# Stephanie E Hampton

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Do synthesis centers synthesize? A semantic analysis of topical diversity in research. Research Policy, 2021, 50, 104069. | 3.3 | 13 |
| 2 | Categorizing Professionalsâ€™ Perspectives on Environmental Communication with Implications for Graduate Education. Environmental Communication, 2021, 15, 447-464. | 1.2 | 6 |
| 3 | Climate Changeâ€“Driven Regime Shifts in a Planktonic Food Web. American Naturalist, 2021, 197, 281-295. | 1.0 | 11 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Integrating Perspectives to Understand Lake Ice Dynamics in a Changing World. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005799. | 1.3 | 48 |
| 8 | 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 |
| 9 | 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 |
| 10 | Defining the Nature of the Nexus: Specialization, Connectedness, Scarcity, and Scale in Foodâ€“Energyâ€“Water Management. Water (Switzerland), 2020, 12, 972. | 1.2 | 7 |
| 11 | Modeling the trophic impacts of invasive zooplankton in a highly invaded river. PLoS ONE, 2020, 15, e0243002. | 1.1 | 8 |
| 12 | 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 |
| 13 | Global Opportunities to Increase Agricultural Independence Through Phosphorus Recycling. Earth's Future, 2019, 7, 370-383. | 2.4 | 62 |
| 14 | Data system design alters meaning in ecological data: salmon habitat restoration across the U.S. Pacific Northwest. Ecosphere, 2019, 10, e02920. | 1.0 | 3 |
| 15 | The unique methodological challenges of winter limnology. Limnology and Oceanography: Methods, 2019, 17, 42-57. | 1.0 | 47 |
| 16 | Open science, reproducibility, and transparency in ecology. Ecological Applications, 2019, 29, e01822. | 1.8 | 118 |
| 17 | Longâ€term perspectives in aquatic research. Limnology and Oceanography, 2019, 64, S2. | 1.6 | 21 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Ten simple rules for collaboratively writing a multi-authored paper. PLoS Computational Biology, 2018, 14, e1006508. | 1.5 | 30 |
| 20 | 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 |
| 21 | Nutrient limitation of benthic algae in Lake Baikal, Russia. Freshwater Science, 2018, 37, 472-482. | 0.9 | 17 |
| 22 | Recent ecological change in ancient lakes. Limnology and Oceanography, 2018, 63, 2277-2304. | 1.6 | 68 |
| 23 | 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 |
| 24 | 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 |
| 25 | Skills and Knowledge for Data-Intensive Environmental Research. BioScience, 2017, 67, 546-557. | 2.2 | 68 |
| 26 | Synthesis Centers as Critical Research Infrastructure. BioScience, 2017, 67, 750-759. | 2.2 | 46 |
| 27 | Nitrification contributes to winter oxygen depletion in seasonally frozen forested lakes. Biogeochemistry, 2017, 136, 119-129. | 1.7 | 39 |
| 28 | 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 |
| 29 | Ice duration drives winter nitrate accumulation in north temperate lakes. Limnology and Oceanography Letters, 2017, 2, 177-186. | 1.6 | 54 |
| 30 | 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 |
| 31 | Ecology under lake ice. Ecology Letters, 2017, 20, 98-111. | 3.0 | 320 |
| 32 | 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 |
| 33 | Winter Limnology as a New Frontier. Limnology and Oceanography Bulletin, 2016, 25, 103-108. | 0.2 | 46 |
| 34 | Toward a national, sustained U.S. ecosystem assessment. Science, 2016, 354, 838-839. | 6.0 | 15 |
| 35 | Phytoplankton responses to nitrogen enrichment in Pacific Northwest, USA Mountain Lakes. Hydrobiologia, 2016, 776, 261-276. | 1.0 | 21 |
| 36 | Government: Plan for ecosystem services. Science, 2016, 351, 1037-1037. | 6.0 | 71 |

