

# Doran M Mason

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

3,367  
citations

185998

28  
h-index

149479

56  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compartments revealed in food-web structure. <i>Nature</i> , 2003, 426, 282-285.	13.7	614
2	Assessing and addressing the re-eutrophication of Lake Erie: Central basin hypoxia. <i>Journal of Great Lakes Research</i> , 2014, 40, 226-246.	0.8	421
3	Space, time, and scale: new perspectives in fish ecology and management. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 1-3.	0.7	155
4	Risk Analysis and Bioeconomics of Invasive Species to Inform Policy and Management. <i>Annual Review of Environment and Resources</i> , 2016, 41, 453-488.	5.6	149
5	Spatially-explicit Models of Fish Growth Rate. <i>Fisheries</i> , 1992, 17, 23-35.	0.6	132
6	Hypoxia-avoidance by planktivorous fish in Chesapeake Bay: Implications for food web interactions and fish recruitment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 381, S121-S131.	0.7	125
7	Acoustic Measures of the Abundance and Size of Pelagic Planktivores in Lake Michigan. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991, 48, 894-908.	0.7	109
8	Sustainability of the Lake Superior Fish Community: Interactions in a Food Web Context. <i>Ecosystems</i> , 2000, 3, 545-560.	1.6	107
9	Hypoxia-driven changes in the behavior and spatial distribution of pelagic fish and mesozooplankton in the northern Gulf of Mexico. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 381, S80-S91.	0.7	97
10	Density-Dependent Habitat Selection And Performance By A Large Mobile Reef Fish. , 2006, 16, 731-746.		80
11	Recruitment Variability of Alewives in Lake Michigan. <i>Transactions of the American Fisheries Society</i> , 2005, 134, 218-230.	0.6	79
12	Biophysical Model of Larval Yellow Perch Advection and Settlement in Lake Michigan. <i>Journal of Great Lakes Research</i> , 2007, 33, 842-866.	0.8	78
13	Effects of Habitat Destruction and Resource Supplementation in a Predator-Prey Metapopulation Model. <i>Journal of Theoretical Biology</i> , 2001, 210, 287-303.	0.8	75
14	Classifying and Forecasting Coastal Upwellings in Lake Michigan Using Satellite Derived Temperature Images and Buoy Data. <i>Journal of Great Lakes Research</i> , 2006, 32, 63-76.	0.8	72
15	A synthesis of the life history and ecology of juvenile Pacific herring in Prince William Sound, Alaska. <i>Fisheries Oceanography</i> , 2001, 10, 42-57.	0.9	67
16	Forecasting the Impacts of Silver and Bighead Carp on the Lake Erie Food Web. <i>Transactions of the American Fisheries Society</i> , 2016, 145, 136-162.	0.6	60
17	Use of structured expert judgment to forecast invasions by bighead and silver carp in Lake Erie. <i>Conservation Biology</i> , 2015, 29, 187-197.	2.4	59
18	Invasive species impacts on ecosystem structure and function: A comparison of Oneida Lake, New York, USA, before and after zebra mussel invasion. <i>Ecological Modelling</i> , 2009, 220, 3194-3209.	1.2	56

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19	Effect of hypoxia on habitat quality of striped bass ( <i>Morone saxatilis</i> ) in Chesapeake Bay. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 989-1002.	0.7	51
20	A spatially explicit bioenergetics measure of habitat quality for adult salmonines: Comparison between Lakes Michigan and Ontario. Canadian Journal of Fisheries and Aquatic Sciences, 1995, 52, 1572-1583.	0.7	49
21	Does hypoxia reduce habitat quality for Lake Erie walleye ( <i>Sander vitreus</i> )? A bioenergetics perspective. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 857-879.	0.7	47
22	Hatch Dates, Growth, Survival, and Overwinter Mortality of Age-0 Alewives in Lake Michigan: Implications for Habitat-Specific Recruitment Success. Transactions of the American Fisheries Society, 2007, 136, 1298-1312.	0.6	44
23	Alewife planktivory controls the abundance of two invasive predatory cladocerans in Lake Michigan. Freshwater Biology, 2007, 52, 561-573.	1.2	43
24	Invasive species impacts on ecosystem structure and function: A comparison of the Bay of Quinte, Canada, and Oneida Lake, USA, before and after zebra mussel invasion. Ecological Modelling, 2009, 220, 3182-3193.	1.2	36
25	A Model for the Space-Time Dependence of Feeding for Pelagic Fish Populations. Transactions of the American Fisheries Society, 1993, 122, 884-901.	0.6	35
26	Short-term Water Mass Movements in Lake Michigan: Implications for Larval Fish Transport. Journal of Great Lakes Research, 2006, 32, 728.	0.8	35
27	High-turbidity events in Western Lake Erie during ice-free cycles: Contributions of river-loaded vs. resuspended sediments. Limnology and Oceanography, 2018, 63, 2545-2562.	1.6	34
28	Reliability of Bioelectrical Impedance Analysis for Estimating Whole-Fish Energy Density and Percent Lipids. Transactions of the American Fisheries Society, 2008, 137, 1519-1529.	0.6	31
29	Investigation of interbasin exchange and interannual variability in Lake Erie using an unstructured-grid hydrodynamic model. Journal of Geophysical Research: Oceans, 2015, 120, 2212-2232.	1.0	31
30	Biophysical modeling assessment of the drivers for plankton dynamics in dreissenid-colonized western Lake Erie. Ecological Modelling, 2015, 308, 18-33.	1.2	31
31	Spatial Patterns in Assemblage Structures of Pelagic Forage Fish and Zooplankton in Western Lake Superior. Journal of Great Lakes Research, 2004, 30, 395-406.	0.8	27
32	Out-of-sample validation for structured expert judgment of Asian carp establishment in Lake Erie. Integrated Environmental Assessment and Management, 2014, 10, 522-528.	1.6	26
33	Estimation of Invertebrate Production from Patterns of Fish Predation in Western Lake Superior. Transactions of the American Fisheries Society, 1998, 127, 496-506.	0.6	25
34	Effect of nutrient loading on Atlantic menhaden ( <i>Brevoortia tyrannus</i> ) growth rate potential in the Patuxent River. Estuaries and Coasts, 2003, 26, 298-309.	1.7	25
35	Annual variation in habitat-specific recruitment success: implications from an individual-based model of Lake Michigan alewife ( <i>Alosa pseudoharengus</i> ). Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 1402-1412.	0.7	22
36	Spatial and predatory interactions of visually preying nonindigenous zooplankton and fish in Lake Michigan during midsummer. Journal of Great Lakes Research, 2015, 41, 125-142.	0.8	21

