

Tom Shatwell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4559938/publications.pdf>

Version: 2024-02-01

29
papers

1,406
citations

331670

21
h-index

477307

29
g-index

44
all docs

44
docs citations

44
times ranked

1766
citing authors

#	ARTICLE	IF	CITATIONS
1	Lake heatwaves under climate change. <i>Nature</i> , 2021, 589, 402-407.	27.8	157
2	Phenological shifts in lake stratification under climate change. <i>Nature Communications</i> , 2021, 12, 2318.	12.8	118
3	A multi-lake comparative analysis of the General Lake Model (GLM): Stress-testing across a global observatory network. <i>Environmental Modelling and Software</i> , 2018, 102, 274-291.	4.5	93
4	Generalized scaling of seasonal thermal stratification in lakes. <i>Earth-Science Reviews</i> , 2016, 161, 179-190.	9.1	77
5	Consequences of thermal pollution from a nuclear plant on lake temperature and mixing regime. <i>Journal of Hydrology</i> , 2013, 496, 47-56.	5.4	71
6	Analysis and modelling of the interactive effects of temperature and light on phytoplankton growth and relevance for the spring bloom. <i>Journal of Plankton Research</i> , 2007, 30, 75-91.	1.8	70
7	Assessing resilience in long-term ecological data sets. <i>Ecological Indicators</i> , 2016, 65, 10-43.	6.3	70
8	Future projections of temperature and mixing regime of European temperate lakes. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1533-1551.	4.9	69
9	Decreased nitrogen loading controls summer cyanobacterial blooms without promoting nitrogen-fixing taxa: Long-term response of a shallow lake. <i>Limnology and Oceanography</i> , 2019, 64, S166.	3.1	63
10	Warming promotes cold-adapted phytoplankton in temperate lakes and opens a loophole for Oscillatoriales in spring. <i>Global Change Biology</i> , 2008, 14, 2194-2200.	9.5	57
11	Extreme Weather Event Triggers Cascade Towards Extreme Turbidity in a Clear-water Lake. <i>Ecosystems</i> , 2017, 20, 1407-1420.	3.4	56
12	Temperature and photoperiod effects on phytoplankton growing under simulated mixed layer light fluctuations. <i>Limnology and Oceanography</i> , 2012, 57, 541-553.	3.1	55
13	How helophytes influence the phosphorus cycle in degraded inundated peat soils – Implications for fen restoration. <i>Ecological Engineering</i> , 2014, 66, 82-90.	3.6	43
14	Planktonic events may cause polymictic-dimictic regime shifts in temperate lakes. <i>Scientific Reports</i> , 2016, 6, 24361.	3.3	40
15	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
16	Changes of the CO ₂ and CH ₄ production potential of rewetted fens in the perspective of temporal vegetation shifts. <i>Biogeosciences</i> , 2015, 12, 2455-2468.	3.3	36
17	Seasonal thermal regime and climatic trends in lakes of the Tibetan highlands. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1895-1909.	4.9	34
18	Bioavailable DOC: reactive nutrient ratios control heterotrophic nutrient assimilation – An experimental proof of the macronutrient-access hypothesis. <i>Biogeochemistry</i> , 2021, 155, 1-20.	3.5	33

#	ARTICLE	IF	CITATIONS
19	Ice-Covered Lakes of Tibetan Plateau as Solar Heat Collectors. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093429.	4.0	27
20	The formation of a metalimnetic oxygen minimum exemplifies how ecosystem dynamics shape biogeochemical processes: A modelling study. <i>Water Research</i> , 2020, 175, 115701.	11.3	26
21	Unravelling winter diatom blooms in temperate lakes using high frequency data and ecological modeling. <i>Water Research</i> , 2021, 190, 116681.	11.3	26
22	Ensemble warming projections in Germany's largest drinking water reservoir and potential adaptation strategies. <i>Science of the Total Environment</i> , 2020, 748, 141366.	8.0	24
23	LakeEnsemblR: An R package that facilitates ensemble modelling of lakes. <i>Environmental Modelling and Software</i> , 2021, 143, 105101.	4.5	21
24	Reservoir water quality deterioration due to deforestation emphasizes the indirect effects of global change. <i>Water Research</i> , 2022, 221, 118721.	11.3	21
25	Influence of vertical mixing on light-dependency of phytoplankton growth. <i>Limnology and Oceanography</i> , 2018, 63, 1156-1167.	3.1	19
26	Temperature and photoperiod interactions with silicon-limited growth and competition of two diatoms. <i>Journal of Plankton Research</i> , 2013, 35, 957-971.	1.8	18
27	Temperature and Photoperiod Interactions with Phosphorus-Limited Growth and Competition of Two Diatoms. <i>PLoS ONE</i> , 2014, 9, e102367.	2.5	15
28	Lunar illuminated fraction is a poor proxy for moonlight exposure. <i>Nature Ecology and Evolution</i> , 2020, 4, 318-319.	7.8	15
29	Design and implementation of an illumination system to mimic skyglow at ecosystem level in a large-scale lake enclosure facility. <i>Scientific Reports</i> , 2021, 11, 23478.	3.3	4