

Jason D Stockwell

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,622
citations

172207

29
h-index

214527

47
g-index

85
all docs

85
docs citations

85
times ranked

2386
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecology under lake ice. <i>Ecology Letters</i> , 2017, 20, 98-111.	3.0	320
2	Storm impacts on phytoplankton community dynamics in lakes. <i>Global Change Biology</i> , 2020, 26, 2756-2784.	4.2	144
3	Adverse Effects of Alewives on Laurentian Great Lakes Fish Communities. <i>North American Journal of Fisheries Management</i> , 2008, 28, 263-282.	0.5	127
4	Patterns and drivers of deep chlorophyll maxima structure in 100 lakes: The relative importance of light and thermal stratification. <i>Limnology and Oceanography</i> , 2018, 63, 628-646.	1.6	119
5	A global agenda for advancing freshwater biodiversity research. <i>Ecology Letters</i> , 2022, 25, 255-263.	3.0	95
6	A Synthesis of Cisco Recovery in Lake Superior: Implications for Native Fish Rehabilitation in the Laurentian Great Lakes. <i>North American Journal of Fisheries Management</i> , 2009, 29, 626-652.	0.5	78
7	Trophic connections in Lake Superior Part I: The offshore fish community. <i>Journal of Great Lakes Research</i> , 2011, 37, 541-549.	0.8	73
8	Depth gradients in food web processes linking habitats in large lakes: Lake Superior as an exemplar ecosystem. <i>Freshwater Biology</i> , 2014, 59, 2122-2136.	1.2	69
9	How Systematic Age Underestimation Can Impede Understanding of Fish Population Dynamics: Lessons Learned from a Lake Superior Cisco Stock. <i>Transactions of the American Fisheries Society</i> , 2008, 137, 481-495.	0.6	68
10	Trophic connections in Lake Superior Part II: The nearshore fish community. <i>Journal of Great Lakes Research</i> , 2011, 37, 550-560.	0.8	61
11	A Rapid Assessment Procedure for the Enumeration of Salmonine Populations in Streams. <i>North American Journal of Fisheries Management</i> , 1995, 15, 551-562.	0.5	59
12	Forecasting effects of climate change on Great Lakes fisheries: models that link habitat supply to population dynamics can help. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 457-468.	0.7	58
13	Empirical evaluation of predator-driven diel vertical migration in Lake Superior. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 473-485.	0.7	58
14	Seasonally Dynamic Diel Vertical Migrations of <i>Mysis diluviana</i> , Coregonine Fishes, and Siscowet Lake Trout in the Pelagia of Western Lake Superior. <i>Transactions of the American Fisheries Society</i> , 2011, 140, 1504-1520.	0.6	55
15	Using Multiple Gears to Assess Acoustic Detectability and Biomass of Fish Species in Lake Superior. <i>North American Journal of Fisheries Management</i> , 2007, 27, 106-126.	0.5	53
16	Evaluation of Bottom Trawls as Compared to Acoustics to Assess Adult Lake Herring (<i>Coregonus</i>) in Lake Superior. <i>Journal of Great Lakes Research</i> , 2010, 36, 47-57.	0.8	47
17	The unique methodological challenges of winter limnology. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 42-57.	1.0	47
18	Climate-driven changes in energy and mass inputs systematically alter nutrient concentration and stoichiometry in deep and shallow regions of Lake Champlain. <i>Biogeochemistry</i> , 2017, 133, 201-217.	1.7	44

