

Kathleen M RÃ¼hland

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,619
citations

430874

18
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

2614
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate-driven regime shifts in the biological communities of arctic lakes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4397-4402.	7.1	828
2	Hemispheric-scale patterns of climate-related shifts in planktonic diatoms from North American and European lakes. Global Change Biology, 2008, 14, 2740-2754.	9.5	389
3	Lake diatom responses to warming: reviewing the evidence. Journal of Paleolimnology, 2015, 54, 1-35.	1.6	347
4	Paleolimnological Evidence from Diatoms for Recent Environmental Changes in 50 Lakes across Canadian Arctic Treeline. Arctic, Antarctic, and Alpine Research, 2003, 35, 110-123.	1.1	188
5	Do spectrally inferred determinations of chlorophyll a reflect trends in lake trophic status?. Journal of Paleolimnology, 2010, 43, 205-217.	1.6	156
6	Aerosol-weakened summer monsoons decrease lake fertilization on the Chinese Loess Plateau. Nature Climate Change, 2017, 7, 190-194.	18.8	106
7	Ecology and spatial distributions of surface-sediment diatoms from 77 lakes in the subarctic Canadian treeline region. Canadian Journal of Botany, 2003, 81, 57-73.	1.1	68
8	Accelerated melting of Himalayan snow and ice triggers pronounced changes in a valley peatland from northern India. Geophysical Research Letters, 2006, 33, .	4.0	66
9	FRESHWATER DIATOMS FROM THE CANADIAN ARCTIC TREELINE AND DEVELOPMENT OF PALEOLIMNOLOGICAL INFERENCE MODELS 1. Journal of Phycology, 2002, 38, 249-264.	2.3	65
10	Limnological Characteristics of 70 Lakes Spanning Arctic Treeline from Coronation Gulf to Great Slave Lake in the Central Northwest Territories, Canada. International Review of Hydrobiology, 1998, 83, 183-203.	0.9	56
11	Abruptly and irreversibly changing Arctic freshwaters urgently require standardized monitoring. Journal of Applied Ecology, 2020, 57, 1192-1198.	4.0	50
12	Climate change and Saharan dust drive recent cladoceran and primary production changes in remote alpine lakes of Sierra Nevada, Spain. Global Change Biology, 2018, 24, e139-e158.	9.5	43
13	Why is the relative abundance of <i>Asterionella formosa</i> increasing in a Boreal Shield lake as nutrient levels decline?. Journal of Paleolimnology, 2016, 55, 357-367.	1.6	32
14	Response of Diatoms and Other Siliceous Indicators to the Developmental History of a Peatland in the Tiksi Forest, Siberia, Russia. Arctic, Antarctic, and Alpine Research, 2000, 32, 167-178.	1.1	31
15	Recent ecological responses to climate variability and human impacts in the Nianbaoyeze Mountains (eastern Tibetan Plateau) inferred from pollen, diatom and tree-ring data. Journal of Paleolimnology, 2014, 51, 287-302.	1.6	26
16	Abrupt climatic events during the last glacial-interglacial transition in Alaska. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	25
17	ABSENCE OF EVIDENCE IS NOT EVIDENCE OF ABSENCE: IS <i>STEPHANODISCUS BINDERANUS</i> (BACILLARIOPHYCEAE) AN EXOTIC SPECIES IN THE GREAT LAKES REGION?. Journal of Phycology, 2012, 48, 270-274.	2.3	19
18	Assessment of multi-trophic changes in a shallow boreal lake simultaneously exposed to climate change and aerial deposition of contaminants from the Athabasca Oil Sands Region, Canada. Science of the Total Environment, 2017, 592, 573-583.	8.0	19

#	ARTICLE	IF	CITATIONS
19	Biodiversity patterns of Arctic diatom assemblages in lakes and streams: Current reference conditions and historical context for biomonitoring. <i>Freshwater Biology</i> , 2022, 67, 116-140.	2.4	18
20	Biogeochemical responses to climate change and anthropogenic nitrogen deposition from a 200-year record from Tianchi Lake, Chinese Loess Plateau. <i>Quaternary International</i> , 2018, 493, 22-30.	1.5	17
21	An introduction to Lake of the Woods from science to governance in an international waterbody. <i>Lake and Reservoir Management</i> , 2017, 33, 325-334.	1.3	13
22	Long-term ecological changes in Mediterranean mountain lakes linked to recent climate change and Saharan dust deposition revealed by diatom analyses. <i>Science of the Total Environment</i> , 2020, 727, 138519.	8.0	13
23	First circumpolar assessment of Arctic freshwater phytoplankton and zooplankton diversity: Spatial patterns and environmental factors. <i>Freshwater Biology</i> , 2022, 67, 141-158.	2.4	13
24	Response of Diatoms and Other Siliceous Indicators to the Developmental History of a Peatland in the Tiksi Forest, Siberia, Russia. <i>Arctic, Antarctic, and Alpine Research</i> , 2000, 32, 167.	1.1	12
25	Aquatic ecosystem responses to environmental and climatic changes in NE China since the last deglaciation (17,500 cal BP) tracked by diatom assemblages from Lake Moon. <i>Quaternary Science Reviews</i> , 2021, 272, 107218.	3.0	11
26	Metal contamination in alkaline Phantom Lake (Flin Flon, Manitoba, Canada) generates strong responses in multiple paleolimnological proxies. <i>Science of the Total Environment</i> , 2022, 811, 152299.	8.0	7
27	Paleolimnological Indicators of Global Change. , 2022, , 279-291.		1