

# Jonathan J Cole

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9399707/publications.pdf>

Version: 2024-02-01

204  
papers

32,670  
citations

4388

86  
h-index

4117

175  
g-index

207  
all docs

207  
docs citations

207  
times ranked

20529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plumbing the Global Carbon Cycle: Integrating Inland Waters into the Terrestrial Carbon Budget. <i>Ecosystems</i> , 2007, 10, 172-185.	3.4	2,836
2	The global abundance and size distribution of lakes, ponds, and impoundments. <i>Limnology and Oceanography</i> , 2006, 51, 2388-2397.	3.1	1,426
3	Trophic cascades revealed in diverse ecosystems. <i>Trends in Ecology and Evolution</i> , 1999, 14, 483-488.	8.7	1,209
4	BACTERIAL GROWTH EFFICIENCY IN NATURAL AQUATIC SYSTEMS. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1998, 29, 503-541.	6.7	1,144
5	Carbon Dioxide Supersaturation in the Surface Waters of Lakes. <i>Science</i> , 1994, 265, 1568-1570.	12.6	967
6	Methane emissions from lakes: Dependence of lake characteristics, two regional assessments, and a global estimate. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	890
7	Atmospheric exchange of carbon dioxide in a low-wind oligotrophic lake measured by the addition of SF <sub>6</sub> . <i>Limnology and Oceanography</i> , 1998, 43, 647-656.	3.1	785
8	Early Warnings of Regime Shifts: A Whole-Ecosystem Experiment. <i>Science</i> , 2011, 332, 1079-1082.	12.6	723
9	Respiration rates in bacteria exceed phytoplankton production in unproductive aquatic systems. <i>Nature</i> , 1997, 385, 148-151.	27.8	645
10	Interactions Between Bacteria and Algae in Aquatic Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1982, 13, 291-314.	6.7	637
11	Carbon emission from hydroelectric reservoirs linked to reservoir age and latitude. <i>Nature Geoscience</i> , 2011, 4, 593-596.	12.9	600
12	Whole-lake carbon-13 additions reveal terrestrial support of aquatic food webs. <i>Nature</i> , 2004, 427, 240-243.	27.8	497
13	Carbon in catchments: connecting terrestrial carbon losses with aquatic metabolism. <i>Marine and Freshwater Research</i> , 2001, 52, 101.	1.3	496
14	Gas Exchange in Rivers and Estuaries: Choosing a Gas Transfer Velocity. <i>Estuaries and Coasts</i> , 2001, 24, 312.	1.7	479
15	TROPHIC CASCADES, NUTRIENTS, AND LAKE PRODUCTIVITY: WHOLE-LAKE EXPERIMENTS. <i>Ecological Monographs</i> , 2001, 71, 163-186.	5.4	448
16	Transformation of Freshwater Ecosystems by Bivalves. <i>BioScience</i> , 1999, 49, 19.	4.9	440
17	Persistence of net heterotrophy in lakes during nutrient addition and food web manipulations. <i>Limnology and Oceanography</i> , 2000, 45, 1718-1730.	3.1	400
18	Evidence for sulphate-controlled phosphorus release from sediments of aquatic systems. <i>Nature</i> , 1989, 341, 316-318.	27.8	394

