

# Ingmar Nitze

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2952968/publications.pdf>

Version: 2024-02-01

29  
papers

1,446  
citations

430442

18  
h-index

454577

30  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2011  
citing authors

#	ARTICLE	IF	CITATIONS
1	21st-century modeled permafrost carbon emissions accelerated by abrupt thaw beneath lakes. <i>Nature Communications</i> , 2018, 9, 3262.	5.8	187
2	Remote sensing quantifies widespread abundance of permafrost region disturbances across the Arctic and Subarctic. <i>Nature Communications</i> , 2018, 9, 5423.	5.8	179
3	Temporal optimisation of image acquisition for land cover classification with Random Forest and MODIS time-series. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 34, 136-146.	1.4	110
4	Landsat-Based Trend Analysis of Lake Dynamics across Northern Permafrost Regions. <i>Remote Sensing</i> , 2017, 9, 640.	1.8	110
5	Assessment of multi-temporal, multi-sensor radar and ancillary spatial data for grasslands monitoring in Ireland using machine learning approaches. <i>Remote Sensing of Environment</i> , 2014, 152, 109-124.	4.6	101
6	Reduced arctic tundra productivity linked with landform and climate change interactions. <i>Scientific Reports</i> , 2018, 8, 2345.	1.6	100
7	Detection of landscape dynamics in the Arctic Lena Delta with temporally dense Landsat time-series stacks. <i>Remote Sensing of Environment</i> , 2016, 181, 27-41.	4.6	76
8	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.	2.2	73
9	Tundra be dammed: Beaver colonization of the Arctic. <i>Global Change Biology</i> , 2018, 24, 4478-4488.	4.2	66
10	The catastrophic thermokarst lake drainage events of 2018 in northwestern Alaska: fast-forward into the future. <i>Cryosphere</i> , 2020, 14, 4279-4297.	1.5	51
11	Remote sensing annual dynamics of rapid permafrost thaw disturbances with LandTrendr. <i>Remote Sensing of Environment</i> , 2022, 268, 112752.	4.6	47
12	Geomorphological and Climatic Drivers of Thermokarst Lake Area Increase Trend (1999–2018) in the Kolyma Lowland Yedoma Region, North-Eastern Siberia. <i>Remote Sensing</i> , 2021, 13, 178.	1.8	40
13	Rapid Fluvio-Thermal Erosion of a Yedoma Permafrost Cliff in the Lena River Delta. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	38
14	Climatic and limnological changes at Lake Karakul (Tajikistan) during the last ~29 k.a. <i>Journal of Paleolimnology</i> , 2017, 58, 317-334.	0.8	36
15	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.	1.5	30
16	Tundra landform and vegetation productivity trend maps for the Arctic Coastal Plain of northern Alaska. <i>Scientific Data</i> , 2018, 5, 180058.	2.4	26
17	Expanding infrastructure and growing anthropogenic impacts along Arctic coasts. <i>Environmental Research Letters</i> , 2021, 16, 115013.	2.2	26
18	Increase in beaver dams controls surface water and thermokarst dynamics in an Arctic tundra region, Baldwin Peninsula, northwestern Alaska. <i>Environmental Research Letters</i> , 2020, 15, 075005.	2.2	20

#	ARTICLE	IF	CITATIONS
19	Developing and Testing a Deep Learning Approach for Mapping Retrogressive Thaw Slumps. Remote Sensing, 2021, 13, 4294.	1.8	20
20	A lake-centric geospatial database to guide research and inform management decisions in an Arctic watershed in northern Alaska experiencing climate and land-use changes. Ambio, 2017, 46, 769-786.	2.8	19
21	Organic Carbon and Nitrogen Stocks Along a Thermokarst Lake Sequence in Arctic Alaska. Journal of Geophysical Research C: Biogeosciences, 2019, 124, 1230-1247.	1.3	16
22	Onshore Thermokarst Primes Subsea Permafrost Degradation. Geophysical Research Letters, 2021, 48, e2021GL093881.	1.5	12
23	A Quantitative Graph-Based Approach to Monitoring Ice-Wedge Trough Dynamics in Polygonal Permafrost Landscapes. Remote Sensing, 2021, 13, 3098.	1.8	12
24	Feasibility Study for the Application of Synthetic Aperture Radar for Coastal Erosion Rate Quantification Across the Arctic. Frontiers in Environmental Science, 2020, 8, .	1.5	8
25	Remote Sensing-Based Statistical Approach for Defining Drained Lake Basins in a Continuous Permafrost Region, North Slope of Alaska. Remote Sensing, 2021, 13, 2539.	1.8	8
26	Expanding beaver pond distribution in Arctic Alaska, 1949 to 2019. Scientific Reports, 2022, 12, 7123.	1.6	8
27	Thermokarst Lagoons: A Core-Based Assessment of Depositional Characteristics and an Estimate of Carbon Pools on the Bykovsky Peninsula. Frontiers in Earth Science, 2021, 9, .	0.8	7
28	The Arctic Nearshore Turbidity Algorithm (ANTA) - A multi sensor turbidity algorithm for Arctic nearshore environments. Science of Remote Sensing, 2021, 4, 100036.	2.2	6
29	Disturbance-effects on treeline larch-stands in the lower Kolyma River area (NE Siberia). Silva Fennica, 2017, 51, .	0.5	5