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19	Habitat use by fishes of Lake Superior. I. Diel patterns of habitat use in nearshore and offshore waters of the Apostle Islands region. <i>Aquatic Ecosystem Health and Management</i> , 2012, 15, 333-354.	0.3	43
20	Refinement and calibration of a bioenergetics-based foraging model for kokanee (<i>Oncorhynchus tshawytscha</i>). <i>Overlook</i> , 2010, 10, 50-57.	0.7	40
21	Field evaluation of a bioenergetics-based foraging model for kokanee (<i>Oncorhynchus nerka</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 140-151.	0.7	40
22	Does the value of newly accessible spawning habitat for walleye (<i>Stizostedion vitreum</i>) depend on its location relative to nursery habitats?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2003, 60, 1527-1538.	0.7	40
23	Effects of housing density and cage floor space on C57BL/6J mice. <i>Comparative Medicine</i> , 2004, 54, 656-663.	0.4	40
24	Habitat coupling in a large lake system: delivery of an energy subsidy by an offshore planktivore to the nearshore zone of Lake Superior. <i>Freshwater Biology</i> , 2014, 59, 1197-1212.	1.2	37
25	Linking fish population dynamics to habitat conditions: insights from the application of a process-oriented approach to several Great Lakes species. <i>Reviews in Fish Biology and Fisheries</i> , 2009, 19, 295-312.	2.4	34
26	Tracking Trophic Interactions in Coldwater Reservoirs Using Naturally Occurring Stable Isotopes. <i>Transactions of the American Fisheries Society</i> , 2002, 131, 1-13.	0.6	33
27	Factors Affecting Bottom Trawl Catches: Implications for Monitoring the Fishes of Lake Superior. <i>North American Journal of Fisheries Management</i> , 2008, 28, 109-122.	0.5	33
28	Reassessment of the Predatory Effects of Rainbow Smelt on Ciscoes in Lake Superior. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 1352-1368.	0.6	32
29	Prey selection by the Lake Superior fish community. <i>Journal of Great Lakes Research</i> , 2012, 38, 326-335.	0.8	32
30	A new look at the Lake Superior biomass size spectrum. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 1324-1333.	0.7	32
31	Vertical Distribution of Fish Biomass in Lake Superior: Implications for Day Bottom Trawl Surveys. <i>North American Journal of Fisheries Management</i> , 2007, 27, 735-749.	0.5	29
32	Euthanasia of neonatal mice with carbon dioxide. <i>Comparative Medicine</i> , 2005, 55, 275-81.	0.4	29
33	Reduced Phytoplankton and Zooplankton Diversity Associated with Increased Cyanobacteria in Lake Champlain, USA. <i>Journal of Contemporary Water Research and Education</i> , 2017, 160, 100-118.	0.7	27
34	Phytoplankton and cyanobacteria abundances in mid-21st century lakes depend strongly on future land use and climate projections. <i>Global Change Biology</i> , 2021, 27, 6409-6422.	4.2	27
35	Evaluation of Methods to Estimate Lake Herring Spawner Abundance in Lake Superior. <i>Transactions of the American Fisheries Society</i> , 2006, 135, 680-694.	0.6	26
36	Winter weather and lake watershed physical configuration drive phosphorus, iron, and manganese dynamics in water and sediment of ice-covered lakes. <i>Limnology and Oceanography</i> , 2017, 62, 1620-1635.	1.6	26

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37	Comparison of FlowCAM and microscope biovolume measurements for a diverse freshwater phytoplankton community. <i>Journal of Plankton Research</i> , 2019, 41, 849-864.	0.8	24
38	Habitat use by fishes of Lake Superior. II. Consequences of diel habitat use for habitat linkages and habitat coupling in nearshore and offshore waters. <i>Aquatic Ecosystem Health and Management</i> , 2012, 15, 355-368.	0.3	23
39	Reducing exposure to laboratory animal allergens. <i>Comparative Medicine</i> , 2003, 53, 487-92.	0.4	23
40	Earlier winter/spring runoff and snowmelt during warmer winters lead to lower summer chlorophyll <i>a</i> in north temperate lakes. <i>Global Change Biology</i> , 2021, 27, 4615-4629.	4.2	22
41	Under-ice mesocosms reveal the primacy of light but the importance of zooplankton in winter phytoplankton dynamics. <i>Limnology and Oceanography</i> , 2021, 66, 481-495.	1.6	21
42	Lake trout (<i>Salvelinus namaycush</i>) spawning site use in Lake Champlain. <i>Journal of Great Lakes Research</i> , 2017, 43, 345-351.	0.8	18
43	Partial diel vertical migration in an omnivorous macroinvertebrate, <i>Mysis diluviana</i> . <i>Hydrobiologia</i> , 2017, 787, 387-396.	1.0	18
44	Should we be sampling zooplankton at night?. <i>Limnology and Oceanography Letters</i> , 2020, 5, 313-321.	1.6	16
45	Kokanee Foraging: ADaphnia in the Stomachs Worth Two in the Lake. <i>Transactions of the American Fisheries Society</i> , 1999, 128, 169-174.	0.6	14
46	Application of Morphometric Analysis to Identify Alewife Stock Structure in the Gulf of Maine. <i>Marine and Coastal Fisheries</i> , 2013, 5, 11-20.	0.6	14
47	Migration model of post-smolt Atlantic salmon (<i>Salmo salar</i>) in the Gulf of Maine. <i>Fisheries Oceanography</i> , 2014, 23, 172-189.	0.9	13
48	Are the Laurentian Great Lakes great enough for Hjort?. <i>ICES Journal of Marine Science</i> , 2014, 71, 2242-2251.	1.2	13
49	Ten-fold decline in <i>Mysis diluviana</i> in Lake Champlain between 1975 and 2012. <i>Journal of Great Lakes Research</i> , 2015, 41, 502-509.	0.8	13
50	Hydroacoustic Estimation of Zooplankton Biomass at Two Shoal Complexes in the Apostle Islands Region of Lake Superior. <i>Journal of Great Lakes Research</i> , 2006, 32, 680.	0.8	12
51	Challenges to Lake Superior's condition, assessment, and management: A few observations across a generation of change. <i>Aquatic Ecosystem Health and Management</i> , 2011, 14, 332-344.	0.3	12
52	Impact of Fishing and Stocking Practices on Coregonid Diversity. <i>Food and Nutrition Sciences (Print)</i> , 2015, 06, 1045-1055.	0.2	12
53	Evidence for a size-structured explanation of partial diel vertical migration in mysids. <i>Journal of Plankton Research</i> , 2018, 40, 66-76.	0.8	11
54	Influence of warming temperatures on coregonine embryogenesis within and among species. <i>Hydrobiologia</i> , 2021, 848, 4363-4385.	1.0	11

