

# 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	Unintended consequences and trade-offs of fish passage. <i>Fish and Fisheries</i> , 2013, 14, 580-604.	5.3	181
2	Testing hypotheses about fecundity, body size and maternal condition in fishes. <i>Fish and Fisheries</i> , 2004, 5, 120-130.	5.3	103
3	Reliability and the value of information. <i>Animal Behaviour</i> , 2004, 67, 103-111.	1.9	97
4	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
5	Weight asymmetry and sequential assessment in convict cichlid contests. <i>Canadian Journal of Zoology</i> , 1993, 71, 475-479.	1.0	68
6	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
7	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
8	Could an Asian carp population establish in the Great Lakes from a small introduction?. <i>Biological Invasions</i> , 2014, 16, 903-917.	2.4	50
9	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
10	Life history and the fitness consequences of imperfect information. <i>Evolutionary Ecology</i> , 1998, 12, 601-613.	1.2	39
11	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
12	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
13	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
14	Reproductive life-history strategies in lake whitefish ( <i>Coregonus clupeaformis</i> ) from the Laurentian Great Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 1256-1269.	1.4	27
15	Delineation of the role of nutrient variability and dreissenids (Mollusca, Bivalvia) on phytoplankton dynamics in the Bay of Quinte, Ontario, Canada. <i>Harmful Algae</i> , 2016, 55, 121-136.	4.8	27
16	Persistence of an invasive fish ( <i>Neogobius melanostomus</i> ) in a contaminated ecosystem. <i>Biological Invasions</i> , 2014, 16, 2449-2461.	2.4	25
17	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
18	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

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19	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
20	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
21	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
22	How to Manage Data to Enhance Their Potential for Synthesis, Preservation, Sharing, and Reuse—A Great Lakes Case Study. <i>Fisheries</i> , 2013, 38, 52-64.	0.8	21
23	The Science Framework for Implementing the Fisheries Protection Provisions of Canada's Fisheries Act. <i>Fisheries</i> , 2015, 40, 268-275.	0.8	20
24	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
25	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
26	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
27	Propagule pressure in the presence of uncertainty: extending the utility of proxy variables with hierarchical models. <i>Methods in Ecology and Evolution</i> , 2015, 6, 1363-1371.	5.2	18
28	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
29	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
30	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
31	Using Scenarios to Assess Possible Future Impacts of Invasive Species in the Laurentian Great Lakes. <i>North American Journal of Fisheries Management</i> , 2016, 36, 1292-1307.	1.0	15
32	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
33	Quantifying allowable harm in species at risk: application to the Laurentian black redbreast ( <i>Moxostoma duquesnei</i> ). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2009, 19, 676-688.	2.0	13
34	Lake Ontario water quality during the 2003 and 2008 intensive field years and comparison with long-term trends. <i>Aquatic Ecosystem Health and Management</i> , 2015, 18, 7-17.	0.6	13
35	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
36	Research needs to better understand Lake Ontario ecosystem function: A workshop summary. <i>Journal of Great Lakes Research</i> , 2016, 42, 1-5.	1.9	12

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37	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
38	Redhead reproductive strategy choices: a dynamic state variable model. Behavioral Ecology, 1999, 10, 30-40.	2.2	11
39	Use of aquatic protected areas in the management of large lakes. Aquatic Ecosystem Health and Management, 2010, 13, 135-142.	0.6	11
40	Biological traits of eastern sand darter ( <i>Ammocrypta pellucida</i> ) in the lower Thames River, Canada, with comparisons to a more southern population. Ecology of Freshwater Fish, 2013, 22, 234-245.	1.4	11
41	Assessing the Ideal Free Distribution: Do Guppies Use Aggression as Public Information about Patch Quality?. Ethology, 1999, 105, 737-746.	1.1	10
42	Evaluation of carbon pathways supporting the diet of invasive <i>Hemimysis anomala</i> in a large river. Journal of Great Lakes Research, 2012, 38, 45-51.	1.9	10
43	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
44	An integrated approach to identifying ecosystem recovery targets: Application to the Bay of Quinte. Aquatic Ecosystem Health and Management, 2012, 15, 464-472.	0.6	9
45	Alternative reproductive tactics, an overlooked source of life history variation in the invasive round goby. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1562-1570.	1.4	9
46	Approaches and research needs for advancing the protection and recovery of imperilled freshwater fishes and mussels in Canada. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1356-1370.	1.4	9
47	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
48	Nutrient management and structural shifts in fish assemblages: Lessons learned from an Area of Concern in Lake Ontario. Freshwater Biology, 2019, 64, 967-983.	2.4	8
49	Thirteen novel ideas and underutilised resources to support progress towards a range-wide American eel stock assessment. Fisheries Management and Ecology, 2022, 29, 516-541.	2.0	8
50	Polymethylene-interrupted fatty acids: Biomarkers for native and exotic mussels in the Laurentian Great Lakes. Journal of Great Lakes Research, 2011, 37, 289-297.	1.9	7
51	The consequences of null model selection for predicting mortality from multiple stressors. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203126.	2.6	7
52	Research priorities for the management of freshwater fish habitat in Canada. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1744-1754.	1.4	6
53	Data-limited models to predict river temperatures for aquatic species at risk. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1268-1277.	1.4	6
54	The Lake Ontario ecosystem: An overview of current status and future directions. Aquatic Ecosystem Health and Management, 2015, 18, 101-104.	0.6	5

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55	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
56	Population viability and perturbation analyses to support recovery of imperilled Eastern Sand Darter ( <i>Ammocrypta pellucida</i> ). Ecology of Freshwater Fish, 2018, 27, 378-388.	1.4	5
57	Reviewing uncertainty in bioenergetics and food web models to project invasion impacts: Four major Chinese carps in the Great Lakes. Journal of Great Lakes Research, 2021, 47, 83-95.	1.9	5
58	The translocation trade-off for eastern sand darter ( <i>Ammocrypta pellucida</i> ): balancing harm to source populations with the goal of re-establishment. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1321-1331.	1.4	5
59	Fifteen years of Canada's Species at Risk Act: Evaluating research progress for aquatic species in the Great Lakes' St. Lawrence River basin. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1205-1218.	1.4	5
60	Modelling the effects of variation in growth, recruitment, and harvest on lake sturgeon population viability and recovery. Aquatic Conservation: Marine and Freshwater Ecosystems, 2022, 32, 239-257.	2.0	5
61	Diet and foraging of Round Goby ( <i>Neogobius melanostomus</i> ) in a contaminated harbour. Aquatic Ecosystem Health and Management, 2017, 20, 252-264.	0.6	4
62	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). Aquatic Ecosystem Health and Management, 2011, 14, 104-113.	0.6	3
63	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
64	Landmarking and strong Allee thresholds. Theoretical Ecology, 2015, 8, 333-347.	1.0	2
65	Uncertainty assessment of trophic flows in Hamilton Harbour: A linear inverse modelling analysis. Aquatic Ecosystem Health and Management, 2017, 20, 265-277.	0.6	1