

# Marten A Koops

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

1,532  
citations

361413

20  
h-index

345221

36  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the effects of variation in growth, recruitment, and harvest on lake sturgeon population viability and recovery. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2022, 32, 239-257.	2.0	5
2	Thirteen novel ideas and underutilised resources to support progress towards a range-wide American eel stock assessment. <i>Fisheries Management and Ecology</i> , 2022, 29, 516-541.	2.0	8
3	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.	1.9	5
4	The consequences of null model selection for predicting mortality from multiple stressors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203126.	2.6	7
5	Research priorities for the management of freshwater fish habitat in Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1744-1754.	1.4	6
6	Consequences of changing water clarity on the fish and fisheries of the Laurentian Great Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1524-1542.	1.4	18
7	The translocation trade-off for eastern sand darter ( <i>Ammocrypta pellucida</i> ): balancing harm to source populations with the goal of re-establishment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1321-1331.	1.4	5
8	Approaches and research needs for advancing the protection and recovery of imperilled freshwater fishes and mussels in Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1356-1370.	1.4	9
9	Data-limited models to predict river temperatures for aquatic species at risk. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1268-1277.	1.4	6
10	Fifteen years of Canada's Species at Risk Act: Evaluating research progress for aquatic species in the Great Lakes' St. Lawrence River basin. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1205-1218.	1.4	5
11	Compliance with and ecosystem function of biodiversity offsets in North American and European freshwaters. <i>Conservation Biology</i> , 2020, 34, 41-53.	4.7	24
12	A review and meta-analysis of collaborative research prioritization studies in ecology, biodiversity conservation and environmental science. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200012.	2.6	16
13	Nutrient management and structural shifts in fish assemblages: Lessons learned from an Area of Concern in Lake Ontario. <i>Freshwater Biology</i> , 2019, 64, 967-983.	2.4	8
14	Alternative reproductive tactics, an overlooked source of life history variation in the invasive round goby. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019, 76, 1562-1570.	1.4	9
15	Population viability and perturbation analyses to support recovery of imperilled Eastern Sand Darter ( <i>Ammocrypta pellucida</i> ). <i>Ecology of Freshwater Fish</i> , 2018, 27, 378-388.	1.4	5
16	Diet and foraging of Round Goby ( <i>Neogobius melanostomus</i> ) in a contaminated harbour. <i>Aquatic Ecosystem Health and Management</i> , 2017, 20, 252-264.	0.6	4
17	Bioenergetics modelling of grass carp: Estimated individual consumption and population impacts in Great Lakes wetlands. <i>Journal of Great Lakes Research</i> , 2017, 43, 308-318.	1.9	20
18	Uncertainty assessment of trophic flows in Hamilton Harbour: A linear inverse modelling analysis. <i>Aquatic Ecosystem Health and Management</i> , 2017, 20, 265-277.	0.6	1

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19	Modelling the impact of poaching on metapopulation viability for data-limited species. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 894-906.	1.4	5
20	Lake whitefish ( <i>Coregonus clupeaformis</i> ) energy and nutrient partitioning in lakes Michigan, Erie and Superior. Journal of Great Lakes Research, 2017, 43, 144-154.	1.9	3
21	Research needs to better understand Lake Ontario ecosystem function: A workshop summary. Journal of Great Lakes Research, 2016, 42, 1-5.	1.9	12
22	Using Scenarios to Assess Possible Future Impacts of Invasive Species in the Laurentian Great Lakes. North American Journal of Fisheries Management, 2016, 36, 1292-1307.	1.0	15
23	Delineation of the role of nutrient variability and dreissenids (Mollusca, Bivalvia) on phytoplankton dynamics in the Bay of Quinte, Ontario, Canada. Harmful Algae, 2016, 55, 121-136.	4.8	27
24	Are small fishes more sensitive to habitat loss? A generic size-based model. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 716-726.	1.4	12
25	The Science Framework for Implementing the Fisheries Protection Provisions of Canada's Fisheries Act. Fisheries, 2015, 40, 268-275.	0.8	20
26	Propagule pressure in the presence of uncertainty: extending the utility of proxy variables with hierarchical models. Methods in Ecology and Evolution, 2015, 6, 1363-1371.	5.2	18
27	The Lake Ontario ecosystem: An overview of current status and future directions. Aquatic Ecosystem Health and Management, 2015, 18, 101-104.	0.6	5
28	Landmarking and strong Allee thresholds. Theoretical Ecology, 2015, 8, 333-347.	1.0	2
29	Lake Ontario water quality during the 2003 and 2008 intensive field years and comparison with long-term trends. Aquatic Ecosystem Health and Management, 2015, 18, 7-17.	0.6	13
30	Reproductive life-history strategies in lake whitefish ( <i>Coregonus clupeaformis</i> ) from the Laurentian Great Lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 1256-1269.	1.4	27
31	Linking the land and the lake: a fish habitat classification for the nearshore zone of Lake Ontario. Freshwater Science, 2014, 33, 1159-1173.	1.8	8
32	Could an Asian carp population establish in the Great Lakes from a small introduction?. Biological Invasions, 2014, 16, 903-917.	2.4	50
33	Persistence of an invasive fish ( <i>Neogobius melanostomus</i> ) in a contaminated ecosystem. Biological Invasions, 2014, 16, 2449-2461.	2.4	25
34	Unintended consequences and trade-offs of fish passage. Fish and Fisheries, 2013, 14, 580-604.	5.3	181
35	Spatial variability in trophic offset and food sources of <i>Hemimysis anomala</i> in lentic and lotic ecosystems within the Great Lakes basin. Journal of Plankton Research, 2013, 35, 772-784.	1.8	10
36	How to Manage Data to Enhance Their Potential for Synthesis, Preservation, Sharing, and Reuse? A Great Lakes Case Study. Fisheries, 2013, 38, 52-64.	0.8	21