#	ARTICLE	IF	CITATIONS
19	Fates of methane from different lake habitats: Connecting whole-lake budgets and CH <sub>4</sub> emissions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	392
20	Patterns and regulation of dissolved organic carbon: An analysis of 7,500 widely distributed lakes. <i>Limnology and Oceanography</i> , 2007, 52, 1208-1219.	3.1	391
21	Sedimentation of biogenic matter in the deep ocean. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1982, 29, 609-625.	1.5	365
22	ECOSYSTEM SUBSIDIES: TERRESTRIAL SUPPORT OF AQUATIC FOOD WEBS FROM <sup>13</sup> C ADDITION TO CONTRASTING LAKES. <i>Ecology</i> , 2005, 86, 2737-2750.	3.2	341
23	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Rates and importance. <i>Limnology and Oceanography</i> , 1988, 33, 669-687.	3.1	325
24	ZEBRA MUSSEL INVASION IN A LARGE, TURBID RIVER: PHYTOPLANKTON RESPONSE TO INCREASED GRAZING. <i>Ecology</i> , 1997, 78, 588-602.	3.2	322
25	Temperature independence of carbon dioxide supersaturation in global lakes. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	318
26	Increase in the Export of Alkalinity from North America's Largest River. <i>Science</i> , 2003, 301, 88-91.	12.6	310
27	Differential support of lake food webs by three types of terrestrial organic carbon. <i>Ecology Letters</i> , 2006, 9, 558-568.	6.4	305
28	Influence of Food Web Structure on Carbon Exchange Between Lakes and the Atmosphere. <i>Science</i> , 1997, 277, 248-251.	12.6	297
29	Human influence on river nitrogen. <i>Nature</i> , 1991, 350, 386-387.	27.8	292
30	Strong evidence for terrestrial support of zooplankton in small lakes based on stable isotopes of carbon, nitrogen, and hydrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1975-1980.	7.1	291
31	Photosynthetically produced dissolved organic carbon: An important carbon source for planktonic bacteria. <i>Limnology and Oceanography</i> , 1982, 27, 1080-1090.	3.1	277
32	Impact of dissolved organic carbon, phosphorus, and grazing on phytoplankton biomass and production in experimental lakes. <i>Limnology and Oceanography</i> , 1998, 43, 73-80.	3.1	266
33	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , 2012, 2, 229-236.	2.2	257
34	The Biogeochemistry of Carbon at Hubbard Brook. <i>Biogeochemistry</i> , 2005, 75, 109-176.	3.5	246
35	Atmospheric CO <sub>2</sub> evasion, dissolved inorganic carbon production, and net heterotrophy in the York River estuary. <i>Limnology and Oceanography</i> , 2000, 45, 1707-1717.	3.1	241
36	Carbon Dioxide Concentration and Atmospheric Flux in the Hudson River. <i>Estuaries and Coasts</i> , 1997, 20, 381.	1.7	240

#	ARTICLE	IF	CITATIONS
37	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Biogeochemical controls. <i>Limnology and Oceanography</i> , 1988, 33, 688-701.	3.1	236
38	Autochthonous versus allochthonous carbon sources of bacteria: Results from whole-lake <sup>13</sup> C addition experiments. <i>Limnology and Oceanography</i> , 2004, 49, 588-596.	3.1	223
39	Molybdenum Availability, Nitrogen Limitation, and Phytoplankton Growth in Natural Waters. <i>Science</i> , 1985, 229, 653-655.	12.6	219
40	Lake metabolism and the diel oxygen technique: State of the science. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 628-644.	2.0	214
41	Synchronous variation of dissolved organic carbon and color in lakes. <i>Limnology and Oceanography</i> , 2002, 47, 333-342.	3.1	206
42	LINKING PLANKTONIC BIOMASS AND METABOLISM TO NET GAS FLUXES IN NORTHERN TEMPERATE LAKES. <i>Ecology</i> , 1999, 80, 1422-1431.	3.2	203
43	The relationship between near-surface turbulence and gas transfer velocity in freshwater systems and its implications for floating chamber measurements of gas exchange. <i>Limnology and Oceanography</i> , 2010, 55, 1723-1732.	3.1	203
44	Lake-size dependency of wind shear and convection as controls on gas exchange. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	199
45	Can phytoplankton maintain a positive carbon balance in a turbid, freshwater, tidal estuary?. <i>Limnology and Oceanography</i> , 1992, 37, 1608-1617.	3.1	198
46	Pathways of organic carbon utilization in small lakes: Results from a whole-lake <sup>13</sup> C addition and coupled model. <i>Limnology and Oceanography</i> , 2002, 47, 1664-1675.	3.1	197
47	Weak coupling of bacterial and algal production in a heterotrophic ecosystem: The Hudson River estuary. <i>Limnology and Oceanography</i> , 1991, 36, 268-278.	3.1	191
48	Is Net Ecosystem Production Equal to Ecosystem Carbon Accumulation?. <i>Ecosystems</i> , 2006, 9, 152-155.	3.4	189
49	The summer metabolic balance in the epilimnion of southeastern Quebec lakes. <i>Limnology and Oceanography</i> , 2002, 47, 316-321.	3.1	185
50	Production of heterotrophic bacteria inhabiting macroscopic organic aggregates (marine snow) from surface waters. <i>Limnology and Oceanography</i> , 1986, 31, 68-78.	3.1	180
51	Controls on the variability of organic matter and dissolved inorganic carbon ages in northeast US rivers. <i>Marine Chemistry</i> , 2004, 92, 353-366.	2.3	180
52	CONTRASTING IMPACTS OF A NATIVE AND ALIEN MACROPHYTE ON DISSOLVED OXYGEN IN A LARGE RIVER. , 2002, 12, 1496-1509.		171
53	Multiple approaches to estimating air-water gas exchange in small lakes. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 285-293.	2.0	171
54	Leading indicators of trophic cascades. <i>Ecology Letters</i> , 2008, 11, 128-138.	6.4	157

