

Michael Fritz

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,368
citations

331670

21
h-index

345221

36
g-index

65
all docs

65
docs citations

65
times ranked

1423
citing authors

#	ARTICLE	IF	CITATIONS
1	A new local meteoric water line for Inuvik (NT, Canada). <i>Earth System Science Data</i> , 2022, 14, 57-63.	9.9	7
2	Redrawing permafrost outreach. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 7-7.	29.7	1
3	Permafrost Carbon and CO ₂ Pathways Differ at Contrasting Coastal Erosion Sites in the Canadian Arctic. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	21
4	Northeast Siberian Permafrost Iceâ€Wedge Stable Isotopes Depict Pronounced Last Glacial Maximum Winter Cooling. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092087.	4.0	17
5	First pan-Arctic assessment of dissolved organic carbon in lakes of the permafrost region. <i>Biogeosciences</i> , 2021, 18, 3917-3936.	3.3	12
6	Paleo-Ecology of the Yedoma Ice Complex on Sobo-Sise Island (EasternLena Delta, Siberian Arctic). <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	8
7	Burial and Origin of Permafrostâ€Derived Carbon in the Nearshore Zone of the Southern Canadian Beaufort Sea. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085897.	4.0	28
8	Nearshore Zone Dynamics Determine Pathway of Organic Carbon From Eroding Permafrost Coasts. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088561.	4.0	18
9	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
10	Hot trends and impact in permafrost science. <i>Permafrost and Periglacial Processes</i> , 2020, 31, 461-471.	3.4	14
11	The cryostratigraphy of the Yedoma cliff of Sobo-Sise Island (Lena delta) reveals permafrost dynamics in the central Laptev Sea coastal region during the last 52â€%kyr. <i>Cryosphere</i> , 2020, 14, 4525-4551.	3.9	17
12	Rapid CO ₂ Release From Eroding Permafrost in Seawater. <i>Geophysical Research Letters</i> , 2019, 46, 11244-11252.	4.0	54
13	The Permafrost Young Researchers Network (PYRN) is getting older: The past, present, and future of our evolving community. <i>Polar Record</i> , 2019, 55, 216-219.	0.8	1
14	Comparisons of dissolved organic matter and its optical characteristics in small low and high Arctic catchments. <i>Biogeosciences</i> , 2019, 16, 4535-4553.	3.3	20
15	Burial and Origin of Permafrost Derived Carbon in the Nearshore Zone of the Southern Canadian Beaufort Sea. , 2019, , .		0
16	Coastal Erosion of Permafrost Soils Along the Yukon Coastal Plain and Fluxes of Organic Carbon to the Canadian Beaufort Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 406-422.	3.0	52
17	Permafrost degradation on a warmer Earth: Challenges and perspectives. <i>Current Opinion in Environmental Science and Health</i> , 2018, 5, 14-18.	4.1	33
18	Summer rainfall dissolved organic carbon, solute, and sediment fluxes in a small Arctic coastal catchment on Herschel Island (Yukon Territory, Canada). <i>Arctic Science</i> , 2018, 4, 750-780.	2.3	20