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55	Spatial Structure and the Estimation of Zooplankton Biomass in Lake Erie. <i>Journal of Great Lakes Research</i> , 2002, 28, 362-378.	0.8	10
56	Calanoid copepod zooplankton density is positively associated with water residence time across the continental United States. <i>PLoS ONE</i> , 2019, 14, e0209567.	1.1	10
57	Benthic habitat is an integral part of freshwater <i>Mysis</i> ecology. <i>Freshwater Biology</i> , 2020, 65, 1997-2009.	1.2	10
58	The extent and variability of storm-induced temperature changes in lakes measured with long-term and high-frequency data. <i>Limnology and Oceanography</i> , 2021, 66, 1979-1992.	1.6	10
59	Virtual Growing Pains: Initial Lessons Learned from Organizing Virtual Workshops, Summits, Conferences, and Networking Events during a Global Pandemic. <i>Limnology and Oceanography Bulletin</i> , 2021, 30, 1-11.	0.2	9
60	Ice cover and thaw events influence nitrogen partitioning and concentration in two shallow eutrophic lakes. <i>Biogeochemistry</i> , 2022, 157, 15-29.	1.7	9
61	Evaluating Sampling Strategies for Larval Cisco (<i>Coregonus artedii</i>). <i>Journal of Great Lakes Research</i> , 2008, 34, 245-252.	0.8	8
62	On the use of omnidirectional sonars and downwards-looking echosounders to assess pelagic fish distributions during and after midwater trawling. <i>ICES Journal of Marine Science</i> , 2013, 70, 196-203.	1.2	8
63	Larval <i>Coregonus</i> spp. diets and zooplankton community patterns in the Apostle Islands, Lake Superior. <i>Journal of Great Lakes Research</i> , 2020, 46, 1391-1401.	0.8	8
64	Contributions of winter foraging to the annual growth of thermally dissimilar fish species. <i>Hydrobiologia</i> , 2020, 847, 4325-4341.	1.0	8
65	Lake Champlain offshore benthic invertebrate community before and after zebra mussel invasion. <i>Journal of Great Lakes Research</i> , 2018, 44, 283-288.	0.8	7
66	Winter severity shapes spring plankton succession in a small, eutrophic lake. <i>Hydrobiologia</i> , 2022, 849, 2127-2144.	1.0	7
67	Walleye Foraging Ecology in an Interconnected Chain of Lakes Influenced by Nonnative Species. <i>Transactions of the American Fisheries Society</i> , 2016, 145, 319-333.	0.6	6
68	An underwater video system to assess abundance and behavior of epibenthic <i>Mysis</i> . <i>Limnology and Oceanography: Methods</i> , 2018, 16, 868-880.	1.0	6
69	Diel feeding behavior in a partially migrant <i>Mysis</i> population: A benthic-pelagic comparison. <i>Food Webs</i> , 2019, 20, e00117.	0.5	6
70	Genomics reveals identity, phenology and population demographics of larval ciscoes (<i>Coregonus</i>). <i>Journal of Great Lakes Research</i> , 2021, 47, 1849-1857.	0.8	6
71	Changes in Gill Raker Morphology for Three Age Classes of Kokanee. <i>Journal of Freshwater Ecology</i> , 2001, 16, 67-72.	0.5	5
72	Differential lipid dynamics in stocked and wild juvenile lake trout. <i>Journal of Great Lakes Research</i> , 2020, 46, 376-381.	0.8	5

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73	Alteration of essential fatty acids in secondary consumers across a gradient of cyanobacteria. <i>Hydrobiologia</i> , 2017, 784, 155-170.	1.0	4
74	Rainbow smelt population responses to species invasions and change in environmental condition. <i>Journal of Great Lakes Research</i> , 2021, 47, 1171-1181.	0.8	3
75	Shining a light on Laurentian Great Lakes cisco (<i>Coregonus artedii</i>): How ice coverage may impact embryonic development†. <i>Journal of Great Lakes Research</i> , 2021, 47, 1410-1418.	0.8	3
76	The freshwater mysid <i>Mysis diluviana</i> (Audzijonyte & Vainã, 2005) (Mysida: Mysidae) consumes detritus in the presence of <i>Daphnia</i> (Cladocera: Daphniidae). <i>Journal of Crustacean Biology</i> , 2020, 40, 520-525.	0.3	2
77	A day in the life of winter plankton: under-ice community dynamics during 24h in a eutrophic lake. <i>Journal of Plankton Research</i> , 0, , .	0.8	2
78	Effects of warming winter embryo incubation temperatures on larval cisco (<i>Coregonus artedii</i>) survival, growth, and critical thermal maximum. <i>Journal of Great Lakes Research</i> , 2022, 48, 1042-1049.	0.8	1
79	Effects of gut content on $\delta^{15}\text{N}$, $\delta^{13}\text{C}$ and C:N of the macroinvertebrate <i>Mysis diluviana</i> . <i>Journal of Great Lakes Research</i> , 2015, 41, 926-929.	0.8	0