

Lesley B Knoll

List of Publications by Year in descending order

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Version: 2024-02-01

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	Temporal patterns in sediment, carbon, and nutrient burial in ponds associated with changing agricultural tillage. <i>Biogeochemistry</i> , 2022, 159, 87-102.	3.5	3
2	Long-term ice phenology records spanning up to 578 years for 78 lakes around the Northern Hemisphere. <i>Scientific Data</i> , 2022, 9, .	5.3	9
3	Patterns of CO2 concentration and inorganic carbon limitation of phytoplankton biomass in agriculturally eutrophic lakes. <i>Water Research</i> , 2021, 190, 116715.	11.3	23
4	Lake browning generates a spatiotemporal mismatch between dissolved organic carbon and limiting nutrients. <i>Limnology and Oceanography Letters</i> , 2021, 6, 182-191.	3.9	17
5	Climate change drives widespread shifts in lake thermal habitat. <i>Nature Climate Change</i> , 2021, 11, 521-529.	18.8	87
6	Widespread deoxygenation of temperate lakes. <i>Nature</i> , 2021, 594, 66-70.	27.8	267
7	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
8	Global data set of long-term summertime vertical temperature profiles in 153 lakes. <i>Scientific Data</i> , 2021, 8, 200.	5.3	7
9	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
10	Increased winter drownings in ice-covered regions with warmer winters. <i>PLoS ONE</i> , 2020, 15, e0241222.	2.5	21
11	The relative importance of photodegradation and biodegradation of terrestrially derived dissolved organic carbon across four lakes of differing trophic status. <i>Biogeosciences</i> , 2020, 17, 6327-6340.	3.3	11
12	Consequences of lake and river ice loss on cultural ecosystem services. <i>Limnology and Oceanography Letters</i> , 2019, 4, 119-131.	3.9	81
13	Stream Nitrogen and Phosphorus Loads Are Differentially Affected by Storm Events and the Difference May Be Exacerbated by Conservation Tillage. <i>Environmental Science & Technology</i> , 2019, 53, 5613-5621.	10.0	32
14	The unique methodological challenges of winter limnology. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 42-57.	2.0	47
15	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
16	University Of Minnesota Itasca Biological Station and Laboratories: Over 100 Years Of Field-Based Education and Research. <i>Limnology and Oceanography Bulletin</i> , 2018, 27, 42-44.	0.4	1
17	Browning-related oxygen depletion in an oligotrophic lake. <i>Inland Waters</i> , 2018, 8, 255-263.	2.2	40
18	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

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19	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
20	Quantifying pelagic phosphorus regeneration using three methods in lakes of varying productivity. <i>Inland Waters</i> , 2016, 6, 509-522.	2.2	6
21	Ecological consequences of long-term browning in lakes. <i>Scientific Reports</i> , 2016, 5, 18666.	3.3	168
22	Predicting eutrophication status in reservoirs at large spatial scales using landscape and morphometric variables. <i>Inland Waters</i> , 2015, 5, 203-214.	2.2	41
23	Burial rates and stoichiometry of sedimentary carbon, nitrogen and phosphorus in Midwestern US reservoirs. <i>Freshwater Biology</i> , 2014, 59, 2342-2353.	2.4	32
24	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
25	Temperate reservoirs are large carbon sinks and small CO ₂ sources: Results from high-resolution carbon budgets. <i>Global Biogeochemical Cycles</i> , 2013, 27, 52-64.	4.9	73
26	Large variation in vulnerability to grazing within a population of the colonial phytoplankter, <i>Microcystis aeruginosa</i> . <i>Limnology and Oceanography</i> , 2011, 56, 1714-1724.	3.1	25
27	Dreissenid mussels (<i>Dreissena polymorpha</i> and <i>Dreissena bugensis</i>) reduce microzooplankton and macrozooplankton biomass in thermally stratified lakes. <i>Limnology and Oceanography</i> , 2010, 55, 1851-1859.	3.1	35
28	Differential effects of elevated nutrient and sediment inputs on survival, growth and biomass of a common larval fish species (<i>Dorosoma cepedianum</i>). <i>Freshwater Biology</i> , 2010, 55, 654-669.	2.4	7
29	Feedbacks of consumer nutrient recycling on producer biomass and stoichiometry: separating direct and indirect effects. <i>Oikos</i> , 2009, 118, 1732-1742.	2.7	52
30	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009, 54, 2298-2314.	3.1	1,977
31	Invasive zebra mussels (<i>Dreissena polymorpha</i>) increase cyanobacterial toxin concentrations in low-nutrient lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 448-455.	1.4	81
32	NUTRIENT CYCLING BY FISH SUPPORTS RELATIVELY MORE PRIMARY PRODUCTION AS LAKE PRODUCTIVITY INCREASES. <i>Ecology</i> , 2006, 87, 1696-1709.	3.2	112
33	Complex interactions between the zebra mussel, <i>Dreissena polymorpha</i> , and the harmful phytoplankter, <i>Microcystis aeruginosa</i> . <i>Limnology and Oceanography</i> , 2005, 50, 896-904.	3.1	78
34	Phytoplankton primary production and photosynthetic parameters in reservoirs along a gradient of watershed land use. <i>Limnology and Oceanography</i> , 2003, 48, 608-617.	3.1	109