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|---|---|---|---|
| 37 | Lake-wide physical and biological trends associated with warming in Lake Baikal. Journal of Great Lakes Research, 2016, 42, 6-17. | 0.8 | 90 |
| 38 | 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 |
| 39 | Rapid and highly variable warming of lake surface waters around the globe. Geophysical Research Letters, 2015, 42, 10,773. | 1.5 | 767 |
| 40 | 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 |
| 41 | Heating up a cold subject: prospects for under-ice plankton research in lakes. Journal of Plankton Research, 2015, 37, 277-284. | 0.8 | 91 |
| 42 | The Tao of open science for ecology. Ecosphere, 2015, 6, 1-13. | 1.0 | 120 |
| 43 | 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 |
| 44 | Natural History's Place in Science and Society. BioScience, 2014, 64, 300-310. | 2.2 | 231 |
| 45 | Using large public datasets in the undergraduate ecology classroom. Frontiers in Ecology and the Environment, 2014, 12, 362-363. | 1.9 | 22 |
| 46 | 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 |
| 47 | Understanding Lakes Near and Far. Science, 2013, 342, 815-816. | 6.0 | 15 |
| 48 | Big data and the future of ecology. Frontiers in Ecology and the Environment, 2013, 11, 156-162. | 1.9 | 657 |
| 49 | Quantifying effects of abiotic and biotic drivers on community dynamics with multivariate autoregressive (MAR) models. Ecology, 2013, 94, 2663-2669. | 1.5 | 91 |
| 50 | Growing Pains for Ecology in the Twenty-First Century. BioScience, 2013, 63, 69-71. | 2.2 | 11 |
| 51 | 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 |
| 52 | LONG-TERM PERSPECTIVES ON LAKE SCIENCE AND MANAGEMENT. Limnology and Oceanography Bulletin, 2013, 22, 74-75. | 0.2 | 0 |
| 53 | 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 |
| 54 | The fractured lab notebook: undergraduates and ecological data management training in the United States. Ecosphere, 2012, 3, 1-18. | 1.0 | 32 |

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|---|---|---|---|
| 55 | Ecological data in the Information Age. Frontiers in Ecology and the Environment, 2012, 10, 59-59. | 1.9 | 11 |
| 56 | 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 |
| 57 | Disproportionate importance of nearshore habitat for the food web of a deep oligotrophic lake. Marine and Freshwater Research, 2011, 62, 350. | 0.7 | 48 |
| 58 | Collaboration and Productivity in Scientific Synthesis. BioScience, 2011, 61, 900-910. | 2.2 | 145 |
| 59 | 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 |
| 60 | Opportunistic foraging by heteropteran mosquito predators. Aquatic Ecology, 2010, 44, 167-176. | 0.7 | 34 |
| 61 | Communicating with the public: opportunities and rewards for individual ecologists. Frontiers in Ecology and the Environment, 2010, 8, 292-298. | 1.9 | 58 |
| 62 | Climate Change and the World's â€œSacred Seaâ€â€”Lake Baikal, Siberia. BioScience, 2009, 59, 405-417. | 2.2 | 145 |
| 63 | Effects of shoreline development on the nearshore environment in large deep oligotrophic lakes. Freshwater Biology, 2008, 53, 1673-1691. | 1.2 | 62 |
| 64 | 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 |
| 65 | Empirical evaluation of observation scale effects in community time series. Oikos, 2006, 113, 424-439. | 1.2 | 33 |
| 66 | Coalescence in the Lake Washington story: Interaction strengths in a planktonic food web. Limnology and Oceanography, 2006, 51, 2042-2051. | 1.6 | 67 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | Ecology Teaching Tips for First-year Professors. Bulletin of the Ecological Society of America, 2004, 85, 56-64. | 0.2 | 1 |
| 71 | Habitat overlap of enemies: temporal patterns and the role of spatial complexity. Oecologia, 2004, 138, 475-484. | 0.9 | 53 |
| 72 | Diel habitat shifts of macrofauna in a fishless pond. Marine and Freshwater Research, 2003, 54, 797. | 0.7 | 13 |

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|---|---|---|---|
| 73 | Nocturnal increases in the use of near-surface water by pond animals. Hydrobiologia, 2002, 477, 171-179. | 1.0 | 9 |
| 74 | 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 |
| 75 | Observations of insect predation on rotifers. Hydrobiologia, 2001, 446/447, 115-121. | 1.0 | 25 |
| 76 | Observations of insect predation on rotifers. , 2001, , 115-121. | | 10 |
| 77 | 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 |
| 78 | Differences in predation among morphotypes of the rotifer Asplanchna silvestrii. Freshwater Biology, 1998, 40, 595-605. | 1.2 | 17 |
| 79 | Morphotype-specific predation in the trimorphic rotifer Asplanchna silvestrii. , 1998, , 437-444. | | 2 |
| 80 | 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 |