#	ARTICLE	IF	CITATIONS
55	A comparison of phosphorus immobilization in sediments of freshwater and coastal marine systems. <i>Biogeochemistry</i> , 1990, 9, 277.	3.5	155
56	Controls of $\delta^{13}\text{C}$ in lakes: Geochemistry, lake metabolism, and morphometry. <i>Limnology and Oceanography</i> , 2004, 49, 1160-1172.	3.1	152
57	Terrestrial, benthic, and pelagic resource use in lakes: results from a three-isotope Bayesian mixing model. <i>Ecology</i> , 2011, 92, 1115-1125.	3.2	146
58	Cognitions Associated With Attempts to Empathize: How Do We Imagine the Perspective of Another?. <i>Personality and Social Psychology Bulletin</i> , 2004, 30, 1625-1635.	3.0	145
59	Greenhouse Gas Emissions from Freshwater Reservoirs: What Does the Atmosphere See?. <i>Ecosystems</i> , 2018, 21, 1058-1071.	3.4	145
60	Aquatic Microbiology for Ecosystem Scientists: New and Recycled Paradigms in Ecological Microbiology. <i>Ecosystems</i> , 1999, 2, 215-225.	3.4	144
61	Comparative and experimental approaches to top-down and bottom-up regulation of bacteria. <i>Microbial Ecology</i> , 1994, 28, 181-193.	2.8	138
62	FACIAL EXPRESSION RECOGNITION BY PEOPLE WITH MÄ–BIUS SYNDROME. <i>Cognitive Neuropsychology</i> , 2000, 17, 73-87.	1.1	138
63	$\text{CO}_2$ emissions from saline lakes: A global estimate of a surprisingly large flux. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	137
64	Assessing pelagic and benthic metabolism using free water measurements. <i>Limnology and Oceanography: Methods</i> , 2007, 5, 145-155.	2.0	135
65	Expanding the concept of trophic state in aquatic ecosystems: It's not just the autotrophs. <i>Aquatic Sciences</i> , 2007, 69, 427-439.	1.5	134
66	Vascular Plants as Engineers of Oxygen in Aquatic Systems. <i>BioScience</i> , 2006, 56, 219.	4.9	128
67	Does terrestrial organic carbon subsidize the planktonic food web in a clear-water lake?. <i>Limnology and Oceanography</i> , 2007, 52, 2177-2189.	3.1	128
68	Biological Control of Eutrophication in Lakes. <i>Environmental Science &amp; Technology</i> , 1995, 29, 784-786.	10.0	123
69	Linkages between Aquatic Sediment Biota and Life Above Sediments as Potential Drivers of Biodiversity and Ecological Processes. <i>BioScience</i> , 2000, 50, 1062.	4.9	120
70	The influence of environmental water on the hydrogen stable isotope ratio in aquatic consumers. <i>Oecologia</i> , 2009, 161, 313-324.	2.0	120
71	The study of carbon in inland waters—from isolated ecosystems to players in the global carbon cycle. <i>Limnology and Oceanography Letters</i> , 2018, 3, 41-48.	3.9	118
72	Global Change and the Biodiversity of Freshwater Ecosystems: Impacts on Linkages between Above-Sediment and Sediment Biota. <i>BioScience</i> , 2000, 50, 1099.	4.9	117

