

Scott Higgins

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,564
citations

218381

26
h-index

233125

45
g-index

49
all docs

49
docs citations

49
times ranked

4286
citing authors

#	ARTICLE	IF	CITATIONS
1	Need for harmonized long-term multi-lake monitoring of African Great Lakes. <i>Journal of Great Lakes Research</i> , 2023, 49, 101988.	0.8	16
2	Warming combined with experimental eutrophication intensifies lake phytoplankton blooms. <i>Limnology and Oceanography</i> , 2022, 67, 147-158.	1.6	25
3	Spring coherence in dissolved organic carbon export dominates total coherence in Boreal Shield forested catchments. <i>Environmental Research Letters</i> , 2022, 17, 014048.	2.2	7
4	Global Patterns and Controls of Nutrient Immobilization on Decomposing Cellulose in Riverine Ecosystems. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	12
5	Dissolved organic carbon affects the occurrence of deep chlorophyll peaks and zooplankton resource use and biomass. <i>Freshwater Biology</i> , 2022, 67, 1357-1369.	1.2	4
6	The Role of Climate and Lake Size in Regulating the Ice Phenology of Boreal Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005898.	1.3	12
7	Phosphorus-only fertilization rapidly initiates large nitrogen-fixing cyanobacteria blooms in two oligotrophic lakes. <i>Environmental Research Letters</i> , 2021, 16, 064078.	2.2	19
8	Climate change drives widespread shifts in lake thermal habitat. <i>Nature Climate Change</i> , 2021, 11, 521-529.	8.1	87
9	Blue Waters, Green Bottoms: Benthic Filamentous Algal Blooms Are an Emerging Threat to Clear Lakes Worldwide. <i>BioScience</i> , 2021, 71, 1011-1027.	2.2	42
10	Hydrological and catchment controls on event-scale dissolved organic carbon dynamics in boreal headwater streams. <i>Hydrological Processes</i> , 2021, 35, e14279.	1.1	14
11	Global data set of long-term summertime vertical temperature profiles in 153 lakes. <i>Scientific Data</i> , 2021, 8, 200.	2.4	7
12	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
13	Deeper waters are changing less consistently than surface waters in a global analysis of 102 lakes. <i>Scientific Reports</i> , 2020, 10, 20514.	1.6	56
14	Integrating Perspectives to Understand Lake Ice Dynamics in a Changing World. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005799.	1.3	48
15	Dissolved organic carbon in eastern Canadian lakes: Novel patterns and relationships with regional and global factors. <i>Science of the Total Environment</i> , 2020, 726, 138400.	3.9	22
16	Long-Term Responses of Nutrient Budgets to Concurrent Climate-Related Stressors in a Boreal Watershed. <i>Ecosystems</i> , 2019, 22, 363-378.	1.6	15
17	Multidecadal carbon sequestration in a headwater boreal lake. <i>Limnology and Oceanography</i> , 2019, 64, S150.	1.6	13
18	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. <i>Science Advances</i> , 2019, 5, eaav0486.	4.7	133

