

Mathias Ulrich

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,455
citations

430754

18
h-index

526166

27
g-index

38
all docs

38
docs citations

38
times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Yedoma permafrost: A synthesis of depositional characteristics and carbon vulnerability. <i>Earth-Science Reviews</i> , 2017, 172, 75-86.	4.0	236
2	The deep permafrost carbon pool of the Yedoma region in Siberia and Alaska. <i>Geophysical Research Letters</i> , 2013, 40, 6165-6170.	1.5	187
3	Landsat-Based Trend Analysis of Lake Dynamics across Northern Permafrost Regions. <i>Remote Sensing</i> , 2017, 9, 640.	1.8	110
4	Evolution of thermokarst in East Siberian ice-rich permafrost: A case study. <i>Geomorphology</i> , 2013, 201, 363-379.	1.1	92
5	Quantifying Wedge-Ice Volumes in Yedoma and Thermokarst Basin Deposits. <i>Permafrost and Periglacial Processes</i> , 2014, 25, 151-161.	1.5	72
6	Thermokarst in Siberian ice-rich permafrost: Comparison to asymmetric scalloped depressions on Mars. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	69
7	Polygon pattern geomorphometry on Svalbard (Norway) and western Utopia Planitia (Mars) using high-resolution stereo remote-sensing data. <i>Geomorphology</i> , 2011, 134, 197-216.	1.1	64
8	Permafrost livelihoods: A transdisciplinary review and analysis of thermokarst-based systems of indigenous land use. <i>Anthropocene</i> , 2017, 18, 89-104.	1.6	63
9	Spectral characterization of periglacial surfaces and geomorphological units in the Arctic Lena Delta using field spectrometry and remote sensing. <i>Remote Sensing of Environment</i> , 2009, 113, 1220-1235.	4.6	51
10	Late Quaternary paleoenvironmental records from the western Lena Delta, Arctic Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 299, 175-196.	1.0	51
11	Circum-Arctic Map of the Yedoma Permafrost Domain. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	49
12	Landscape evolution in Martian mid-latitude regions: insights from analogous periglacial landforms in Svalbard. <i>Geological Society Special Publication</i> , 2011, 356, 111-131.	0.8	46
13	Differences in behavior and distribution of permafrost-related lakes in central Yakutia and their response to climatic drivers. <i>Water Resources Research</i> , 2017, 53, 1167-1188.	1.7	46
14	Lake and drained lake basin systems in lowland permafrost regions. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 85-98.	12.2	41
15	Present-day variability and Holocene dynamics of permafrost-affected lakes in central Yakutia (Eastern) Tj ETQq1 1 0.784314 39 BT / Over	1.4	39
16	Habitable periglacial landscapes in martian mid-latitudes. <i>Icarus</i> , 2012, 219, 345-357.	1.1	36
17	Rapid thermokarst evolution during the mid-Holocene in Central Yakutia, Russia. <i>Holocene</i> , 2017, 27, 1899-1913.	0.9	28
18	The genesis of Yedoma Ice Complex permafrost – grain-size endmember modeling analysis from Siberia and Alaska. <i>E&G Quaternary Science Journal</i> , 2020, 69, 33-53.	0.2	28

#	ARTICLE	IF	CITATIONS
19	Terrestrial gullies and debris-flow tracks on Svalbard as planetary analogs for Mars. , 2011, , .		24
20	Holocene thermokarst dynamics in Central Yakutia – A multi-core and robust grain-size endmember modeling approach. <i>Quaternary Science Reviews</i> , 2019, 218, 10-33.	1.4	21
21	Greenhouse gas production and lipid biomarker distribution in Yedoma and Alas thermokarst lake sediments in Eastern Siberia. <i>Global Change Biology</i> , 2021, 27, 2822-2839.	4.2	21
22	Periglacial landscapes on Svalbard: Terrestrial analogs for cold-climate landforms on Mars. , 2011, , .		17
23	Organic carbon characteristics in ice-rich permafrost in Alas and Yedoma deposits, central Yakutia, Siberia. <i>Biogeosciences</i> , 2020, 17, 3797-3814.	1.3	17
24	The fluvial architecture of buried floodplain sediments of the Weiße Elster River (Germany) revealed by a novel method combination of drill cores with two-dimensional and spatially resolved geophysical measurements. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 955-976.	1.2	13
25	Reconstruction of the history of a thermokarst lake in the Mid-Holocene based on an analysis of subfossil Cladocera (Siberia, Central Yakutia). <i>Contemporary Problems of Ecology</i> , 2017, 10, 423-430.	0.3	9
26	Geochemistry and Weathering Indices of Yedoma and Alas Deposits beneath Thermokarst Lakes in Central Yakutia. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	7
27	Thermokarst Landscape Development Detected by Multiple-Geospatial Data in Churapcha, Eastern Siberia. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	7
28	Mercury in Sediment Core Samples From Deep Siberian Ice-Rich Permafrost. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	3
29	Accuracy and Reproducibility of Laboratory Diffuse Reflectance Measurements with Portable VNIR and MIR Spectrometers for Predictive Soil Organic Carbon Modeling. <i>Sensors</i> , 2022, 22, 2749.	2.1	3
30	Large-scale investigations of Neolithic settlement dynamics in Central Germany based on machine learning analysis: A case study from the Weiße Elster river catchment. <i>PLoS ONE</i> , 2022, 17, e0265835.	1.1	3