#	ARTICLE	IF	CITATIONS
73	Terrestrial dominance of organic matter in north temperate lakes. <i>Global Biogeochemical Cycles</i> , 2013, 27, 43-51.	4.9	117
74	Microbial assimilation of DIN in a nitrogen rich estuary: implications for food quality and isotope studies. <i>Marine Ecology - Progress Series</i> , 1998, 167, 59-71.	1.9	117
75	Regulation of planktonic bacterial growth rates: The effects of temperature and resources. <i>Microbial Ecology</i> , 1996, 31, 15-28.	2.8	116
76	Does autochthonous primary production drive variability in bacterial metabolism and growth efficiency in lakes dominated by terrestrial C inputs?. <i>Aquatic Microbial Ecology</i> , 2005, 38, 103-111.	1.8	115
77	Emissions of Nitrous Oxide (N <sub>2</sub> O) from a Tidal, Freshwater River, the Hudson River, New York. <i>Environmental Science &amp; Technology</i> , 2001, 35, 991-996.	10.0	114
78	Millennial-aged organic carbon subsidies to a modern river food web. <i>Ecology</i> , 2010, 91, 2385-2393.	3.2	114
79	Experimental measurements of zebra mussel ( <i>Dreissena polymorpha</i> ) impacts on phytoplankton community composition. <i>Freshwater Biology</i> , 1998, 39, 375-386.	2.4	111
80	Introduction to coupled biogeochemical cycles. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 5-8.	4.0	111
81	Top down control from the bottom: Regulation of eutrophication in a large river by benthic grazing. <i>Limnology and Oceanography</i> , 2006, 51, 664-670.	3.1	109
82	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 2. Biogeochemical controls. <i>Limnology and Oceanography</i> , 1988, 33, 688-701.	3.1	106
83	Regulation of bacteria by resources and predation tested in whole-lake experiments. <i>Limnology and Oceanography</i> , 1996, 41, 1448-1460.	3.1	104
84	TROPHIC CASCADES AND COMPENSATION: DIFFERENTIAL RESPONSES OF MICROZOOPLANKTON IN WHOLE-LAKE EXPERIMENTS. <i>Ecology</i> , 1998, 79, 138-152.	3.2	95
85	Composition and degradation of salp fecal pellets: Implications for vertical flux in oceanic environments. <i>Journal of Marine Research</i> , 1989, 47, 829-850.	0.3	93
86	Variability of carbon dioxide flux from tropical (Cerrado) hydroelectric reservoirs. <i>Aquatic Sciences</i> , 2010, 72, 283-293.	1.5	92
87	pH change induces shifts in the size and light absorption of dissolved organic matter. <i>Biogeochemistry</i> , 2012, 108, 109-118.	3.5	91
88	Nutrient-chlorophyll relationships in tropical-subtropical lakes: do temperate models fit?. <i>Biogeochemistry</i> , 2006, 79, 239-250.	3.5	90
89	Short-range atmospheric transport: A significant source of phosphorus to an oligotrophic lake. <i>Limnology and Oceanography</i> , 1990, 35, 1230-1237.	3.1	85
90	Bacterial Growth on Allochthonous Carbon in Humic and Nutrient-enriched Lakes: Results from Whole-Lake <sup>13</sup> C Addition Experiments. <i>Ecosystems</i> , 2006, 9, 489-499.	3.4	84

#	ARTICLE	IF	CITATIONS
91	Changes in phytoplankton community structure during the zebra mussel ( <i>Dreissena polymorpha</i> ) invasion of the Hudson River (New York). <i>Journal of Plankton Research</i> , 1998, 20, 1567-1579.	1.8	82
92	Integrating Landscape Carbon Cycling: Research Needs for Resolving Organic Carbon Budgets of Lakes. <i>Ecosystems</i> , 2015, 18, 363-375.	3.4	81
93	Bacterial biomass and cell size distributions in lakes: More and larger cells in anoxic waters. <i>Limnology and Oceanography</i> , 1993, 38, 1627-1632.	3.1	80
94	Filtration of Hudson River Water by the Zebra Mussel ( <i>Dreissena polymorpha</i> ). <i>Estuaries and Coasts</i> , 1996, 19, 824.	1.7	80
95	Sources and fates of dissolved organic carbon in lakes as determined by whole-lake carbon isotope additions. <i>Biogeochemistry</i> , 2007, 84, 115-129.	3.5	80
96	Reversal of a cyanobacterial bloom in response to early warnings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 352-357.	7.1	79
97	Spatial heterogeneity strongly affects estimates of ecosystem metabolism in two north temperate lakes. <i>Limnology and Oceanography</i> , 2012, 57, 1689-1700.	3.1	77
98	Relationship of trophic and chemical conditions to photobleaching of dissolved organic matter in lake ecosystems. <i>Biogeochemistry</i> , 1999, 44, 259-280.	3.5	76
99	Dissolved Oxygen Declines in the Hudson River Associated with the Invasion of the Zebra Mussel ( <i>Dreissena polymorpha</i> ). <i>Environmental Science &amp; Technology</i> , 2000, 34, 1204-1210.	10.0	75
100	Depth-integrated, continuous estimates of metabolism in a clear-water lake. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 712-722.	1.4	75
101	New and recycled primary production in an oligotrophic lake: Insights for summer phosphorus dynamics. <i>Limnology and Oceanography</i> , 1992, 37, 590-602.	3.1	74
102	Can algal photosynthetic inorganic carbon isotope fractionation be predicted in lakes using existing models?. <i>Aquatic Sciences</i> , 2006, 68, 142-153.	1.5	74
103	Terrestrial support of pelagic consumers: patterns and variability revealed by a multilake study. <i>Freshwater Biology</i> , 2013, 58, 2037-2049.	2.4	74
104	Interactions of Photobleaching and Inorganic Nutrients in Determining Bacterial Growth on Colored Dissolved Organic Carbon. <i>Microbial Ecology</i> , 1998, 36, 270-280.	2.8	71
105	Nitrogen Loading of Rivers as a Human-Driven Process. , 1993, , 141-157.		70
106	Bacterial secondary production in oxic and anoxic freshwaters. <i>Limnology and Oceanography</i> , 1995, 40, 1019-1027.	3.1	70
107	With and without warning: managing ecosystems in a changing world. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 460-467.	4.0	66
108	Large CO <sub>2</sub> effluxes at night and during synoptic weather events significantly contribute to CO <sub>2</sub> emissions from a reservoir. <i>Environmental Research Letters</i> , 2016, 11, 064001.	5.2	66

