

Mikhail Kanevskiy

List of Publications by Citations

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

48
papers

2,178
citations

22
h-index

46
g-index

57
ext. papers

2,611
ext. citations

4.5
avg, IF

4.71
L-index

#	Paper	IF	Citations
48	Resilience and vulnerability of permafrost to climate change This article is one of a selection of papers from The Dynamics of Change in Alaska's Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. <i>Canadian Journal of Forest Research</i> , 2010 , 40, 1219-1236	1.9	345
47	Physical and ecological changes associated with warming permafrost and thermokarst in Interior Alaska. <i>Permafrost and Periglacial Processes</i> , 2009 , 20, 235-256	4.2	175
46	Cryostratigraphy of late Pleistocene syngenetic permafrost (yedoma) in northern Alaska, Itkillik River exposure. <i>Quaternary Research</i> , 2011 , 75, 584-596	1.9	158
45	The Effects of Permafrost Thaw on Soil Hydrologic, Thermal, and Carbon Dynamics in an Alaskan Peatland. <i>Ecosystems</i> , 2012 , 15, 213-229	3.9	143
44	Cumulative geocological effects of 62 years of infrastructure and climate change in ice-rich permafrost landscapes, Prudhoe Bay Oilfield, Alaska. <i>Global Change Biology</i> , 2014 , 20, 1211-24	11.4	114
43	Reorganization of vegetation, hydrology and soil carbon after permafrost degradation across heterogeneous boreal landscapes. <i>Environmental Research Letters</i> , 2013 , 8, 035017	6.2	113
42	Ground ice in the upper permafrost of the Beaufort Sea coast of Alaska. <i>Cold Regions Science and Technology</i> , 2013 , 85, 56-70	3.8	101
41	The effect of fire and permafrost interactions on soil carbon accumulation in an upland black spruce ecosystem of interior Alaska: implications for post-thaw carbon loss. <i>Global Change Biology</i> , 2011 , 17, 1461-1474	11.4	92
40	Soil carbon and material fluxes across the eroding Alaska Beaufort Sea coastline. <i>Journal of Geophysical Research</i> , 2011 , 116,		76
39	Role of ground ice dynamics and ecological feedbacks in recent ice wedge degradation and stabilization. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015 , 120, 2280-2297	3.8	73
38	Palaeoenvironmental Interpretation of Yedoma Silt (Ice Complex) Deposition as Cold-Climate Loess, Duvanny Yar, Northeast Siberia. <i>Permafrost and Periglacial Processes</i> , 2015 , 26, 208-288	4.2	73
37	Edaphic and microclimatic controls over permafrost response to fire in interior Alaska. <i>Environmental Research Letters</i> , 2013 , 8, 035013	6.2	57
36	Degradation and stabilization of ice wedges: Implications for assessing risk of thermokarst in northern Alaska. <i>Geomorphology</i> , 2017 , 297, 20-42	4.3	56
35	Deep Convolutional Neural Networks for Automated Characterization of Arctic Ice-Wedge Polygons in Very High Spatial Resolution Aerial Imagery. <i>Remote Sensing</i> , 2018 , 10, 1487	5	55
34	Cryostratigraphy and Permafrost Evolution in the Lacustrine Lowlands of West-Central Alaska. <i>Permafrost and Periglacial Processes</i> , 2014 , 25, 14-34	4.2	53
33	A decade of remotely sensed observations highlight complex processes linked to coastal permafrost bluff erosion in the Arctic. <i>Environmental Research Letters</i> , 2018 , 13, 115001	6.2	47
32	Long-term anoxia and release of ancient, labile carbon upon thaw of Pleistocene permafrost. <i>Geophysical Research Letters</i> , 2015 , 42, 10,730	4.9	44

