

Louise Farquharson

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

775
citations

623574

14
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate Change Drives Widespread and Rapid Thermokarst Development in Very Cold Permafrost in the Canadian High Arctic. <i>Geophysical Research Letters</i> , 2019, 46, 6681-6689.	1.5	168
2	Drivers, dynamics and impacts of changing Arctic coasts. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 39-54.	12.2	74
3	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
4	Spatial distribution of thermokarst terrain in Arctic Alaska. <i>Geomorphology</i> , 2016, 273, 116-133.	1.1	66
5	Using the deuterium isotope composition of permafrost meltwater to constrain thermokarst lake contributions to atmospheric CH ₄ during the last deglaciation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	64
6	Temporal and spatial variability in coastline response to declining sea-ice in northwest Alaska. <i>Marine Geology</i> , 2018, 404, 71-83.	0.9	47
7	Lake and drained lake basin systems in lowland permafrost regions. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 85-98.	12.2	41
8	Facies analysis of yedoma thermokarst lakes on the northern Seward Peninsula, Alaska. <i>Sedimentary Geology</i> , 2016, 340, 25-37.	1.0	38
9	Aeolian stratigraphy describes ice-age paleoenvironments in unglaciated Arctic Alaska. <i>Quaternary Science Reviews</i> , 2018, 182, 175-190.	1.4	33
10	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
11	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S239-S286.	1.7	29
12	Sub-aerial talik formation observed across the discontinuous permafrost zone of Alaska. <i>Nature Geoscience</i> , 2022, 15, 475-481.	5.4	23
13	Prevention and control measures for coastal erosion in northern high-latitude communities: a systematic review based on Alaskan case studies. <i>Environmental Research Letters</i> , 2020, 15, 093002.	2.2	18
14	Landsat-based lake distribution and changes in western Alaska permafrost regions between the 1970s and 2010s. <i>Environmental Research Letters</i> , 2021, 16, 025006.	2.2	15
15	Alaskan marine transgressions record out-of-phase Arctic Ocean glaciation during the last interglacial. <i>Geology</i> , 2018, 46, 783-786.	2.0	11
16	Isotopic evidence for Holocene January air temperature variability on the East Chukotka Peninsula. <i>Permafrost and Periglacial Processes</i> , 2018, 29, 283-297.	1.5	11
17	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.	1.4	9
18	Understanding Effects of Permafrost Degradation and Coastal Erosion on Civil Infrastructure in Arctic Coastal Villages: A Community Survey and Knowledge Co-Production. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 422.	1.2	9

#	ARTICLE	IF	CITATIONS
19	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
20	Synthesis of physical processes of permafrost degradation and geophysical and geomechanical properties of permafrost. Cold Regions Science and Technology, 2022, 198, 103522.	1.6	8