#	ARTICLE	IF	CITATIONS
109	Biomass and annual production of the freshwater mussel <i>Elliptio complanata</i> in an oligotrophic softwater lake. <i>Freshwater Biology</i> , 1981, 11, 435-440.	2.4	64
110	Terrestrial Subsidies of Organic Carbon Support Net Ecosystem Production in Temporary Forest Ponds: Evidence from an Ecosystem Experiment. <i>Ecosystems</i> , 2006, 9, 1170-1176.	3.4	64
111	Hydroelectric carbon sequestration. <i>Nature Geoscience</i> , 2012, 5, 838-840.	12.9	64
112	Rapid and precise determination of dissolved oxygen by spectrophotometry: Evaluation of interference from color and turbidity. <i>Limnology and Oceanography</i> , 1999, 44, 1148-1154.	3.1	63
113	Sources and Molecular Weight of "Dissolved" Organic Carbon in an Oligotrophic Lake. <i>Oikos</i> , 1984, 42, 1.	2.7	62
114	Benthic decomposition of organic matter at a deep-water site in the Panama Basin. <i>Nature</i> , 1987, 327, 703-704.	27.8	62
115	Molybdenum assimilation by cyanobacteria and phytoplankton in freshwater and salt water. <i>Limnology and Oceanography</i> , 1993, 38, 25-35.	3.1	62
116	Spatial and Temporal Patterns of Nutrient Concentration and Export in the Tidal Hudson River. <i>Estuaries and Coasts</i> , 1999, 22, 285.	1.7	60
117	HYDROLOGY AND GRAZING JOINTLY CONTROL A LARGE-RIVER FOOD WEB. <i>Ecology</i> , 2008, 89, 12-18.	3.2	60
118	Changes in ecosystem resilience detected in automated measures of ecosystem metabolism during a whole-lake manipulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17398-17403.	7.1	59
119	Pelagic responses to changes in dissolved organic carbon following division of a seepage lake. <i>Limnology and Oceanography</i> , 1996, 41, 553-559.	3.1	57
120	Short-term variation in thermal stratification complicates estimation of lake metabolism. <i>Aquatic Sciences</i> , 2011, 73, 305-315.	1.5	55
121	Early warning signals precede cyanobacterial blooms in multiple whole-lake experiments. <i>Ecological Monographs</i> , 2018, 88, 188-203.	5.4	54
122	Regulation of bacterial growth efficiency in a large turbid estuary. <i>Aquatic Microbial Ecology</i> , 1999, 20, 31-38.	1.8	54
123	Impact of chemically enhanced diffusion on dissolved inorganic carbon stable isotopes in a fertilized lake. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	53
124	Title is missing!. <i>Biogeochemistry</i> , 2003, 64, 247-269.	3.5	52
125	Diary of a bluegill ( <i>Lepomis macrochirus</i> ): daily $\delta^{13}C$ and $\delta^{18}O$ records in otoliths by ion microprobe. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 1641-1645.	1.4	50
126	Hydrologic Variability of Small, Northern Michigan Lakes Measured by the Addition of Tracers. <i>Ecosystems</i> , 1998, 1, 310-320.	3.4	49