31	Application of ground-penetrating radar imagery for three-dimensional visualisation of near-surface structures in ice-rich permafrost, Barrow, Alaska. <i>Permafrost and Periglacial Processes</i> , 2007 , 18, 309-321	4.2	43
30	Patterns and rates of riverbank erosion involving ice-rich permafrost (yedoma) in northern Alaska. <i>Geomorphology</i> , 2016 , 253, 370-384	4.3	37
29	Biogeochemical and geocryological characteristics of wedge and thermokarst-cave ice in the CRREL permafrost tunnel, Alaska. <i>Permafrost and Periglacial Processes</i> , 2011 , 22, 120-128	4.2	34
28	Coastal dynamics at the Barents and Kara Sea key sites. <i>Geo-Marine Letters</i> , 2005 , 25, 110-120	1.9	31
27	Recent Advances (2008-2015) in the Study of Ground Ice and Cryostratigraphy. <i>Permafrost and Periglacial Processes</i> , 2016 , 27, 377-389	4.2	29
26	Uranium isotopes and dissolved organic carbon in loess permafrost: Modeling the age of ancient ice. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 152, 143-165	5.5	22
25	Transferability of the Deep Learning Mask R-CNN Model for Automated Mapping of Ice-Wedge Polygons in High-Resolution Satellite and UAV Images. <i>Remote Sensing</i> , 2020 , 12, 1085	5	19
24	Understanding the synergies of deep learning and data fusion of multispectral and panchromatic high resolution commercial satellite imagery for automated ice-wedge polygon detection. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020 , 170, 174-191	11.8	18
23	Ice Wedge Degradation and Stabilization Impact Water Budgets and Nutrient Cycling in Arctic Trough Ponds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 2604-2616	3.7	18
22	Permafrost Organic Carbon Mobilization From the Watershed to the Colville River Delta: Evidence From 14C Ramped Pyrolysis and Lignin Biomarkers. <i>Geophysical Research Letters</i> , 2017 , 44, 11,491	4.9	16
21	Identifying historical and future potential lake drainage events on the western Arctic coastal plain of Alaska. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 110-127	4.2	14
20	Structure and properties of ice-rich permafrost near Anchorage, Alaska. <i>Cold Regions Science and Technology</i> , 2013 , 93, 1-11	3.8	13
19	Taliks, cryopegs, and permafrost dynamics related to channel migration, Colville River Delta, Alaska. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 239-254	4.2	11
18	Origin, burial and preservation of late Pleistocene-age glacier ice in Arctic permafrost (Bylot Island, NU, Canada). <i>Cryosphere</i> , 2019 , 13, 97-111	5.5	10
17	Syngenetic dynamic of permafrost of a polar desert solifluction lobe, Ward Hunt Island, Nunavut. <i>Arctic Science</i> , 2017 , 3, 301-319	2.2	9
16	Landscape impacts of 3D-seismic surveys in the Arctic National Wildlife Refuge, Alaska. <i>Ecological Applications</i> , 2020 , 30, e02143	4.9	8
15	Geophysical and cryostratigraphic investigations for road design in northern Alaska. <i>Cold Regions Science and Technology</i> , 2016 , 131, 24-38	3.8	8
14	Middle to late Wisconsinan climate and ecological changes in northern Alaska: Evidences from the Itkillik River Yedoma. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017 , 485, 906-916	2.9	7

13	Fluvio-thermal erosion and thermal denudation in the yedoma region of northern Alaska: Revisiting the Itkillik River exposure. <i>Permafrost and Periglacial Processes</i> , 2021 , 32, 277-298	4.2	6
12	Carbon Dioxide and Methane Flux in a Dynamic Arctic Tundra Landscape: Decadal-Scale Impacts of Ice Wedge Degradation and Stabilization. <i>Geophysical Research Letters</i> , 2020 , 47,	4.9	5
11	Soil data from fire and permafrost-thaw chronosequences in upland <i>Picea mariana</i> stands near Hess Creek and Tok, interior Alaska. <i>US Geological Survey Open-File Report</i> ,		5
10	Methane Content and Emission in the Permafrost Landscapes of Western Yamal, Russian Arctic. <i>Geosciences (Switzerland)</i> , 2020 , 10, 412	2.7	4
9	Geophysical Observations of Taliks Below Drained Lake Basins on the Arctic Coastal Plain of Alaska. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB020889	3.6	4
8	Circum-Arctic Map of the Yedoma Permafrost Domain. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	3
7	Assessing Riverbank Erosion and Land Cover Changes in Permafrost Regions Based on a Terrain Analysis Approach: An Example from the Colville River Delta, Northern Alaska 2019 ,		3
6	An Object-Based Approach for Mapping Tundra Ice-Wedge Polygon Troughs from Very High Spatial Resolution Optical Satellite Imagery. <i>Remote Sensing</i> , 2021 , 13, 558	5	3
5	Environment of the Beaufort Coastal Plain1-39		2
4	Recent Warming Fuels Increased Organic Carbon Export From Arctic Permafrost. <i>AGU Advances</i> , 2021 , 2, e2021AV000396	5.4	2
3	Remote Sensing-Based Statistical Approach for Defining Drained Lake Basins in a Continuous Permafrost Region, North Slope of Alaska. <i>Remote Sensing</i> , 2021 , 13, 2539	5	2
2	Geochemistry of Coastal Permafrost and Erosion-Driven Organic Matter Fluxes to the Beaufort Sea Near Drew Point, Alaska. <i>Frontiers in Earth Science</i> , 2021 , 8,	3.5	1
1	A new Stefan equation to characterize the evolution of thermokarst lake and talik geometry. <i>Cryosphere</i> , 2022 , 16, 1247-1264	5.5	