Jennifer A Brentrup

List of Publications by Year
in descending order

19 papers	886 citations	687363 13 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1415 citing authors

#	Article	IF	Citations
1	Lake salinization drives consistent losses of zooplankton abundance and diversity across coordinated mesocosm experiments. Limnology and Oceanography Letters, 2023, 8, 19-29.	3.9	21
2	Current water quality guidelines across North America and Europe do not protect lakes from salinization. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	49
3	Using nearâ€term forecasts and uncertainty partitioning to inform prediction of oligotrophic lake cyanobacterial density. Ecological Applications, 2022, 32, e2590.	3.8	6
4	Dynamics of the streamâ€“lake transitional zone affect littoral lake metabolism. Aquatic Sciences, 2022, 84, 1.	1.5	3
5	Under-ice respiration rates shift the annual carbon cycle in the mixed layer of an oligotrophic lake from autotrophy to heterotrophy. Inland Waters, 2021, 11, 114-123.	2.2	12
6	A New Thermal Categorization of Iceâ€Covered Lakes. Geophysical Research Letters, 2021, 48, e2020GL091374.	4.0	31
7	Training macrosystems scientists requires both interpersonal and technical skills. Frontiers in Ecology and the Environment, 2021, 19, 39-46.	4.0	12
8	High frequency monitoring reveals fine scale spatial and temporal dynamics of the deep chlorophyll maximum of a stratified coastal lagoon. Estuarine, Coastal and Shelf Science, 2019, 218, 278-291.	2.1	9
9	Browningâ€Related Decreases in Water Transparency Lead to Longâ€Term Increases in Surface Water Temperature and Thermal Stratification in Two Small Lakes. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1651-1665.	3.0	63
10	Patterns and drivers of deep chlorophyll maxima structure in 100 lakes: The relative importance of light and thermal stratification. Limnology and Oceanography, 2018, 63, 628-646.	3.1	119
11	Browning-related oxygen depletion in an oligotrophic lake. Inland Waters, 2018, 8, 255-263.	2.2	40
12	The potential of high-frequency profiling to assess vertical and seasonal patterns of phytoplankton dynamics in lakes: an extension of the Plankton Ecology Group (PEG) model. Inland Waters, 2016, 6, 565-580.	2.2	34
13	Consequences of gas flux model choice on the interpretation of metabolic balance across 15 lakes. Inland Waters, 2016, 6, 581-592.	2.2	35
14	Sentinel responses to droughts, wildfires, and floods: effects of <scp>UV</scp> radiation on lakes and their ecosystem services. Frontiers in Ecology and the Environment, 2016, 14, 102-109.	4.0	67
15	Quantifying pelagic phosphorus regeneration using three methods in lakes of varying productivity. Inland Waters, 2016, 6, 509-522.	2.2	6
16	Ecological consequences of long-term browning in lakes. Scientific Reports, 2016, 5, 18666.	3.3	168
17	The importance of lakeâ€specific characteristics for water quality across the continental United States. Ecological Applications, 2015, 25, 943-955.	3.8	102
18	Experimental blooms of the cyanobacterium Gloeotrichia echinulata increase phytoplankton biomass, richness and diversity in an oligotrophic lake. Journal of Plankton Research, 2014, 36, 364-377.	1.8	28

#	Article	IF	Citations
19	Lakes as sensors in the landscape: Optical metrics as scalable sentinel responses to climate change. Limnology and Oceanography, 2014, 59, 840-850.	3.1	81