

Rachel M Pilla

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

952
citations

759233

12
h-index

940533

16
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17
all docs

17
docs citations

17
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread deoxygenation of temperate lakes. <i>Nature</i> , 2021, 594, 66-70.	27.8	267
2	Ecological consequences of long-term browning in lakes. <i>Scientific Reports</i> , 2016, 5, 18666.	3.3	168
3	Climate change drives widespread shifts in lake thermal habitat. <i>Nature Climate Change</i> , 2021, 11, 521-529.	18.8	87
4	Transparency, Geomorphology and Mixing Regime Explain Variability in Trends in Lake Temperature and Stratification across Northeastern North America (1975–2014). <i>Water (Switzerland)</i> , 2017, 9, 442.	2.7	77
5	Sentinel responses to droughts, wildfires, and floods: effects of UV radiation on lakes and their ecosystem services. <i>Frontiers in Ecology and the Environment</i> , 2016, 14, 102-109.	4.0	67
6	Browning-Related Decreases in Water Transparency Lead to Long-Term Increases in Surface Water Temperature and Thermal Stratification in Two Small Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1651-1665.	3.0	63
7	Deeper waters are changing less consistently than surface waters in a global analysis of 102 lakes. <i>Scientific Reports</i> , 2020, 10, 20514.	3.3	56
8	Browning-related oxygen depletion in an oligotrophic lake. <i>Inland Waters</i> , 2018, 8, 255-263.	2.2	40
9	A New Thermal Categorization of Ice-Covered Lakes. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091374.	4.0	31
10	Earlier winter/spring runoff and snowmelt during warmer winters lead to lower summer chlorophyll <i>a</i> in north temperate lakes. <i>Global Change Biology</i> , 2021, 27, 4615-4629.	9.5	22
11	LakeEnsemblR: An R package that facilitates ensemble modelling of lakes. <i>Environmental Modelling and Software</i> , 2021, 143, 105101.	4.5	21
12	Habitat-Mediated Responses of Zooplankton to Decreasing Light in Two Temperate Lakes Undergoing Long-Term Browning. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	15
13	Attenuation of photosynthetically active radiation and ultraviolet radiation in response to changing dissolved organic carbon in browning lakes: Modeling and parametrization. <i>Limnology and Oceanography</i> , 2021, 66, 2278-2289.	3.1	13
14	Earlier ice breakup induces change-point responses in duration and variability of spring mixing and summer stratification in dimictic lakes. <i>Limnology and Oceanography</i> , 2022, 67, .	3.1	11
15	Global data set of long-term summertime vertical temperature profiles in 153 lakes. <i>Scientific Data</i> , 2021, 8, 200.	5.3	7
16	Getting lost tracking the carbon footprint of hydropower. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 162, 112408.	16.4	7