

# Ian D Jones

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

4,323  
citations

147801

31  
h-index

175258

52  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Can reductions in water residence time be used to disrupt seasonal stratification and control internal loading in a eutrophic monomictic lake?. <i>Journal of Environmental Management</i> , 2022, 304, 114169.	7.8	13
2	Biophysical Interactions in Phytoplankton. , 2022, , 154-162.		2
3	Annual water residence time effects on thermal structure: A potential lake restoration measure?. <i>Journal of Environmental Management</i> , 2022, 314, 115082.	7.8	9
4	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
5	Ecological Consequences of Climate Extremes for Lakes. , 2021, , .		1
6	The role of internal feedbacks in shifting deep lake mixing regimes under a warming climate. <i>Freshwater Biology</i> , 2021, 66, 1021-1035.	2.4	24
7	Floating photovoltaics could mitigate climate change impacts on water body temperature and stratification. <i>Solar Energy</i> , 2021, 219, 24-33.	6.1	38
8	Wide-spread inconsistency in estimation of lake mixed depth impacts interpretation of limnological processes. <i>Water Research</i> , 2020, 168, 115136.	11.3	37
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	Global lake thermal regions shift under climate change. <i>Nature Communications</i> , 2020, 11, 1232.	12.8	96
11	Integrating environmental understanding into freshwater floatovoltaic deployment using an effects hierarchy and decision trees. <i>Environmental Research Letters</i> , 2020, 15, 114055.	5.2	24
12	Variability in epilimnion depth estimations in lakes. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5559-5577.	4.9	25
13	Northern Hemisphere Atmospheric Stilling Accelerates Lake Thermal Responses to a Warming World. <i>Geophysical Research Letters</i> , 2019, 46, 11983-11992.	4.0	65
14	Modelling lake cyanobacterial blooms: Disentangling the climate-driven impacts of changing mixed depth and water temperature. <i>Freshwater Biology</i> , 2019, 64, 2141-2155.	2.4	24
15	Adaptive forecasting of phytoplankton communities. <i>Water Research</i> , 2018, 134, 74-85.	11.3	41
16	Global phenological insensitivity to shifting ocean temperatures among seabirds. <i>Nature Climate Change</i> , 2018, 8, 313-318.	18.8	68
17	From Ecological Informatics to the Generation of Ecological Knowledge: Long-Term Research in the English Lake District. , 2018, , 455-482.		2
18	Wind and trophic status explain within and among-lake variability of algal biomass. <i>Limnology and Oceanography Letters</i> , 2018, 3, 409-418.	3.9	24

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19	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
20	Delving deeper: Metabolic processes in the metalimnion of stratified lakes. <i>Limnology and Oceanography</i> , 2017, 62, 1288-1306.	3.1	40
21	Atmospheric stilling leads to prolonged thermal stratification in a large shallow polymictic lake. <i>Climatic Change</i> , 2017, 141, 759-773.	3.6	83
22	Constraining uncertainty and process-representation in an algal community lake model using high frequency in-lake observations. <i>Ecological Modelling</i> , 2017, 357, 1-13.	2.5	9
23	Latitude and lake size are important predictors of over-lake atmospheric stability. <i>Geophysical Research Letters</i> , 2017, 44, 8875-8883.	4.0	31
24	Profound daily vertical stratification and mixing in a small, shallow, wind-exposed lake with submerged macrophytes. <i>Aquatic Sciences</i> , 2017, 79, 395-406.	1.5	52
25	Diel Surface Temperature Range Scales with Lake Size. <i>PLoS ONE</i> , 2016, 11, e0152466.	2.5	89
26	Phenological sensitivity to climate across taxa and trophic levels. <i>Nature</i> , 2016, 535, 241-245.	27.8	705
27	A comparison of the diel variability in epilimnetic temperature for five lakes in the English Lake District. <i>Inland Waters</i> , 2015, 5, 139-154.	2.2	31
28	Automated calculation of surface energy fluxes with high-frequency lake buoy data. <i>Environmental Modelling and Software</i> , 2015, 70, 191-198.	4.5	67
29	Interannual variations in atmospheric forcing determine trajectories of hypolimnetic soluble reactive phosphorus supply in a eutrophic lake. <i>Freshwater Biology</i> , 2014, 59, 1646-1658.	2.4	9
30	A novel method for estimating the onset of thermal stratification in lakes from surface water measurements. <i>Water Resources Research</i> , 2014, 50, 5131-5140.	4.2	35
31	The influence of different environmental conditions upon the initial development and ecological dynamics of phytobenthic communities. <i>Fundamental and Applied Limnology</i> , 2014, 185, 139-153.	0.7	1
32	Food web de-synchronization in England's largest lake: an assessment based on multiple phenological metrics. <i>Global Change Biology</i> , 2013, 19, 3568-3580.	9.5	54
33	The under-ice microbiome of seasonally frozen lakes. <i>Limnology and Oceanography</i> , 2013, 58, 1998-2012.	3.1	173
34	Eight decades of phenological change for a freshwater cladoceran: what are the consequences of our definition of seasonal timing?. <i>Freshwater Biology</i> , 2012, 57, 345-359.	2.4	24
35	Contribution of sediment focussing to heterogeneity of organic carbon and phosphorus burial in small lakes. <i>Freshwater Biology</i> , 2012, 57, 290-304.	2.4	39
36	Long-term changes in oxygen depletion in a small temperate lake: effects of climate change and eutrophication. <i>Freshwater Biology</i> , 2012, 57, 278-289.	2.4	202