#	ARTICLE	IF	CITATIONS
127	Linking Planktonic Biomass and Metabolism to Net Gas Fluxes in Northern Temperate Lakes. <i>Ecology</i> , 1999, 80, 1422.	3.2	49
128	Modeled Effects of Dissolved Organic Carbon and Solar Spectra on Photobleaching in Lake Ecosystems. <i>Ecosystems</i> , 2000, 3, 419-432.	3.4	49
129	Decadal-Scale Change in a Large-River Ecosystem. <i>BioScience</i> , 2014, 64, 496-510.	4.9	49
130	Decomposition of Planktonic Algae in an Oligotrophic Lake. <i>Oikos</i> , 1984, 42, 257.	2.7	48
131	Population dynamics of bacterioplankton in an oligotrophic lake. <i>Journal of Plankton Research</i> , 1995, 17, 365-391.	1.8	47
132	Temporal dynamics of dissolved oxygen in a floating-leaved macrophyte bed. <i>Freshwater Biology</i> , 2008, 53, 1632-1641.	2.4	47
133	Exogenously produced CO <sub>2</sub> doubles the CO <sub>2</sub> efflux from three north temperate lakes. <i>Geophysical Research Letters</i> , 2016, 43, 1996-2003.	4.0	46
134	Evaluating Alternative Explanations in Ecosystem Experiments. <i>Ecosystems</i> , 1998, 1, 335-344.	3.4	45
135	Terrestrial support of zebra mussels and the Hudson River food web: A multi-isotope, Bayesian analysis. <i>Limnology and Oceanography</i> , 2012, 57, 1802-1815.	3.1	45
136	Carbon Sequestration in a Large Hydroelectric Reservoir: An Integrative Seismic Approach. <i>Ecosystems</i> , 2014, 17, 430-441.	3.4	45
137	Longitudinal Spatial Patterns of Bacterial Production and Respiration in a Large River Estuary: Implications for Ecosystem Carbon Consumption. <i>Ecosystems</i> , 2005, 8, 318-330.	3.4	43
138	Research frontiers in the analysis of coupled biogeochemical cycles. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 74-80.	4.0	42
139	Response of phytoplankton and bacteria to nutrients and zooplankton: a mesocosm experiment. <i>Journal of Plankton Research</i> , 1997, 19, 995-1010.	1.8	41
140	Carbon sources supporting fish growth in a north temperate lake. <i>Aquatic Sciences</i> , 2008, 70, 446-458.	1.5	41
141	Response of plankton to nutrients, planktivory and terrestrial organic matter: a model analysis of whole-lake experiments. <i>Ecology Letters</i> , 2016, 19, 230-239.	6.4	41
142	Simplified Version of the Ampoule-Persulfate Method for Determination of Dissolved Organic Carbon. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1987, 44, 214-218.	1.4	40
143	Sulfate inhibition of molybdenum-dependent nitrogen fixation by planktonic cyanobacteria under seawater conditions: a non-reversible effect. <i>Hydrobiologia</i> , 2003, 500, 277-293.	2.0	38
144	Support of benthic invertebrates by detrital resources and current autochthonous primary production: results from a whole-lake <sup>13</sup> C addition. <i>Freshwater Biology</i> , 2008, 53, 42-54.	2.4	38