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19	Muted responses to Ag accumulation by plankton to chronic and pulse exposure to silver nanoparticles in a boreal lake. <i>Facets</i> , 2019, 4, 566-583.	1.1	2
20	Biological Nitrogen Fixation Prevents the Response of a Eutrophic Lake to Reduced Loading of Nitrogen: Evidence from a 46-Year Whole-Lake Experiment. <i>Ecosystems</i> , 2018, 21, 1088-1100.	1.6	52
21	Historical Trends, Drivers, and Future Projections of Ice Phenology in Small North Temperate Lakes in the Laurentian Great Lakes Region. <i>Water (Switzerland)</i> , 2018, 10, 70.	1.2	51
22	Ecology under lake ice. <i>Ecology Letters</i> , 2017, 20, 98-111.	3.0	320
23	Hydro-climatic forcing of dissolved organic carbon in two boreal lakes of Canada. <i>Science of the Total Environment</i> , 2016, 571, 50-58.	3.9	10
24	A predictive model for water clarity following dreissenid invasion. <i>Biological Invasions</i> , 2016, 18, 1989-2006.	1.2	15
25	Rapid and highly variable warming of lake surface waters around the globe. <i>Geophysical Research Letters</i> , 2015, 42, 10,773.	1.5	767
26	A global database of lake surface temperatures collected by in situ and satellite methods from 1985-2009. <i>Scientific Data</i> , 2015, 2, 150008.	2.4	153
27	Harmful Algal Blooms. , 2015, , 873-920.		62
28	Potential for large-bodied zooplankton and dreissenids to alter the productivity and autotrophic structure of lakes. <i>Ecology</i> , 2014, 95, 2257-2267.	1.5	28
29	Benthic and planktonic primary production along a nutrient gradient in Green Bay, Lake Michigan, USA. <i>Freshwater Science</i> , 2014, 33, 487-498.	0.9	36
30	Urban influences on <i>Cladophora</i> blooms in Lake Ontario. <i>Journal of Great Lakes Research</i> , 2012, 38, 116-123.	0.8	60
31	Nested 3D modeling of the spatial dynamics of nutrients and phytoplankton in a Lake Ontario nearshore zone. <i>Journal of Great Lakes Research</i> , 2012, 38, 171-183.	0.8	37
32	The effect of dreissenid invasions on chlorophyll and the chlorophyll:total phosphorus ratio in north-temperate lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 319-329.	0.7	42
33	Application of a 3D hydrodynamic-biological model for seasonal and spatial dynamics of water quality and phytoplankton in Lake Erie. <i>Journal of Great Lakes Research</i> , 2011, 37, 41-53.	0.8	94
34	Invasive species early detection and eradication: A response to Horns (2011). <i>Journal of Great Lakes Research</i> , 2011, 37, 595-596.	0.8	2
35	What a difference a species makes: a meta-analysis of dreissenid mussel impacts on freshwater ecosystems. <i>Ecological Monographs</i> , 2010, 80, 179-196.	2.4	422
36	A pound of prevention, plus a pound of cure: Early detection and eradication of invasive species in the Laurentian Great Lakes. <i>Journal of Great Lakes Research</i> , 2010, 36, 199-205.	0.8	161

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37	Great Lakes Cladophora in the 21st century: same algae€” different ecosystem. <i>Journal of Great Lakes Research</i> , 2010, 36, 248-255.	0.8	130
38	Primary Production and Carbon Dioxide Metabolic Balance of a Lake-Rich Arctic River Floodplain: Partitioning of Phytoplankton, Epipelon, Macrophyte, and Epiphyton Production Among Lakes on the Mackenzie Delta. <i>Ecosystems</i> , 2009, 12, 853-872.	1.6	53
39	AN ECOLOGICAL REVIEW OF <i>CLADOPHORA GLOMERATA</i> (CHLOROPHYTA) IN THE LAURENTIAN GREAT LAKES ¹ . <i>Journal of Phycology</i> , 2008, 44, 839-854.	1.0	205
40	The collapse of benthic macroalgal blooms in response to self-shading. <i>Freshwater Biology</i> , 2008, 53, 2557-2572.	1.2	34
41	Environmental Controls of Cladophora Growth Dynamics in Eastern Lake Erie: Application of the Cladophora Growth Model (CGM). <i>Journal of Great Lakes Research</i> , 2006, 32, 629-644.	0.8	52
42	Modeling the Growth, Biomass, and Tissue Phosphorus Concentration of <i>Cladophora glomerata</i> in Eastern Lake Erie: Model Description and Field Testing. <i>Journal of Great Lakes Research</i> , 2005, 31, 439-455.	0.8	38
43	The Wall of Green: The Status of <i>Cladophora glomerata</i> on the Northern Shores of Lake Erie's Eastern Basin, 1995-2002. <i>Journal of Great Lakes Research</i> , 2005, 31, 547-563.	0.8	91
44	Planktonic Primary Production in the Offshore Waters of Dreissenid-infested Lake Erie in 1997. <i>Journal of Great Lakes Research</i> , 2005, 31, 50-62.	0.8	28
45	The Community Composition, Distribution, and Nutrient Status of Epilithic Periphyton at Five Rocky Littoral Zone Sites in Lake Malawi, Africa. <i>Journal of Great Lakes Research</i> , 2003, 29, 181-189.	0.8	17
46	Epilithic nitrogen fixation in the rocky littoral zones of Lake Malawi, Africa. <i>Limnology and Oceanography</i> , 2001, 46, 976-982.	1.6	26
47	Low sediment redox promotes cyanobacteria blooms across a trophic range: implications for management. <i>Lake and Reservoir Management</i> , 0, , 1-33.	0.4	17