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37	Predicting the effects of freshwater diversions on juvenile brown shrimp growth and production: a Bayesian-based approach. <i>Marine Ecology - Progress Series</i> , 2012, 444, 155-173.	0.9	21
38	Modeling potential impacts of three benthic invasive species on the Lake Erie food web. <i>Biological Invasions</i> , 2019, 21, 1697-1719.	1.2	20
39	Effects of hypoxia on habitat quality of pelagic planktivorous fishes in the northern Gulf of Mexico. <i>Marine Ecology - Progress Series</i> , 2014, 505, 209-226.	0.9	20
40	Diet, Feeding Rate, Growth, Mortality, and Production of Juvenile Steelhead in a Lake Michigan Tributary. <i>North American Journal of Fisheries Management</i> , 2007, 27, 578-592.	0.5	19
41	What does resilience sound like? Coral reef and dry forest acoustic communities respond differently to Hurricane Maria. <i>Ecological Indicators</i> , 2021, 126, 107635.	2.6	16
42	Spatially explicit measures of production of young alewives in Lake Michigan: Linkage between essential fish habitat and recruitment. <i>Estuaries and Coasts</i> , 2003, 26, 21-29.	1.7	11
43	Lake Michigan's suitability for bigheaded carp: The importance of diet flexibility and subsurface habitat. <i>Freshwater Biology</i> , 2019, 64, 1921-1939.	1.2	11
44	Potential establishment and ecological effects of bighead and silver carp in a productive embayment of the Laurentian Great Lakes. <i>Biological Invasions</i> , 2020, 22, 2473-2495.	1.2	11
45	Adaptations in a hierarchical food web of southeastern Lake Michigan. <i>Ecological Modelling</i> , 2009, 220, 3147-3162.	1.2	9
46	Landscape Scale Measures of Steelhead ( <i>Oncorhynchus mykiss</i> ) Bioenergetic Growth Rate Potential in Lake Michigan and Comparison with Angler Catch Rates. <i>Journal of Great Lakes Research</i> , 2004, 30, 545-556.	0.8	8
47	Potential Effects of Bigheaded Carps on Four Laurentian Great Lakes Food Webs. <i>North American Journal of Fisheries Management</i> , 2021, 41, 999-1019.	0.5	8
48	Fish Diet Shifts Associated with the Northern Gulf of Mexico Hypoxic Zone. <i>Estuaries and Coasts</i> , 2019, 42, 2170-2183.	1.0	7
49	Modeling the Influence of Parr Predation by Walleyes and Brown Trout on the Long-Term Population Dynamics of Chinook Salmon in Lake Michigan: A Stage Matrix Approach. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 1101-1113.	0.6	5
50	Modeling the interactive effects of nutrient loads, meteorology, and invasive mussels on suitable habitat for Bighead and Silver Carp in Lake Michigan. <i>Biological Invasions</i> , 2020, 22, 2763-2785.	1.2	5
51	Reviewing uncertainty in bioenergetics and food web models to project invasion impacts: Four major Chinese carps in the Great Lakes. <i>Journal of Great Lakes Research</i> , 2021, 47, 83-95.	0.8	5
52	Effect of Hypoxia on Diet of Atlantic Bumpers in the Northern Gulf of Mexico. <i>Transactions of the American Fisheries Society</i> , 2018, 147, 740-748.	0.6	4
53	Size spectra analysis of a decade of Laurentian Great Lakes data. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2022, 79, 183-194.	0.7	4
54	Space and Species Interactions in Welfare Estimates for Invasive Species Policy. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	4

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55	The consequences of misrepresenting feedbacks in coupled human and environmental models. <i>Ecological Economics</i> , 2022, 195, 107355.	2.9	4
56	Towards more robust hydroacoustic estimates of fish abundance in the presence of pelagic macroinvertebrates. <i>Fisheries Research</i> , 2020, 230, 105667.	0.9	3
57	Foraging ecology of walleye and brown trout in a Great Lakes tributary. <i>Journal of Great Lakes Research</i> , 2016, 42, 108-115.	0.8	1