#	ARTICLE	IF	CITATIONS
145	A detailed organic carbon budget as an ecosystem-level calibration of bacterial respiration in an oligotrophic lake during midsummer. <i>Limnology and Oceanography</i> , 1989, 34, 286-296.	3.1	37
146	Terrestrial, benthic, and pelagic resource use in lakes: results from a three-isotope Bayesian mixing model. <i>Ecology</i> , 2011, 92, 1115-1125.	3.2	37
147	Sulfate inhibition of molybdate assimilation by planktonic algae and bacteria: some implications for the aquatic nitrogen cycle. <i>Biogeochemistry</i> , 1986, 2, 179-196.	3.5	36
148	Uptake of dissolved organic matter (DOM) and its importance to metabolic requirements of the zebra mussel, <i>Dreissena polymorpha</i> . <i>Limnology and Oceanography</i> , 2005, 50, 36-47.	3.1	36
149	Primary and bacterial production in lakes: are they coupled over depth?. <i>Journal of Plankton Research</i> , 1994, 16, 661-672.	1.8	35
150	Difficulty in Discerning Drivers of Lake Ecosystem Metabolism with High-Frequency Data. <i>Ecosystems</i> , 2011, 14, 935-948.	3.4	35
151	A new approach for rapid detection of nearby thresholds in ecosystem time series. <i>Oikos</i> , 2014, 123, 290-297.	2.7	35
152	A Cross-System Study of Phosphorus Release from Lake Sediments. , 1991, , 241-258.		34
153	Hydrogen isotope discrimination in aquatic primary producers: implications for aquatic food web studies. <i>Aquatic Sciences</i> , 2014, 76, 217-229.	1.5	34
154	Human influence on nitrogen export: a comparison of mesic and xeric catchments. <i>Marine and Freshwater Research</i> , 2001, 52, 119.	1.3	33
155	Measurements of mineralization of phytoplankton detritus in an oligotrophic lake <sup>1</sup> . <i>Limnology and Oceanography</i> , 1979, 24, 541-547.	3.1	32
156	Long-Term Temperature Trends of the Hudson River: A Study of the Historical Data. <i>Estuaries and Coasts</i> , 1994, 17, 166.	1.7	31
157	Resources supporting the food web of a naturally productive lake. <i>Limnology and Oceanography</i> , 2012, 57, 1443-1452.	3.1	30
158	Effects of whole-lake manipulations of nutrient loading and food web structure on planktonic respiration. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 487-496.	1.4	29
159	Why measure bacterial production? A reply to the comment by Jahnke and Craven. <i>Limnology and Oceanography</i> , 1995, 40, 441-444.	3.1	28
160	Changes in cyanobacterial dominance following the invasion of the zebra mussel <i>Dreissena polymorpha</i> : Long-term results from the Hudson River estuary. <i>Estuaries and Coasts</i> , 2007, 30, 163-170.	2.2	28
161	Aquatic metabolism in the Everglades: Dominance of water column heterotrophy. <i>Limnology and Oceanography</i> , 2010, 55, 653-666.	3.1	28
162	Trophic Cascades, Nutrients, and Lake Productivity: Whole-Lake Experiments. <i>Ecological Monographs</i> , 2001, 71, 163.	5.4	28

#	ARTICLE	IF	CITATIONS
163	First Report of Generalized Face Processing Difficulties in MÃ¶bius Sequence. PLoS ONE, 2013, 8, e62656.	2.5	27
164	Aquatic metabolism in the Everglades: Dominance of water column heterotrophy. Limnology and Oceanography, 2010, 55, 653-666.	3.1	27
165	Variation in transparent exopolymer particles in relation to biological and chemical factors in two contrasting lake districts. Aquatic Sciences, 2010, 72, 443-453.	1.5	26
166	Asymmetric response of early warning indicators of phytoplankton transition to and from cycles. Theoretical Ecology, 2013, 6, 285-293.	1.0	26
167	Deuterium as a food source tracer: Sensitivity to environmental water, lipid content, and hydrogen exchange. Limnology and Oceanography: Methods, 2015, 13, 213-223.	2.0	26
168	Title is missing!. Biogeochemistry, 1999, 44, 259-280.	3.5	25
169	Freshwater in flux. Nature Geoscience, 2013, 6, 13-14.	12.9	25
170	Assigning hydrogen, carbon, and nitrogen isotope values for phytoplankton and terrestrial detritus in aquatic food web studies. Inland Waters, 2014, 4, 233-242.	2.2	25
171	Airborne carbon deposition on a remote forested lake. Aquatic Sciences, 2008, 70, 213-224.	1.5	24
172	Altered energy flow in the food web of an experimentally darkened lake. Ecosphere, 2015, 6, 1-23.	2.2	24
173	Physical and biological contributions to metalimnetic oxygen maxima in lakes. Limnology and Oceanography, 2015, 60, 242-251.	3.1	24
174	Sulfate inhibition of molybdenum-dependent nitrogen fixation by planktonic cyanobacteria under sea water conditions: a non-reversible effect. , 2003, , 277-293.		22
175	Annual Metabolism of a Temporary Pond Ecosystem. American Midland Naturalist, 1978, 100, 15.	0.4	21
176	Nutrient budgets of a temporary pond ecosystem. Hydrobiologia, 1979, 63, 213-222.	2.0	20
177	Dissolved organic matter and persistence of the invasive zebra mussel (Dreissena polymorpha) under low food conditions. Limnology and Oceanography, 2007, 52, 70-78.	3.1	20
178	A method for the measurement of particulate C and P on the same filtered sample. Marine Ecology - Progress Series, 2001, 217, 59-65.	1.9	20
179	CO2 and O2 dynamics in human-impacted watersheds in the state of SÃ£o Paulo, Brazil. Biogeochemistry, 2008, 88, 271-283.	3.5	17
180	Leading indicators of phytoplankton transitions caused by resource competition. Theoretical Ecology, 2009, 2, 139-148.	1.0	17

