Louise Farquharson

List of Publications by Year
in descending order

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	Lake and drained lake basin systems in lowland permafrost regions. Nature Reviews Earth & Environment, 2022, 3, 85-98.	12.2	41
2	Drivers, dynamics and impacts of changing Arctic coasts. Nature Reviews Earth & Environment, 2022, 3, 39-54.	12.2	74
3	Understanding Effects of Permafrost Degradation and Coastal Erosion on Civil Infrastructure in Arctic Coastal Villages: A Community Survey and Knowledge Co-Production. Journal of Marine Science and Engineering, 2022, 10, 422.	1.2	9
4	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
5	Sub-aerial talik formation observed across the discontinuous permafrost zone of Alaska. Nature Geoscience, 2022, 15, 475-481.	5.4	23
6	Geophysical Observations of Taliks Below Drained Lake Basins on the Arctic Coastal Plain of Alaska. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020889.	1.4	9
7	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
8	Landsat-based lake distribution and changes in western Alaska permafrost regions between the 1970s and 2010s. Environmental Research Letters, 2021, 16, 025006.	2.2	15
9	Identifying historical and future potential lake drainage events on the western Arctic coastal plain of Alaska. Permafrost and Periglacial Processes, 2020, 31, 110-127.	1.5	30
10	Prevention and control measures for coastal erosion in northern high-latitude communities: a systematic review based on Alaskan case studies. Environmental Research Letters, 2020, 15, 093002.	2.2	18
11	The Arctic. Bulletin of the American Meteorological Society, 2020, 101, S239-S286.	1.7	29
12	Climate Change Drives Widespread and Rapid Thermokarst Development in Very Cold Permafrost in the Canadian High Arctic. Geophysical Research Letters, 2019, 46, 6681-6689.	1.5	168
13	Aeolian stratigraphy describes ice-age paleoenvironments in unglaciated Arctic Alaska. Quaternary Science Reviews, 2018, 182, 175-190.	1.4	33
14	Alaskan marine transgressions record out-of-phase Arctic Ocean glaciation during the last interglacial. Geology, 2018, 46, 783-786.	2.0	11
15	A decade of remotely sensed observations highlight complex processes linked to coastal permafrost bluff erosion in the Arctic. Environmental Research Letters, 2018, 13, 115001.	2.2	73
16	Isotopic evidence for Holocene January air temperature variability on the East Chukotka Peninsula. Permafrost and Periglacial Processes, 2018, 29, 283-297.	1.5	11
17	Temporal and spatial variability in coastline response to declining sea-ice in northwest Alaska. Marine Geology, 2018, 404, 71-83.	0.9	47
18	Spatial distribution of thermokarst terrain in Arctic Alaska. Geomorphology, 2016, 273, 116-133.	1.1	66

#	Article	IF	Citations
19	Facies analysis of yedoma thermokarst lakes on the northern Seward Peninsula, Alaska. Sedimentary Geology, 2016, 340, 25-37.	1.0	38
20	Using the deuterium isotope composition of permafrost meltwater to constrain thermokarst lake contributions to atmospheric CH₄ during the last deglaciation. Journal of Geophysical Research, 2012, 117, .	3.3	64