Lesley B Knoll

List of Publications by Year
in descending order

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34 papers	3,781 citations	279798 23 h-index	345221 36 g-index
36 all docs	36 docs citations	36 times ranked	4795 citing authors

#	Article	IF	Citations
1	Lakes and reservoirs as regulators of carbon cycling and climate. Limnology and Oceanography, 2009, 54, 2298-2314.	3.1	1,977
2	Widespread deoxygenation of temperate lakes. Nature, 2021, 594, 66-70.	27.8	267
3	Ecological consequences of long-term browning in lakes. Scientific Reports, 2016, 5, 18666.	3.3	168
4	NUTRIENT CYCLING BY FISH SUPPORTS RELATIVELY MORE PRIMARY PRODUCTION AS LAKE PRODUCTIVITY INCREASES. Ecology, 2006, 87, 1696-1709.	3.2	112
5	Phytoplankton primary production and photosynthetic parameters in reservoirs along a gradient of watershed land use. Limnology and Oceanography, 2003, 48, 608-617.	3.1	109
6	Climate change drives widespread shifts in lake thermal habitat. Nature Climate Change, 2021, 11, 521-529.	18.8	87
7	Invasive zebra mussels (Dreissena polymorpha) increase cyanobacterial toxin concentrations in low-nutrient lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 448-455.	1.4	81
8	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
9	Consequences of lake and river ice loss on cultural ecosystem services. Limnology and Oceanography Letters, 2019, 4, 119-131.	3.9	81
10	Complex interactions between the zebra mussel, Dreissena polymorpha, and the harmful phytoplankter, Microcystis aeruginosa. Limnology and Oceanography, 2005, 50, 896-904.	3.1	78
11	Transparency, Geomorphology and Mixing Regime Explain Variability in Trends in Lake Temperature and Stratification across Northeastern North America (1975â€“2014). Water (Switzerland), 2017, 9, 442.	2.7	77
12	Temperate reservoirs are large carbon sinks and small CO₂ sources: Results from highâ€resolution carbon budgets. Global Biogeochemical Cycles, 2013, 27, 52-64.	4.9	73
13	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
14	Deeper waters are changing less consistently than surface waters in a global analysis of 102 lakes. Scientific Reports, 2020, 10, 20514.	3.3	56
15	Feedbacks of consumer nutrient recycling on producer biomass and stoichiometry: separating direct and indirect effects. Oikos, 2009, 118, 1732-1742.	2.7	52
16	The unique methodological challenges of winter limnology. Limnology and Oceanography: Methods, 2019, 17, 42-57.	2.0	47
17	Predicting eutrophication status in reservoirs at large spatial scales using landscape and morphometric variables. Inland Waters, 2015, 5, 203-214.	2.2	41
18	Browning-related oxygen depletion in an oligotrophic lake. Inland Waters, 2018, 8, 255-263.	2.2	40

#	Article	IF	Citations
19	Dreissenid mussels (Dreissena polymorpha and Dreissena bugensis) reduce microzooplankton and macrozooplankton biomass in thermally stratified lakes. Limnology and Oceanography, 2010, 55, 1851-1859.	3.1	35
20	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
21	Burial rates and stoichiometry of sedimentary carbon, nitrogen and phosphorus in <scp>M</scp>idwestern <scp>US</scp> reservoirs. Freshwater Biology, 2014, 59, 2342-2353.	2.4	32
22	Stream Nitrogen and Phosphorus Loads Are Differentially Affected by Storm Events and the Difference May Be Exacerbated by Conservation Tillage. Environmental Science & Technology, 2019, 53, 5613-5621.	10.0	32
23	Large variation in vulnerability to grazing within a population of the colonial phytoplankter, Microcystis aeruginosa. Limnology and Oceanography, 2011, 56, 1714-1724.	3.1	25
24	Patterns of CO2 concentration and inorganic carbon limitation of phytoplankton biomass in agriculturally eutrophic lakes. Water Research, 2021, 190, 116715.	11.3	23
25	Earlier winter/spring runoff and snowmelt during warmer winters lead to lower summer chlorophyllâ€a in north temperate lakes. Global Change Biology, 2021, 27, 4615-4629.	9.5	22
26	Increased winter drownings in ice-covered regions with warmer winters. PLoS ONE, 2020, 15, e0241222.	2.5	21
27	Lake browning generates a spatiotemporal mismatch between dissolved organic carbon and limiting nutrients. Limnology and Oceanography Letters, 2021, 6, 182-191.	3.9	17
28	The relative importance of photodegradation and biodegradation of terrestrially derived dissolved organic carbon across four lakes of differing trophic status. Biogeosciences, 2020, 17, 6327-6340.	3.3	11
29	Long-term ice phenology records spanning up to 578 years for 78 lakes around the Northern Hemisphere. Scientific Data, 2022, 9, .	5.3	9
30	Differential effects of elevated nutrient and sediment inputs on survival, growth and biomass of a common larval fish species (Dorosoma cepedianum). Freshwater Biology, 2010, 55, 654-669.	2.4	7
31	Global data set of long-term summertime vertical temperature profiles in 153 lakes. Scientific Data, 2021, 8, 200.	5.3	7
32	Quantifying pelagic phosphorus regeneration using three methods in lakes of varying productivity. Inland Waters, 2016, 6, 509-522.	2.2	6
33	Temporal patterns in sediment, carbon, and nutrient burial in ponds associated with changing agricultural tillage. Biogeochemistry, 2022, 159, 87-102.	3.5	3
34	University Of Minnesota Itasca Biological Station and Laboratories: Over 100 Years Of Field-Based Education and Research. Limnology and Oceanography Bulletin, 2018, 27, 42-44.	0.4	1