

# Jennifer A Brentrup

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4702638/publications.pdf>

Version: 2024-02-01

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	Ecological consequences of long-term browning in lakes. <i>Scientific Reports</i> , 2016, 5, 18666.	3.3	168
2	Patterns and drivers of deep chlorophyll maxima structure in 100 lakes: The relative importance of light and thermal stratification. <i>Limnology and Oceanography</i> , 2018, 63, 628-646.	3.1	119
3	The importance of lake-specific characteristics for water quality across the continental United States. <i>Ecological Applications</i> , 2015, 25, 943-955.	3.8	102
4	Lakes as sensors in the landscape: Optical metrics as scalable sentinel responses to climate change. <i>Limnology and Oceanography</i> , 2014, 59, 840-850.	3.1	81
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	Current water quality guidelines across North America and Europe do not protect lakes from salinization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	49
8	Browning-related oxygen depletion in an oligotrophic lake. <i>Inland Waters</i> , 2018, 8, 255-263.	2.2	40
9	Consequences of gas flux model choice on the interpretation of metabolic balance across 15 lakes. <i>Inland Waters</i> , 2016, 6, 581-592.	2.2	35
10	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. <i>Inland Waters</i> , 2016, 6, 565-580.	2.2	34
11	A New Thermal Categorization of Ice-Covered Lakes. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091374.	4.0	31
12	Experimental blooms of the cyanobacterium <i>Gloeotrichia echinulata</i> increase phytoplankton biomass, richness and diversity in an oligotrophic lake. <i>Journal of Plankton Research</i> , 2014, 36, 364-377.	1.8	28
13	Lake salinization drives consistent losses of zooplankton abundance and diversity across coordinated mesocosm experiments. <i>Limnology and Oceanography Letters</i> , 2023, 8, 19-29.	3.9	21
14	Under-ice respiration rates shift the annual carbon cycle in the mixed layer of an oligotrophic lake from autotrophy to heterotrophy. <i>Inland Waters</i> , 2021, 11, 114-123.	2.2	12
15	Training macrosystems scientists requires both interpersonal and technical skills. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 39-46.	4.0	12
16	High frequency monitoring reveals fine scale spatial and temporal dynamics of the deep chlorophyll maximum of a stratified coastal lagoon. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 218, 278-291.	2.1	9
17	Quantifying pelagic phosphorus regeneration using three methods in lakes of varying productivity. <i>Inland Waters</i> , 2016, 6, 509-522.	2.2	6
18	Using near-term forecasts and uncertainty partitioning to inform prediction of oligotrophic lake cyanobacterial density. <i>Ecological Applications</i> , 2022, 32, e2590.	3.8	6

#	ARTICLE	IF	CITATIONS
19	Dynamics of the stream-lake transitional zone affect littoral lake metabolism. Aquatic Sciences, 2022, 84, 1.	1.5	3