Stephanie E Hampton

List of Publications by Year
in descending order

80 papers	6,412 citations	101496 36 h-index	69214 77 g-index
85 all docs	85 docs citations	85 times ranked	9234 citing authors

#	Article	IF	Citations
1	Lake responses to reduced nutrient loading - an analysis of contemporary long-term data from 35 case studies. Freshwater Biology, 2005, 50, 1747-1771.	1.2	1,080
2	Rapid and highly variable warming of lake surface waters around the globe. Geophysical Research Letters, 2015, 42, 10,773.	1.5	767
3	Big data and the future of ecology. Frontiers in Ecology and the Environment, 2013, 11, 156-162.	1.9	657
4	Ecology under lake ice. Ecology Letters, 2017, 20, 98-111.	3.0	320
5	Sixty years of environmental change in the world's largest freshwater lake â€“ Lake Baikal, Siberia. Global Change Biology, 2008, 14, 1947-1958.	4.2	288
6	Natural History's Place in Science and Society. BioScience, 2014, 64, 300-310.	2.2	231
7	A global database of lake surface temperatures collected by in situ and satellite methods from 1985â€“2009. Scientific Data, 2015, 2, 150008.	2.4	153
8	Climate Change and the World's â€œSacred Seaâ€â€”Lake Baikal, Siberia. BioScience, 2009, 59, 405-417.	2.2	145
9	Collaboration and Productivity in Scientific Synthesis. BioScience, 2011, 61, 900-910.	2.2	145
10	An Evidence Synthesis of Pharmaceuticals and Personal Care Products (PPCPs) in the Environment: Imbalances among Compounds, Sewage Treatment Techniques, and Ecosystem Types. Environmental Science & Technology, 2019, 53, 12961-12973.	4.6	126
11	The Tao of open science for ecology. Ecosphere, 2015, 6, 1-13.	1.0	120
12	Open science, reproducibility, and transparency in ecology. Ecological Applications, 2019, 29, e01822.	1.8	118
13	A synthesis of carbon dioxide and methane dynamics during the iceâ€covered period of northern lakes. Limnology and Oceanography Letters, 2018, 3, 117-131.	1.6	98
14	Quantifying effects of abiotic and biotic drivers on community dynamics with multivariate autoregressive (MAR) models. Ecology, 2013, 94, 2663-2669.	1.5	91
15	Heating up a cold subject: prospects for under-ice plankton research in lakes. Journal of Plankton Research, 2015, 37, 277-284.	0.8	91
16	Lake-wide physical and biological trends associated with warming in Lake Baikal. Journal of Great Lakes Research, 2016, 42, 6-17.	0.8	90
17	A Tale of Two Spills: Novel Science and Policy Implications of an Emerging New Oil Spill Model. BioScience, 2012, 62, 461-469.	2.2	89
18	Government: Plan for ecosystem services. Science, 2016, 351, 1037-1037.	6.0	71

