Michael J Wilberg

List of Publications by Year
in descending order

68	1,793	331538 21	289141 40
papers	citations	h-index	g-index

69	69	69	1962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Incorporating Time-Varying Catchability into Population Dynamic Stock Assessment Models. Reviews in Fisheries Science, 2009, 18, 7-24.	2.1	194
2	Governing the recreational dimension of global fisheries. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5209-5213.	3.3	171
3	genecap: a program for analysis of multilocus genotype data for non-invasive sampling and capture-recapture population estimation. Molecular Ecology Notes, 2004, 4, 783-785.	1.7	149
4	Overfishing, disease, habitat loss, and potential extirpation of oysters in upper Chesapeake Bay. Marine Ecology - Progress Series, 2011, 436, 131-144.	0.9	128
5	The increasing importance of marine recreational fishing in the US: Challenges for management. Fisheries Research, 2011, 108, 268-276.	0.9	127
6	Performance of time-varying catchability estimators in statistical catch-at-age analysis. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 2275-2285.	0.7	64
7	Applying Structured Decision Making to Recreational Fisheries Management. Fisheries, 2011, 36, 113-122.	0.6	62
8	Yellow Perch Dynamics in Southwestern Lake Michigan during 1986â€“2002. North American Journal of Fisheries Management, 2005, 25, 1130-1152.	0.5	52
9	Performance of deviance information criterion model selection in statistical catch-at-age analysis. Fisheries Research, 2008, 93, 212-221.	0.9	47
10	Evaluating alternative harvest policies for yellow perch in southern Lake Michigan. Fisheries Research, 2008, 94, 267-281.	0.9	44
11	An Evaluation of Harvest Control Rules for Dataâ€Poor Fisheries. North American Journal of Fisheries Management, 2013, 33, 845-860.	0.5	42
12	Forty years of fishing: changes in age structure and stock mixing in northwestern Atlantic bluefin tuna (Thunnus thynnus) associated with size-selective and long-term exploitation. ICES Journal of Marine Science, 2016, 73, 2518-2528.	1.2	39
13	Historic and Modern Abundance of Wild Lean Lake Trout in Michigan Waters of Lake Superior: Implications for Restoration Goals. North American Journal of Fisheries Management, 2003, 23, 100-108.	0.5	38
14	FishSmart: An Innovative Role for Science in Stakeholder-Centered Approaches to Fisheries Management. Fisheries, 2010, 35, 424-433.	0.6	34
15	Comparing the nursery role of inner continental shelf and estuarine habitats for temperate marine fishes. Estuarine, Coastal and Shelf Science, 2012, 99, 61-73.	0.9	34
16	A Framework for Incorporating Species, Fleet, Habitat, and Climate Interactions into Fishery Management. Frontiers in Marine Science, 2016, 3, .	1.2	33
17	Comment on "Impacts of Biodiversity Loss on Ocean Ecosystem Services". Science, 2007, 316, 1285b-1285b.	6.0	30
18	Sustainable exploitation and management of autogenic ecosystem engineers: application to oysters in Chesapeake Bay. Ecological Applications, 2013, 23, 766-776.	1.8	27

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19	Closing the feedback loop: on stakeholder participation in management strategy evaluation. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1895-1913.	0.7	27
20	Effects of sourceâ€“sink dynamics on harvest policy performance for yellow perch in southern Lake Michigan. Fisheries Research, 2008, 94, 282-289.	0.9	26
21	The Path to an Ecosystem Approach for Forage Fish Management: A Case Study of Atlantic Menhaden. Frontiers in Marine Science, 2021, 8, .	1.2	22
22	Regional trends in fish mean length at age: components of variance and the statistical power to detect trends. Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 968-978.	0.7	21
23	An age- and sex-structured assessment model for American eels (Anguilla rostrata) in the Potomac River, Maryland. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 1024-1037.	0.7	20
24	An evaluation of acceptable biological catch (ABC) harvest control rules designed to limit overfishing. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 1028-1040.	0.7	20
25	Demographics and Parasitism of American Eels in the Chesapeake Bay, USA. Transactions of the American Fisheries Society, 2010, 139, 1699-1710.	0.6	18
26	Estimation of movement and mortality of Atlantic menhaden during 1966â€“1969 using a Bayesian multi-state mark-recovery model. Fisheries Research, 2019, 210, 204-213.	0.9	17
27	When are model-based stock assessments rejected for use in management and what happens then?. Fisheries Research, 2020, 224, 105465.	0.9	17
28	Calibration of a bioenergetics model linking primary production to Atlantic menhaden Brevoortia tyrannus growth in Chesapeake Bay. Marine Ecology - Progress Series, 2011, 437, 253-267.	0.9	17
29	Surplus Production Model Accuracy in Populations Affected by a No-Take Marine Protected Area. Marine and Coastal Fisheries, 2012, 4, 511-525.	0.6	16
30	An evaluation of the synchronization in the dynamics of blue crab (Callinectes sapidus) populations in the western <scp>A</scp>tlantic. Fisheries Oceanography, 2014, 23, 132-146.	0.9	16
31	Steering the Global Partnership for Oceans. Marine Resource Economics, 2014, 29, 1-16.	1.1	15
32	Autocorrelated error in stock assessment estimates: Implications for management strategy evaluation. Fisheries Research, 2015, 172, 325-334.	0.9	15
33	Survival of Juvenile Lake Trout Stocked in Western Lake Huron during 1974â€“1992. North American Journal of Fisheries Management, 2002, 22, 213-218.	0.5	13
34	Estimation of recreational bag limit noncompliance using contact creel survey data. Fisheries Research, 2009, 99, 239-243.	0.9	13
35	A spatial age-structured model for describing sea lamprey (Petromyzon marinus) population dynamics. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1709-1722.	0.7	13
36	Trends in Relative Abundance and Early Life Survival of Atlantic Menhaden during 1977â€“2013 from Long-Term Ichthyoplankton Programs. Transactions of the American Fisheries Society, 2016, 145, 1139-1151.	0.6	13