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37	Effects of weather-related episodic events in lakes: an analysis based on high-frequency data. <i>Freshwater Biology</i> , 2012, 57, 589-601.	2.4	135
38	Spring phytoplankton phenology - are patterns and drivers of change consistent among lakes in the same climatological region?. <i>Freshwater Biology</i> , 2012, 57, 331-344.	2.4	47
39	Spatial heterogeneity in a small, temperate lake during archetypal weak forcing conditions. <i>Fundamental and Applied Limnology</i> , 2011, 179, 27-40.	0.7	10
40	Increases in lake phytoplankton biomass caused by future climate-driven changes to seasonal river flow. <i>Global Change Biology</i> , 2011, 17, 1809-1820.	9.5	19
41	Transition zones in small lakes: the importance of dilution and biological uptake on lake-wide heterogeneity. <i>Hydrobiologia</i> , 2011, 678, 85-97.	2.0	9
42	Derivation of lake mixing and stratification indices from high-resolution lake buoy data. <i>Environmental Modelling and Software</i> , 2011, 26, 1325-1336.	4.5	347
43	The long-term (1979-2005) effects of the North Atlantic Oscillation on wind-induced wave mixing in Loch Leven (Scotland). <i>Hydrobiologia</i> , 2010, 646, 49-59.	2.0	26
44	Trophic level asynchrony in rates of phenological change for marine, freshwater and terrestrial environments. <i>Global Change Biology</i> , 2010, 16, 3304-3313.	9.5	690
45	Modelling the Impact of Climate Change on the Thermal Characteristics of Lakes. , 2010, , 103-120.		11
46	The importance of nutrient source in determining the influence of retention time on phytoplankton: an explorative modelling study of a naturally well-flushed lake. <i>Hydrobiologia</i> , 2009, 627, 129-142.	2.0	26
47	Effects of recent climate change on phytoplankton phenology in a temperate lake. <i>Freshwater Biology</i> , 2009, 54, 1888-1898.	2.4	68
48	Assessment of long-term changes in habitat availability for Arctic charr ( <i>Salvelinus alpinus</i> ) in a temperate lake using oxygen profiles and hydroacoustic surveys. <i>Freshwater Biology</i> , 2008, 53, 393-402.	2.4	35
49	The effect of water colour on lake hydrodynamics: a modelling study. <i>Freshwater Biology</i> , 2008, 53, 2345-2355.	2.4	58
50	Modelling the effects on phytoplankton communities of changing mixed depth and background extinction coefficient on three contrasting lakes in the English Lake District. <i>Freshwater Biology</i> , 2008, 53, 2573-2586.	2.4	21
51	Long-term change in the phenology of spring phytoplankton: species-specific responses to nutrient enrichment and climatic change. <i>Journal of Ecology</i> , 2008, 96, 523-535.	4.0	193
52	Automatic in-lake monitoring in the English Lake District: The effect of lake size on stratification. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 70-72.	0.1	2
53	Modelling the effects of changing retention time on abundance and composition of phytoplankton species in a small lake. <i>Freshwater Biology</i> , 2007, 52, 988-997.	2.4	55
54	Phytoplankton communities and antecedent conditions: high resolution sampling in Esthwaite Water. <i>Freshwater Biology</i> , 2006, 51, 1798-1810.	2.4	24

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55	Testing the Sensitivity of Phytoplankton Communities to Changes in Water Temperature and Nutrient Load, in a Temperate Lake. <i>Hydrobiologia</i> , 2006, 559, 401-411.	2.0	213
56	Quantifying effects of phytoplankton on the heat budgets of two large limnetic enclosures. <i>Freshwater Biology</i> , 2005, 50, 1239-1247.	2.4	51
57	Isopycnic modeling of the North Atlantic heat budget. <i>Journal of Geophysical Research</i> , 1999, 104, 1377-1392.	3.3	6