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19	Fewer blue lakes and more murky lakes across the continental U.S.: Implications for planktonic food webs. Limnology and Oceanography, 2018, 63, 2661-2680.	1.6	70
20	Skills and Knowledge for Data-Intensive Environmental Research. BioScience, 2017, 67, 546-557.	2.2	68
21	Recent ecological change in ancient lakes. Limnology and Oceanography, 2018, 63, 2277-2304.	1.6	68
22	Coalescence in the Lake Washington story: Interaction strengths in a planktonic food web. Limnology and Oceanography, 2006, 51, 2042-2051.	1.6	67
23	The Rise and Fall of Plankton: Long-Term Changes in the Vertical Distribution of Algae and Grazers in Lake Baikal, Siberia. PLoS ONE, 2014, 9, e88920.	1.1	64
24	The â€œ<scp>M</scp>elosira yearsâ€•of Lake <scp>B</scp>aikal: Winter environmental conditions at ice onset predict underâ€ice algal blooms in spring. Limnology and Oceanography, 2015, 60, 1950-1964.	1.6	63
25	Effects of shoreline development on the nearshore environment in large deep oligotrophic lakes. Freshwater Biology, 2008, 53, 1673-1691.	1.2	62
26	Global Opportunities to Increase Agricultural Independence Through Phosphorus Recycling. Earth's Future, 2019, 7, 370-383.	2.4	62
27	Communicating with the public: opportunities and rewards for individual ecologists. Frontiers in Ecology and the Environment, 2010, 8, 292-298.	1.9	58
28	Diel vertical migrations of zooplankton in a shallow, fishless pond: a possible avoidance-response cascade induced by notonectids. Freshwater Biology, 2001, 46, 611-621.	1.2	54
29	Ice duration drives winter nitrate accumulation in north temperate lakes. Limnology and Oceanography Letters, 2017, 2, 177-186.	1.6	54
30	Habitat overlap of enemies: temporal patterns and the role of spatial complexity. Oecologia, 2004, 138, 475-484.	0.9	53
31	Disproportionate importance of nearshore habitat for the food web of a deep oligotrophic lake. Marine and Freshwater Research, 2011, 62, 350.	0.7	48
32	Integrating Perspectives to Understand Lake Ice Dynamics in a Changing World. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005799.	1.3	48
33	The unique methodological challenges of winter limnology. Limnology and Oceanography: Methods, 2019, 17, 42-57.	1.0	47
34	Winter Limnology as a New Frontier. Limnology and Oceanography Bulletin, 2016, 25, 103-108.	0.2	46
35	Synthesis Centers as Critical Research Infrastructure. BioScience, 2017, 67, 750-759.	2.2	46
36	Direct and indirect effects of juvenile Buenoa macrotibialis (Hemiptera: Notonectidae) on the zooplankton of a shallow pond. Limnology and Oceanography, 2000, 45, 1006-1012.	1.6	40

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37	Nitrification contributes to winter oxygen depletion in seasonally frozen forested lakes. Biogeochemistry, 2017, 136, 119-129.	1.7	39
38	The Changing Face of Winter: Lessons and Questions From the Laurentian Great Lakes. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006247.	1.3	35
39	Opportunistic foraging by heteropteran mosquito predators. Aquatic Ecology, 2010, 44, 167-176.	0.7	34
40	Increased niche differentiation between two Conochilus species over 33 years of climate change and food web alteration. Limnology and Oceanography, 2005, 50, 421-426.	1.6	33
41	Empirical evaluation of observation scale effects in community time series. Oikos, 2006, 113, 424-439.	1.2	33
42	The Promise and Potential of Continentalâ€Scale Limnology Using the U.S. Environmental Protection Agency's National Lakes Assessment. Limnology and Oceanography Bulletin, 2018, 27, 36-41.	0.2	33
43	The fractured lab notebook: undergraduates and ecological data management training in the United States. Ecosphere, 2012, 3, 1-18.	1.0	32
44	Ten simple rules for collaboratively writing a multi-authored paper. PLoS Computational Biology, 2018, 14, e1006508.	1.5	30
45	Environmentally controlled Daphnia spring increase with implications for sockeye salmon fry in Lake Washington, USA. Journal of Plankton Research, 2006, 28, 399-406.	0.8	26
46	Shifting Regimes and Changing Interactions in the Lake Washington, U.S.A., Plankton Community from 1962â€“1994. PLoS ONE, 2014, 9, e110363.	1.1	26
47	Observations of insect predation on rotifers. Hydrobiologia, 2001, 446/447, 115-121.	1.0	25
48	Using large public datasets in the undergraduate ecology classroom. Frontiers in Ecology and the Environment, 2014, 12, 362-363.	1.9	22
49	Phytoplankton responses to nitrogen enrichment in Pacific Northwest, USA Mountain Lakes. Hydrobiologia, 2016, 776, 261-276.	1.0	21
50	Longâ€term perspectives in aquatic research. Limnology and Oceanography, 2019, 64, S2.	1.6	21
51	Differences in predation among morphotypes of the rotifer Asplanchna silvestrii. Freshwater Biology, 1998, 40, 595-605.	1.2	17
52	Nutrient limitation of benthic algae in Lake Baikal, Russia. Freshwater Science, 2018, 37, 472-482.	0.9	17
53	Understanding Lakes Near and Far. Science, 2013, 342, 815-816.	6.0	15
54	Toward a national, sustained U.S. ecosystem assessment. Science, 2016, 354, 838-839.	6.0	15

