

Piet Verburg

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,070
citations

279798

23
h-index

276875

41
g-index

43
all docs

43
docs citations

43
times ranked

4272
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for ensemble modelling of climate change impacts on lakes worldwide: the ISIMIP Lake Sector. <i>Geoscientific Model Development</i> , 2022, 15, 4597-4623.	3.6	37
2	Sedimentary phosphorus in contrasting, shallow New Zealand lakes and its effect on water quality. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2021, 55, 592-611.	2.0	3
3	The extent and variability of storm-induced temperature changes in lakes measured with long-term and high-frequency data. <i>Limnology and Oceanography</i> , 2021, 66, 1979-1992.	3.1	10
4	Climate change drives widespread shifts in lake thermal habitat. <i>Nature Climate Change</i> , 2021, 11, 521-529.	18.8	87
5	Widespread deoxygenation of temperate lakes. <i>Nature</i> , 2021, 594, 66-70.	27.8	267
6	Global data set of long-term summertime vertical temperature profiles in 153 lakes. <i>Scientific Data</i> , 2021, 8, 200.	5.3	7
7	Increasing climate-driven taxonomic homogenization but functional differentiation among river macroinvertebrate assemblages. <i>Global Change Biology</i> , 2020, 26, 6904-6915.	9.5	33
8	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
9	Storm impacts on phytoplankton community dynamics in lakes. <i>Global Change Biology</i> , 2020, 26, 2756-2784.	9.5	144
10	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S9-S128.	3.3	61
11	Long-term changes in the water quality of a deep temperate oligotrophic lake in response to catchment disturbance: evidence from sediment cores. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2019, 53, 571-587.	2.0	2
12	The role of mobile consumers in lake nutrient cycles: a brief review. <i>Hydrobiologia</i> , 2018, 818, 11-29.	2.0	7
13	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
14	Nutrient Budgets in Lakes. , 2018, , 129-163.		4
15	Geographic and temporal variations in turbulent heat loss from lakes: A global analysis across 45 lakes. <i>Limnology and Oceanography</i> , 2018, 63, 2436-2449.	3.1	47
16	Tropical Meromictic Lakes: Specifics of Meromixis and Case Studies of Lakes Tanganyika, Malawi, and Matano. <i>Ecological Studies</i> , 2017, , 277-323.	1.2	12
17	Variable littoral-pelagic coupling as a foodweb response to seasonal changes in pelagic primary production. <i>Freshwater Biology</i> , 2017, 62, 2008-2025.	2.4	19
18	Latitude and lake size are important predictors of overlake atmospheric stability. <i>Geophysical Research Letters</i> , 2017, 44, 8875-8883.	4.0	31

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19	Rapid and highly variable warming of lake surface waters around the globe. <i>Geophysical Research Letters</i> , 2015, 42, 10,773.	4.0	767
20	A global database of lake surface temperatures collected by in situ and satellite methods from 1985–2009. <i>Scientific Data</i> , 2015, 2, 150008.	5.3	153
21	Long-term changes in structure and function of a tropical headwater stream following a disease-driven amphibian decline. <i>Freshwater Biology</i> , 2015, 60, 575-589.	2.4	20
22	Ecological integrity of deep lakes in New Zealand across anthropogenic pressure gradients. <i>Ecological Indicators</i> , 2014, 37, 45-57.	6.3	16
23	Potential use of classical biomanipulation to improve water quality in New Zealand lakes: a re-evaluation. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2014, 48, 127-138.	2.0	35
24	Lack of Evidence for Lower Mercury Biomagnification by Biomass Dilution in More Productive Lakes: Comment on "Mercury Biomagnification through Food Webs Is Affected by Physical and Chemical Characteristics of Lakes". <i>Environmental Science & Technology</i> , 2014, 48, 10524-10525.	10.0	7
25	Mercury biomagnification in three geothermally-influenced lakes differing in chemistry and algal biomass. <i>Science of the Total Environment</i> , 2014, 493, 342-354.	8.0	24
26	Nutrient ratios, differential retention, and the effect on nutrient limitation in a deep oligotrophic lake. <i>Hydrobiologia</i> , 2013, 718, 119-130.	2.0	20
27	Disease-Driven Amphibian Declines Alter Ecosystem Processes in a Tropical Stream. <i>Ecosystems</i> , 2013, 16, 146-157.	3.4	105
28	Use of stable isotope ratios to characterize potential shifts in the isotopic niches of grazing insects following an amphibian decline in a Neotropical stream. <i>Journal of Tropical Ecology</i> , 2013, 29, 291-299.	1.1	8
29	Managing pollutant inputs from pastoral dairy farming to maintain water quality of a lake in a high-rainfall catchment. <i>Marine and Freshwater Research</i> , 2013, 64, 447.	1.3	12
30	Effects of nutrient loading on the trophic state of Lake Brunner. <i>Marine and Freshwater Research</i> , 2013, 64, 436.	1.3	9
31	Differential cooling drives large-scale convective circulation in Lake Tanganyika. <i>Limnology and Oceanography</i> , 2011, 56, 910-926.	3.1	50
32	Persistent unstable atmospheric boundary layer enhances sensible and latent heat loss in a tropical great lake: Lake Tanganyika. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	114
33	Challenges for interpreting stable isotope fractionation of carbon and nitrogen in tropical aquatic ecosystems. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2009, 30, 749-753.	0.1	11
34	Mercury biomagnification in the food web of Lake Tanganyika (Tanzania, East Africa). <i>Science of the Total Environment</i> , 2008, 402, 184-191.	8.0	79
35	A stable isotope study of a neotropical stream food web prior to the extirpation of its large amphibian community. <i>Journal of Tropical Ecology</i> , 2007, 23, 643-651.	1.1	51
36	Sunspots, El Niño, and the levels of Lake Victoria, East Africa. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	57

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37	The need to correct for the Suess effect in the application of $\delta^{13}\text{C}$ in sediment of autotrophic Lake Tanganyika, as a productivity proxy in the Anthropocene. <i>Journal of Paleolimnology</i> , 2007, 37, 591-602.	1.6	152
38	Two new cichlid species <i>Neolamprologus</i> (Teleostei: Cichlidae) from Lake Tanganyika, East Africa. <i>Zootaxa</i> , 2007, 1612, 25-44.	0.5	12
39	Wind Patterns, Evaporation, and Related Physical Variables in Lake Tanganyika, East Africa. <i>Journal of Great Lakes Research</i> , 2003, 29, 48-61.	1.9	43
40	Ecological Consequences of a Century of Warming in Lake Tanganyika. <i>Science</i> , 2003, 301, 505-507.	12.6	363
41	Feeding ecology of <i>Lates stappersii</i> in Lake Tanganyika. <i>Hydrobiologia</i> , 1999, 407, 131-139.	2.0	9