#	ARTICLE	IF	CITATIONS
181	Effects of Postnatal Exposure to a Mixture of Polychlorinated Biphenyls, p,p'-dichlorodiphenyltrichloroethane, and p,p'-dichlorodiphenyldichloroethane in Prepubertal and Adult Female Sprague-Dawley Rats. <i>International Journal of Toxicology</i> , 2005, 24, 111-127.	1.2	16
182	Emissions from Amazonian dams. <i>Nature Climate Change</i> , 2013, 3, 1005-1005.	18.8	15
183	Primary Production and Its Regulation in the Tidal-Freshwater Hudson River. , 2006, , 107-120.		15
184	Seasonal variation in the flux of algal pigments to a deep-water site in the Panama Basin. <i>Hydrobiologia</i> , 1985, 122, 193-197.	2.0	14
185	Rapid microbial metabolism of non-protein amino acids in the sea. <i>Biogeochemistry</i> , 1986, 2, 299-312.	3.5	14
186	Coupled biogeochemical cycles and Earth stewardship. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 3-3.	4.0	14
187	Use of deep autochthonous resources by zooplankton: Results of a metalimnetic addition of <sup>13</sup>C to a small lake. <i>Limnology and Oceanography</i> , 2014, 59, 986-996.	3.1	14
188	Defining the Key Competencies in Radiation Protection for Endovascular Procedures: A Multispecialty Delphi Consensus Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018, 55, 281-287.	1.5	14
189	A practical method for measuring integrated solar radiation reaching streambeds using photodegrading dyes. <i>Freshwater Science</i> , 2012, 31, 1070-1077.	1.8	13
190	The Carbon Cycle. , 2013, , 109-135.		11
191	Photosynthesis or planktonic respiration?. <i>Nature</i> , 1997, 388, 132-133.	27.8	7
192	Do Daphnia use metalimnetic organic matter in a north temperate lake? An analysis of vertical migration. <i>Inland Waters</i> , 2012, 2, 193-198.	2.2	7
193	Production in pristine lakes. <i>Nature</i> , 2009, 460, 463-464.	27.8	6
194	On the Relevance of Comparative Ecology to the Larger Field of Ecology. , 1991, , 46-63.		6
195	Species loss in the brown world: are heterotrophic systems inherently stable?. <i>Aquatic Sciences</i> , 2012, 74, 397-404.	1.5	5
196	The Carbon Cycle: With a Brief Introduction to Global Biogeochemistry. , 2021, , 131-160.		5
197	The Carbon Cycle in Lakes: A Biogeochemical Perspective. , 2021, , .		2
198	Microorganisms and Greenhouse Gases. <i>Ecology</i> , 1993, 74, 637-638.	3.2	0

#	ARTICLE	IF	CITATIONS
199	ASLO'S NEXT INTERNATIONAL MEETING- A CALL FOR PROPOSALS. Limnology and Oceanography Bulletin, 2005, 14, 65-66.	0.4	0
200	NOMINATE SOMEONE: ASLO AWARDS AND ASLO GOVERNANCE. Limnology and Oceanography Bulletin, 2005, 14, 63-64.	0.4	0
201	ASLO AWARDS: NOMINATE SOMEONE. Limnology and Oceanography Bulletin, 2006, 15, 29-30.	0.4	0
202	How Many Limnologists Does It Take to Fix the Plumbing? The Established Researcher. Bulletin of the Ecological Society of America, 2017, 98, 100-102.	0.2	0
203	Microbial Carbon Cycling in Pelagic Ecosystems: Microbial Methods for Ecosystem Scientists. , 2000, , 138-150.		0
204	Mirror Lake's Ecologic Interactions. , 1985, , 311-344.		0