Circum-Arctic Map of the Yedoma Permafrost Domain. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	49
17	Coastal dynamics and submarine permafrost in shallow water of the central Laptev Sea, East Siberia. <i>Cryosphere</i> , 2016, 10, 1449-1462.	3.9	39
18	Carbon and nitrogen pools in thermokarst-affected permafrost landscapes in Arctic Siberia. <i>Biogeosciences</i> , 2018, 15, 953-971.	3.3	38

#	ARTICLE	IF	CITATIONS
19	Rapid Fluvio-Thermal Erosion of a Yedoma Permafrost Cliff in the Lena River Delta. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	38
20	Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea). <i>Biogeosciences</i> , 2017, 14, 1261-1283.	3.3	33
21	Heat and Salt Flow in Subsea Permafrost Modeled with CryoGRID2. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 920-937.	2.8	28
22	Submarine permafrost depth from ambient seismic noise. <i>Geophysical Research Letters</i> , 2015, 42, 7581-7588.	4.0	27
23	Coastal permafrost landscape development since the Late Pleistocene in the western Laptev Sea, Siberia. <i>Boreas</i> , 2011, 40, 697-713.	2.4	26
24	Recent advances in the study of Arctic submarine permafrost. <i>Permafrost and Periglacial Processes</i> , 2020, 31, 442-453.	3.4	25
25	Methanogenic response to long-term permafrost thaw is determined by paleoenvironment. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	23
26	The development of permafrost bacterial communities under submarine conditions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1689-1704.	3.0	21
27	Coastal Erosion Variability at the Southern Laptev Sea Linked to Winter Sea Ice and the Arctic Oscillation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086876.	4.0	20
28	A long-term (2002 to 2017) record of closed-path and open-path eddy covariance CO <sub>2</sub> and CH <sub>4</sub> net ecosystem exchange fluxes from the Siberian Arctic. <i>Earth System Science Data</i> , 2019, 11, 221-240.	9.9	20
29	Thermoerosional valleys in Siberian ice-rich permafrost. <i>Permafrost and Periglacial Processes</i> , 2021, 32, 59-75.	3.4	18
30	Carbon Dioxide and Methane Release Following Abrupt Thaw of Pleistocene Permafrost Deposits in Arctic Siberia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	3.0	17
31	Sediment characteristics of a thermokarst lagoon in the northeastern Siberian Arctic (Ivashkina). <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF005424.	1.0	14
32	Thermokarst Lake to Lagoon Transitions in Eastern Siberia: Do Submerged Taliks Refreeze?. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005424.	2.8	12
33	Onshore Thermokarst Primes Subsea Permafrost Degradation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093881.	4.0	12
34	Non-contact infrared temperature measurements in dry permafrost boreholes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	8
35	Microbial community composition and abundance after millennia of submarine permafrost warming. <i>Biogeosciences</i> , 2019, 16, 3941-3958.	3.3	7
36	Methane pathways in winter ice of a thermokarst lake-lagoon coastal water transect in north Siberia. <i>Cryosphere</i> , 2021, 15, 1607-1625.	3.9	7

#	ARTICLE	IF	CITATIONS
37	Thermokarst Lagoons: A Core-Based Assessment of Depositional Characteristics and an Estimate of Carbon Pools on the Bykovsky Peninsula. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	7
38	Borehole temperature reconstructions reveal differences in past surface temperature trends for the permafrost in the Laptev Sea region, Russian Arctic. <i>Arktos</i> , 2018, 4, 1-17.	1.0	5
39	Mercury in Sediment Core Samples From Deep Siberian Ice-Rich Permafrost. <i>Frontiers in Earth Science</i> , 0, 9, .	1.8	3