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37	Biological traits of eastern sand darter ( <i>Ammocrypta pellucida</i> ) in the lower Thames River, Canada, with comparisons to a more southern population. <i>Ecology of Freshwater Fish</i> , 2013, 22, 234-245.	1.4	11
38	An integrated approach to identifying ecosystem recovery targets: Application to the Bay of Quinte. <i>Aquatic Ecosystem Health and Management</i> , 2012, 15, 464-472.	0.6	9
39	Evaluation of carbon pathways supporting the diet of invasive <i>Hemimysis anomala</i> in a large river. <i>Journal of Great Lakes Research</i> , 2012, 38, 45-51.	1.9	10
40	Capacity for increase, compensatory reserves, and catastrophes as determinants of minimum viable population in freshwater fishes. <i>Ecological Modelling</i> , 2012, 247, 319-326.	2.5	15
41	Towards the development of an ecosystem model for the Hamilton Harbour, Ontario, Canada. <i>Journal of Great Lakes Research</i> , 2012, 38, 628-642.	1.9	12
42	Behavior as biomarker? Laboratory versus field movement in round goby ( <i>Neogobius melanostomus</i> ) from highly contaminated habitats. <i>Ecotoxicology</i> , 2012, 21, 1003-1012.	2.4	21
43	Assessing the utility of C:N ratios for predicting lipid content in fishes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 374-385.	1.4	83
44	Polymethylene-interrupted fatty acids: Biomarkers for native and exotic mussels in the Laurentian Great Lakes. <i>Journal of Great Lakes Research</i> , 2011, 37, 289-297.	1.9	7
45	Laboratory and field evidence of sex-biased movement in the invasive round goby. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 2239-2249.	1.4	43
46	A comparison of approaches for integrated management in coastal marine areas of Canada with the historical approach used in the Great Lakes (Bay of Quinte). <i>Aquatic Ecosystem Health and Management</i> , 2011, 14, 104-113.	0.6	3
47	Long-term ecosystem studies in the Bay of Quinte, Lake Ontario, 1972-2008: A prospectus. <i>Aquatic Ecosystem Health and Management</i> , 2011, 14, 3-8.	0.6	21
48	Invasion dynamics of round goby ( <i>Neogobius melanostomus</i> ) in Hamilton Harbour, Lake Ontario. <i>Biological Invasions</i> , 2010, 12, 3861-3875.	2.4	36
49	Distribution and ecology of <i>Hemimysis anomala</i> , the latest invader of the Great Lakes basin. <i>Hydrobiologia</i> , 2010, 647, 71-80.	2.0	33
50	A synthesis of the ecological processes influencing variation in life history and movement patterns of American eel: towards a global assessment. <i>Reviews in Fish Biology and Fisheries</i> , 2010, 20, 163-186.	4.9	36
51	Does condition of Lake Whitefish spawners affect physiological condition of juveniles?. <i>Journal of Great Lakes Research</i> , 2010, 36, 92-99.	1.9	18
52	Measures of larval lake whitefish length and abundance as early predictors of year-class strength in Lake Michigan. <i>Journal of Great Lakes Research</i> , 2010, 36, 84-91.	1.9	24
53	Assessing the health of lake whitefish populations in the Laurentian Great Lakes: Lessons learned and research recommendations. <i>Journal of Great Lakes Research</i> , 2010, 36, 135-139.	1.9	14
54	Use of aquatic protected areas in the management of large lakes. <i>Aquatic Ecosystem Health and Management</i> , 2010, 13, 135-142.	0.6	11

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55	Estimating establishment probabilities of Cladocera introduced at low density: an evaluation of the proposed ballast water discharge standards. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 261-276.	1.4	18
56	Recovery Potential Assessment for Lake Sturgeon in Canadian Designatable Units. <i>North American Journal of Fisheries Management</i> , 2009, 29, 1065-1090.	1.0	59
57	Quantifying allowable harm in species at risk: application to the Laurentian black redhorse ( <i>Moxostoma duquesnei</i> ). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2009, 19, 676-688.	2.0	13
58	Testing hypotheses about fecundity, body size and maternal condition in fishes. <i>Fish and Fisheries</i> , 2004, 5, 120-130.	5.3	103
59	Reliability and the value of information. <i>Animal Behaviour</i> , 2004, 67, 103-111.	1.9	97
60	Integrating the Roles of Information and Competitive Ability on the Spatial Distribution of Social Foragers. <i>American Naturalist</i> , 2003, 161, 586-600.	2.1	24
61	Redhead reproductive strategy choices: a dynamic state variable model. <i>Behavioral Ecology</i> , 1999, 10, 30-40.	2.2	11
62	Assessing the Ideal Free Distribution: Do Guppies Use Aggression as Public Information about Patch Quality?. <i>Ethology</i> , 1999, 105, 737-746.	1.1	10
63	Life history and the fitness consequences of imperfect information. <i>Evolutionary Ecology</i> , 1998, 12, 601-613.	1.2	39
64	Producer-scrounger foraging games in starlings: a test of rate-maximizing and risk-sensitive models. <i>Animal Behaviour</i> , 1996, 51, 773-783.	1.9	63
65	Weight asymmetry and sequential assessment in convict cichlid contests. <i>Canadian Journal of Zoology</i> , 1993, 71, 475-479.	1.0	68