

# John A Downing

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

8,479  
citations

117453

34  
h-index

168136

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

8999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eutrophication Drives Extreme Seasonal CO <sub>2</sub> Flux in Lake Ecosystems. <i>Ecosystems</i> , 2021, 24, 434-450.	1.6	19
2	Founding <i>Limnology &amp; Oceanography Letters</i> : The challenges, risks, and rewards of launching a new scientific journal. <i>Limnology and Oceanography Letters</i> , 2021, 6, 227-231.	1.6	2
3	Double Down on Federal Science Spending. <i>CSA News</i> , 2021, 66, 24-25.	0.1	0
4	Protecting local water quality has global benefits. <i>Nature Communications</i> , 2021, 12, 2709.	5.8	61
5	Science Societies, Publication and Open Access Mandates. <i>Limnology and Oceanography Bulletin</i> , 2020, 29, 78-80.	0.2	1
6	Eutrophication will increase methane emissions from lakes and impoundments during the 21st century. <i>Nature Communications</i> , 2019, 10, 1375.	5.8	299
7	Greenhouse gas emissions from lakes and impoundments: Upscaling in the face of global change. <i>Limnology and Oceanography Letters</i> , 2018, 3, 64-75.	1.6	303
8	Size, age, renewal, and discharge of groundwater carbon. <i>Inland Waters</i> , 2018, 8, 122-127.	1.1	10
9	Evidence for regional nitrogen stress on chlorophyll a in lakes across large landscape and climate gradients. <i>Limnology and Oceanography</i> , 2018, 63, S324.	1.6	18
10	Relationship of chlorophyll to phosphorus and nitrogen in nutrient-rich lakes. <i>Inland Waters</i> , 2017, 7, 385-400.	1.1	100
11	Headwaters to oceans: Ecological and biogeochemical contrasts across the aquatic continuum. <i>Limnology and Oceanography</i> , 2017, 62, S3.	1.6	55
12	Phytoplankton taxonomic compositional shifts across nutrient and light gradients in temperate lakes. <i>Inland Waters</i> , 2016, 6, 234-249.	1.1	39
13	Impact of trophic state on the distribution of intact polar lipids in surface waters of lakes. <i>Limnology and Oceanography</i> , 2016, 61, 1065-1077.	1.6	16
14	Low ratios of silica to dissolved nitrogen supplied to rivers arise from agriculture not reservoirs. <i>Ecology Letters</i> , 2016, 19, 1414-1418.	3.0	19
15	Prediction of lake depth across a 17-state region in the United States. <i>Inland Waters</i> , 2016, 6, 314-324.	1.1	22
16	Biomass pyramids in lake plankton: influence of Cyanobacteria size and abundance. <i>Inland Waters</i> , 2016, 6, .	1.1	30
17	Building a multi-scaled geospatial temporal ecology database from disparate data sources: fostering open science and data reuse. <i>GigaScience</i> , 2015, 4, 28.	3.3	92
18	Diatom floristic change and lake paleoproduction as evidence of recent eutrophication in shallow lakes of the midwestern USA. <i>Journal of Paleolimnology</i> , 2015, 53, 17-34.	0.8	23