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55	Influence of Long-Distance Climate Teleconnection on Seasonality of Water Temperature in the World's Largest Lake - Lake Baikal, Siberia. PLoS ONE, 2011, 6, e14688.	1.1	15
56	The Lake Ice Continuum Concept: Influence of Winter Conditions on Energy and Ecosystem Dynamics. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006165.	1.3	15
57	The case for research integration, from genomics to remote sensing, to understand biodiversity change and functional dynamics in the world's lakes. Global Change Biology, 2020, 26, 3230-3240.	4.2	14
58	Diel habitat shifts of macrofauna in a fishless pond. Marine and Freshwater Research, 2003, 54, 797.	0.7	13
59	Vulnerability of rotifers and copepod nauplii to predation by Cyclops kolensis (Crustacea, Copepoda) under varying temperatures in Lake Baikal, Siberia. Hydrobiologia, 2017, 796, 309-318.	1.0	13
60	Do synthesis centers synthesize? A semantic analysis of topical diversity in research. Research Policy, 2021, 50, 104069.	3.3	13
61	Best Practices for Virtual Participation in Meetings: Experiences from Synthesis Centers. Bulletin of the Ecological Society of America, 2017, 98, 57-63.	0.2	12
62	Ecological data in the Information Age. Frontiers in Ecology and the Environment, 2012, 10, 59-59.	1.9	11
63	Growing Pains for Ecology in the Twenty-First Century. BioScience, 2013, 63, 69-71.	2.2	11
64	Climate Changeâ€"Driven Regime Shifts in a Planktonic Food Web. American Naturalist, 2021, 197, 281-295.	1.0	11
65	Assessing marine plankton community structure from long-term monitoring data with multivariate autoregressive (MAR) models: a comparison of fixed station versus spatially distributed sampling data. Limnology and Oceanography: Methods, 2012, 10, 54-64.	1.0	10
66	Inferring plankton community structure from marine and freshwater long-term data using multivariate autoregressive models. Limnology and Oceanography: Methods, 2013, 11, 475-484.	1.0	10
67	Careers in ecology: a fineâ€scale investigation of national data from the U.S. Survey of Doctorate Recipients. Ecosphere, 2017, 8, e02031.	1.0	10
68	How do data collection and processing methods impact the accuracy of longâ€term trend estimation in lake surfaceâ€water temperatures?. Limnology and Oceanography: Methods, 2018, 16, 504-515.	1.0	10
69	Observations of insect predation on rotifers. , 2001, , 115-121.		10
70	Nocturnal increases in the use of near-surface water by pond animals. Hydrobiologia, 2002, 477, 171-179.	1.0	9
71	Modeling the trophic impacts of invasive zooplankton in a highly invaded river. PLoS ONE, 2020, 15, e0243002.	1.1	8
72	Hot and sick? Impacts of warming and a parasite on the dominant zooplankter of Lake Baikal. Limnology and Oceanography, 2020, 65, 2772-2786.	1.6	7

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73	Defining the Nature of the Nexus: Specialization, Connectedness, Scarcity, and Scale in Foodâ€“Energyâ€“Water Management. Water (Switzerland), 2020, 12, 972.	1.2	7
74	Categorizing Professionalsâ€™ Perspectives on Environmental Communication with Implications for Graduate Education. Environmental Communication, 2021, 15, 447-464.	1.2	6
75	A unified dataset of colocated sewage pollution, periphyton, and benthic macroinvertebrate community and food web structure from Lake Baikal (Siberia). Limnology and Oceanography Letters, 0, , .	1.6	5
76	Data system design alters meaning in ecological data: salmon habitat restoration across the U.S. Pacific Northwest. Ecosphere, 2019, 10, e02920.	1.0	3
77	Morphotype-specific predation in the trimorphic rotifer Asplanchna silvestrii. , 1998, , 437-444.		2
78	Ecology Teaching Tips for First-year Professors. Bulletin of the Ecological Society of America, 2004, 85, 56-64.	0.2	1
79	The Global Lake Area, Climate, and Population Dataset: A New Tool for Addressing Critical Limnological Questions. Limnology and Oceanography Bulletin, 2020, 29, 110-116.	0.2	1
80	LONG-TERM PERSPECTIVES ON LAKE SCIENCE AND MANAGEMENT. Limnology and Oceanography Bulletin, 2013, 22, 74-75.	0.2	0