

Frank GÃ¼nther

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,647
citations

279487

23
h-index

454577

30
g-index

43
all docs

43
docs citations

43
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	Short- and long-term thermo-erosion of ice-rich permafrost coasts in the Laptev Sea region. <i>Biogeosciences</i> , 2013, 10, 4297-4318.	1.3	167
2	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.	1.5	142
3	Spatial analyses of thermokarst lakes and basins in Yedoma landscapes of the Lena Delta. <i>Cryosphere</i> , 2011, 5, 849-867.	1.5	121
4	Evolution of thermokarst in East Siberian ice-rich permafrost: A case study. <i>Geomorphology</i> , 2013, 201, 363-379.	1.1	92
5	Coastal changes in the Arctic. <i>Geological Society Special Publication</i> , 2014, 388, 103-129.	0.8	79
6	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
7	Thermokarst in Siberian ice-rich permafrost: Comparison to asymmetric scalloped depressions on Mars. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	69
8	Satellite-derived changes in the permafrost landscape of central Yakutia, 2000â€“2011: Wetting, drying, and fires. <i>Global and Planetary Change</i> , 2016, 139, 116-127.	1.6	69
9	Coastal erosion and mass wasting along the Canadian Beaufort Sea based on annual airborne LiDAR elevation data. <i>Geomorphology</i> , 2017, 293, 331-346.	1.1	67
10	Sentinel-1 SAR Interferometry for Surface Deformation Monitoring in Low-Land Permafrost Areas. <i>Remote Sensing</i> , 2018, 10, 1360.	1.8	67
11	PeRL: a Circum-Arctic Permafrost Region Pond and Lake database. <i>Earth System Science Data</i> , 2017, 9, 317-348.	3.7	62
12	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.	1.3	55
13	Variability in Rates of Coastal Change Along the Yukon Coast, 1951 to 2015. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 779-800.	1.0	50
14	Circum-Arctic Map of the Yedoma Permafrost Domain. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	49
15	Geomorphological and Climatic Drivers of Thermokarst Lake Area Increase Trend (1999â€“2018) in the Kolyma Lowland Yedoma Region, North-Eastern Siberia. <i>Remote Sensing</i> , 2021, 13, 178.	1.8	40
16	Coastal dynamics and submarine permafrost in shallow water of the central Laptev Sea, East Siberia. <i>Cryosphere</i> , 2016, 10, 1449-1462.	1.5	39
17	Carbon and nitrogen pools in thermokarst-affected permafrost landscapes in Arctic Siberia. <i>Biogeosciences</i> , 2018, 15, 953-971.	1.3	38
18	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

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19	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
20	Sub-seasonal thaw slump mass wasting is not consistently energy limited at the landscape scale. <i>Cryosphere</i> , 2018, 12, 549-564.	1.5	35
21	Past climate and continentality inferred from ice wedges at Batagay megaslump in the Northern Hemisphere's most continental region, Yana Highlands, interior Yakutia. <i>Climate of the Past</i> , 2019, 15, 1443-1461.	1.3	35
22	Sentinel-1 InSAR Measurements of Elevation Changes over Yedomu Uplands on Sobo-Sise Island, Lena Delta. <i>Remote Sensing</i> , 2018, 10, 1152.	1.8	31
23	Ocean colour remote sensing in the southern Laptev Sea: evaluation and applications. <i>Biogeosciences</i> , 2014, 11, 4191-4210.	1.3	28
24	Holocene thermokarst and pingo development in the Kolyma Lowland (NE Siberia). <i>Permafrost and Periglacial Processes</i> , 2018, 29, 182-198.	1.5	26
25	Ice Complex formation on Bol'shoy Lyakhovsky Island (New Siberian Archipelago, East Siberian Arctic) since about 200 ka. <i>Quaternary Research</i> , 2019, 92, 530-548.	1.0	26
26	Thermokarst erosional valleys in Siberian ice-rich permafrost. <i>Permafrost and Periglacial Processes</i> , 2021, 32, 59-75.	1.5	18
27	Organic Carbon and Nitrogen Stocks Along a Thermokarst Lake Sequence in Arctic Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1230-1247.	1.3	16
28	Sediment characteristics of a thermokarst lagoon in the northeastern Siberian Arctic (Ivashkina). <i>Journal of Geophysical Research</i> , 2014, 119, 10T01-T014.	1.0	14
29	Onshore Thermokarst Primes Subsea Permafrost Degradation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093881.	1.5	12
30	Spatiotemporal Variability of Coastal Retreat Rates at Western Yamal Peninsula, Russia, based on Remotely Sensed Data. <i>Journal of Coastal Research</i> , 2020, 95, 367.	0.1	6
31	Monitoring permafrost and thermokarst processes with TanDEM-X DEM time series: Opportunities and limitations. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 1-14.		2