# Benjamin M Kraemer

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 21 papers | 2,775 citations | 471509 17 h-index | 713466 21 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 3225 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Rapid and highly variable warming of lake surface waters around the globe. Geophysical Research Letters, 2015, 42, 10,773. | 4.0 | 767 |
| 2 | Global lake responses to climate change. Nature Reviews Earth & Environment, 2020, 1, 388-403. | 29.7 | 513 |
| 3 | Morphometry and average temperature affect lake stratification responses to climate change. Geophysical Research Letters, 2015, 42, 4981-4988. | 4.0 | 282 |
| 4 | Widespread deoxygenation of temperate lakes. Nature, 2021, 594, 66-70. | 27.8 | 267 |
| 5 | A global database of lake surface temperatures collected by in situ and satellite methods from 1985â€“2009. Scientific Data, 2015, 2, 150008. | 5.3 | 153 |
| 6 | Climate warming reduces fish production and benthic habitat in Lake Tanganyika, one of the most biodiverse freshwater ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9563-9568. | 7.1 | 138 |
| 7 | Global patterns in lake ecosystem responses to warming based on the temperature dependence of metabolism. Global Change Biology, 2017, 23, 1881-1890. | 9.5 | 87 |
| 8 | Climate change drives widespread shifts in lake thermal habitat. Nature Climate Change, 2021, 11, 521-529. | 18.8 | 87 |
| 9 | 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 |
| 10 | Reconciling the opposing effects of warming on phytoplankton biomass in 188 large lakes. Scientific Reports, 2017, 7, 10762. | 3.3 | 73 |
| 11 | Depth-discrete metagenomics reveals the roles of microbes in biogeochemical cycling in the tropical freshwater Lake Tanganyika. ISME Journal, 2021, 15, 1971-1986. | 9.8 | 69 |
| 12 | Deeper waters are changing less consistently than surface waters in a global analysis of 102 lakes. Scientific Reports, 2020, 10, 20514. | 3.3 | 56 |
| 13 | Century-Long Warming Trends in the Upper Water Column of Lake Tanganyika. PLoS ONE, 2015, 10, e0132490. | 2.5 | 50 |
| 14 | A framework for ensemble modelling of climate change impacts on lakes worldwide: the ISIMIP Lake Sector. Geoscientific Model Development, 2022, 15, 4597-4623. | 3.6 | 37 |
| 15 | Phytoplankton and cyanobacteria abundances in midâ€21st century lakes depend strongly on future land use and climate projections. Global Change Biology, 2021, 27, 6409-6422. | 9.5 | 27 |
| 16 | Global increase in methane production under future warming of lake bottom waters. Global Change Biology, 2022, 28, 5427-5440. | 9.5 | 27 |
| 17 | Compound hot temperature and high chlorophyll extreme events in global lakes. Environmental Research Letters, 2021, 16, 124066. | 5.2 | 19 |
| 18 | Need for harmonized long-term multi-lake monitoring of African Great Lakes. Journal of Great Lakes Research, 2023, 49, 101988. | 1.9 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Adoption and consequences of new light-fishing technology (LEDs) on Lake Tanganyika, East Africa. PLoS ONE, 2019, 14, e0216580. | 2.5 | 12 |
| 20 | Cold War spy satellite images reveal long-term declines of a philopatric keystone species in response to cropland expansion. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192897. | 2.6 | 11 |
| 21 | Global data set of long-term summertime vertical temperature profiles in 153 lakes. Scientific Data, 2021, 8, 200. | 5.3 | 7 |