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19	“Frozen-Ground Cartoons” Permafrost comics as an innovative tool for polar outreach, education, and engagement. <i>Polar Record</i> , 2018, 54, 366-372.	0.8	6
20	Climatic, geomorphologic and hydrologic perturbations as drivers for mid- to late Holocene development of ice-wedge polygons in the western Canadian Arctic. <i>Permafrost and Periglacial Processes</i> , 2018, 29, 164-181.	3.4	15
21	Holocene thermokarst and pingo development in the Kolyma Lowland (NE Siberia). <i>Permafrost and Periglacial Processes</i> , 2018, 29, 182-198.	3.4	26
22	Regional environmental change versus local signal preservation in Holocene thermokarst lake sediments: A case study from Herschel Island, Yukon (Canada). <i>Journal of Paleolimnology</i> , 2018, 60, 77-96.	1.6	18
23	Coastal erosion and mass wasting along the Canadian Beaufort Sea based on annual airborne LiDAR elevation data. <i>Geomorphology</i> , 2017, 293, 331-346.	2.6	67
24	Effect of Terrain Characteristics on Soil Organic Carbon and Total Nitrogen Stocks in Soils of Herschel Island, Western Canadian Arctic. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 92-107.	3.4	46
25	Transformation of terrestrial organic matter along thermokarst-affected permafrost coasts in the Arctic. <i>Science of the Total Environment</i> , 2017, 581-582, 434-447.	8.0	45
26	Tundra vegetation stability versus lake-basin variability on the Yukon Coastal Plain (NW Canada) during the past three centuries. <i>Holocene</i> , 2017, 27, 1846-1858.	1.7	7
27	Collapsing Arctic coastlines. <i>Nature Climate Change</i> , 2017, 7, 6-7.	18.8	145
28	Arctic in Rapid Transition: Priorities for the future of marine and coastal research in the Arctic. <i>Polar Science</i> , 2016, 10, 364-373.	1.2	14
29	Eroding permafrost coasts release low amounts of dissolved organic carbon (DOC) from ground ice into the nearshore zone of the Arctic Ocean. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1054-1068.	4.9	35
30	Impacts of shore expansion and catchment characteristics on lacustrine thermokarst records in permafrost lowlands, Alaska Arctic Coastal Plain. <i>Arktos</i> , 2016, 2, 1.	1.0	16
31	Vegetation composition and shrub extent on the Yukon coast, Canada, are strongly linked to ice-wedge polygon degradation. <i>Polar Research</i> , 2016, 35, 27489.	1.6	33
32	Relation between planimetric and volumetric measurements of permafrost coast erosion: a case study from Herschel Island, western Canadian Arctic. <i>Polar Research</i> , 2016, 35, 30313.	1.6	36
33	Holocene ice-wedge polygon development in northern Yukon permafrost peatlands (Canada). <i>Quaternary Science Reviews</i> , 2016, 147, 279-297.	3.0	39
34	Erosion and Flooding—Threats to Coastal Infrastructure in the Arctic: A Case Study from Herschel Island, Yukon Territory, Canada. <i>Estuaries and Coasts</i> , 2016, 39, 900-915.	2.2	83
35	Variability in transport of terrigenous material on the shelves and the deep Arctic Ocean during the Holocene. <i>Polar Research</i> , 2015, 34, 24964.	1.6	59
36	Brief Communication: Future avenues for permafrost science from the perspective of early career researchers. <i>Cryosphere</i> , 2015, 9, 1715-1720.	3.9	31

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37	Dissolved organic carbon (DOC) in Arctic ground ice. <i>Cryosphere</i> , 2015, 9, 737-752.	3.9	42
38	Periglacial landscape dynamics in the western Canadian Arctic: Results from a thermokarst lake record on a push moraine (Herschel Island, Yukon Territory). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 381-382, 15-25.	2.3	20
39	Eastern Beringia and beyond: Late Wisconsinan and Holocene landscape dynamics along the Yukon Coastal Plain, Canada. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 319-320, 28-45.	2.3	69
40	Late glacial and Holocene sedimentation, vegetation, and climate history from easternmost Beringia (northern Yukon Territory, Canada). <i>Quaternary Research</i> , 2012, 78, 549-560.	1.7	18
41	Modern and Late Holocene Retrogressive Thaw Slump Activity on the Yukon Coastal Plain and Herschel Island, Yukon Territory, Canada. <i>Permafrost and Periglacial Processes</i> , 2012, 23, 39-51.	3.4	75
42	Origin and characteristics of massive ground ice on Herschel Island (western Canadian Arctic) as revealed by stable water isotope and Hydrochemical signatures. <i>Permafrost and Periglacial Processes</i> , 2011, 22, 26-38.	3.4	54