#	ARTICLE	IF	CITATIONS
19	Recreational demand for clean water: evidence from geotagged photographs by visitors to lakes. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 76-81.	1.9	211
20	Limnology and oceanography: two estranged twins reuniting by global change. <i>Inland Waters</i> , 2014, 4, 215-232.	1.1	68
21	Cyanobacteria dominance influences resource use efficiency and community turnover in phytoplankton and zooplankton communities. <i>Ecology Letters</i> , 2014, 17, 464-474.	3.0	128
22	Eutrophication reverses whole-lake carbon budgets. <i>Inland Waters</i> , 2014, 4, 41-48.	1.1	165
23	Regional variability among nonlinear chlorophyllâ€”phosphorus relationships in lakes. <i>Limnology and Oceanography</i> , 2014, 59, 1691-1703.	1.6	78
24	Crossâ€”scale interactions: quantifying multiâ€”scaled causeâ€”effect relationships in macrosystems. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 65-73.	1.9	164
25	Productivity of Freshwater Ecosystems and Climate Change. , 2014, , 221-229.		8
26	Long-Term Citizen-Collected Data Reveal Geographical Patterns and Temporal Trends in Lake Water Clarity. <i>PLoS ONE</i> , 2014, 9, e95769.	1.1	74
27	Sediment organic carbon distribution in 4 small northern Missouri impoundments: implications for sampling and carbon sequestration. <i>Inland Waters</i> , 2013, 3, 39-46.	1.1	15
28	Impacts of Eutrophication on Carbon Burial in Freshwater Lakes in an Intensively Agricultural Landscape. <i>Ecosystems</i> , 2012, 15, 60-70.	1.6	123
29	Freshwater Methane Emissions Offset the Continental Carbon Sink. <i>Science</i> , 2011, 331, 50-50.	6.0	1,159
30	Effects of Watershed Configuration and Composition on Downstream Lake Water Quality. <i>Journal of Environmental Quality</i> , 2011, 40, 517-527.	1.0	31
31	Common carp ( <i>Cyprinus carpio</i> ), sport fishes, and water quality: Ecological thresholds in agriculturally eutrophic lakes. <i>Lake and Reservoir Management</i> , 2010, 26, 14-22.	0.4	58
32	Valuing Water Quality as a Function of Water Quality Measures. <i>American Journal of Agricultural Economics</i> , 2009, 91, 106-123.	2.4	115
33	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009, 54, 2298-2314.	1.6	1,977
34	Measuring atmospheric nutrient deposition to inland waters: Evaluation of direct methods. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 638-647.	1.0	5
35	Global limnology: up-scaling aquatic services and processes to planet Earth. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2009, 30, 1149-1166.	0.1	34
36	The Influence of Land Use on Lake Nutrients Varies with Watershed Transport Capacity. <i>Ecosystems</i> , 2008, 11, 1021-1034.	1.6	178

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37	CO <sub>2</sub> emissions from saline lakes: A global estimate of a surprisingly large flux. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	137
38	An empirical evaluation of the nutrient-color paradigm for lakes. <i>Limnology and Oceanography</i> , 2008, 53, 1137-1148.	1.6	77
39	Dry and wet atmospheric deposition of nitrogen, phosphorus and silicon in an agricultural region. <i>Water, Air, and Soil Pollution</i> , 2006, 176, 351-374.	1.1	125
40	Pathways of Increased Water Clarity After Fish Removal from Ventura Marsh; a Shallow, Eutrophic Wetland. <i>Hydrobiologia</i> , 2004, 511, 215-231.	1.0	73
41	A Century of Change in Macrophyte Abundance and Composition in Response to Agricultural Eutrophication. <i>Hydrobiologia</i> , 2004, 524, 145-156.	1.0	161
42	Environmental factors influencing microcystin distribution and concentration in the Midwestern United States. <i>Water Research</i> , 2004, 38, 4395-4404.	5.3	142
43	Physical Impacts of Wind and Boat Traffic on Clear Lake, Iowa, USA. <i>Lake and Reservoir Management</i> , 2003, 19, 1-14.	0.4	20
44	Predicting Cyanobacteria dominance in lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 1905-1908.	0.7	628
45	The influence of watershed land use on lake N: P in a predominantly agricultural landscape. <i>Limnology and Oceanography</i> , 2001, 46, 970-975.	1.6	207
46	Length-specific growth rates in freshwater mussels (Bivalvia: Unionidae): extreme longevity or generalized growth cessation?. <i>Freshwater Biology</i> , 2001, 46, 1349-1359.	1.2	78
47	Substratum patch selection in the lacustrine mussels <i>Elliptio complanata</i> and <i>Pyganodon grandis</i> . <i>Freshwater Biology</i> , 2000, 44, 641-648.	1.2	14
48	META-ANALYSIS OF MARINE NUTRIENT-ENRICHMENT EXPERIMENTS: VARIATION IN THE MAGNITUDE OF NUTRIENT LIMITATION. <i>Ecology</i> , 1999, 80, 1157-1167.	1.5	142
49	Marine nitrogen: Phosphorus stoichiometry and the global N:P cycle. <i>Biogeochemistry</i> , 1997, 37, 237-252.	1.7	145
50	Internal shell annuli yield inaccurate growth estimates in the freshwater mussels <i>Elliptio complanata</i> and <i>Lampsilis radiata</i> . <i>Freshwater Biology</i> , 1997, 37, 325-332.	1.2	34
51	The nitrogen : phosphorus relationship in lakes. <i>Limnology and Oceanography</i> , 1992, 37, 936-945.	1.6	470
52	Sigmoid Relationships between Phosphorus, Algal Biomass, and Algal Community Structure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 2605-2610.	0.7	144
53	Sigmoid Relationships between Nutrients and Chlorophyll among Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 1171-1175.	0.7	180