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37	Valuing changes in frequency of fish stock assessments. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1640-1652.	0.7	13
38	Sex Ratios and Average Sperm per Female Blue Crab Callinectes sapidus in Six Tributaries of Chesapeake Bay. Marine and Coastal Fisheries, 2016, 8, 492-501.	0.6	12
39	A performance evaluation of surplus production models with time-varying intrinsic growth in dynamic ecosystems. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 2245-2255.	0.7	11
40	Management Evaluation for the Chesapeake Bay Blue Crab Fishery: An Integrated Bioeconomic Approach. North American Journal of Fisheries Management, 2015, 35, 216-228.	0.5	10
41	Physiological processes and gross energy budget of the submerged longline-cultured Pacific oyster Crassostrea gigas in a temperate bay of Korea. PLoS ONE, 2018, 13, e0199752.	1.1	9
42	Population dynamics of eastern oysters in the Choptank River Complex, Maryland during 1989â€“2015. Fisheries Research, 2019, 212, 196-207.	0.9	9
43	Evaluation of fishery-induced sperm limitation in Chesapeake Bay blue crab using an individual-based model. Marine Ecology - Progress Series, 2018, 596, 127-142.	0.9	9
44	Effects of Temperature on Age-0 Atlantic Menhaden Growth in Chesapeake Bay. Transactions of the American Fisheries Society, 2014, 143, 1255-1265.	0.6	8
45	Learning by doing: collaborative conceptual modelling as a path forward in ecosystem-based management. ICES Journal of Marine Science, 2021, 78, 1217-1228.	1.2	7
46	Performance of Surplus Production Models with Time-Varying Parameters for Assessing Multispecies Assemblages. North American Journal of Fisheries Management, 2012, 32, 1137-1145.	0.5	6
47	Effects of location errors on estimates of dredge catchability from depletion based methods. Fisheries Research, 2013, 148, 1-8.	0.9	6
48	Factors affecting the abundance of age-0 Atlantic menhaden (Brevoortia tyrannus) in Chesapeake Bay. ICES Journal of Marine Science, 2016, 73, 2238-2251.	1.2	6
49	Patterns in oyster natural mortality in Chesapeake Bay, Maryland using a Bayesian model. Fisheries Research, 2021, 236, 105838.	0.9	6
50	A bioeconomic approach towards improved fishery management of Monomia haanii in the southern Taiwan Strait, China. Fisheries Research, 2021, 240, 105969.	0.9	6
51	Trends in Abundance Indices of Fishes in Marylandâ€™s Coastal Bays During 1972â€“2009. Estuaries and Coasts, 2014, 37, 791-800.	1.0	5
52	Simulating bottom-up effects on predator productivity and consequences for the rebuilding timeline of a depleted population. Ecological Modelling, 2015, 311, 48-62.	1.2	5
53	Spawning locations and larval dispersal of Atlantic Menhaden during 1977â€“2013. ICES Journal of Marine Science, 2017, 74, 1574-1586.	1.2	5
54	Spatial population dynamics of eastern oyster in the Chesapeake Bay, Maryland. Fisheries Research, 2021, 237, 105854.	0.9	4

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55	Dynamic factor analysis to reconcile conflicting survey indices of abundance. ICES Journal of Marine Science, 2021, 78, 1711-1729.	1.2	4
56	Fleet Dynamics of the Commercial Lake Trout Fishery in Michigan Waters of Lake Superior during 1929â€“1961. Journal of Great Lakes Research, 2004, 30, 252-266.	0.8	3
57	Tradeoff between Assessment and Control of Aquatic Invasive Species: A Case Study of Sea Lamprey Management in the St. Marys River. North American Journal of Fisheries Management, 2016, 36, 11-20.	0.5	3
58	Bayesian Calibration of Blue Crab (Callinectes sapidus) Abundance Indices Based on Probability Surveys. Journal of Agricultural, Biological, and Environmental Statistics, 2017, 22, 481-497.	0.7	2
59	Developing Precautionary Reference Points for Fishery Management Using Robust Control Theory: Application to the Chesapeake Bay Blue CrabCallinectes sapidusFishery. Marine and Coastal Fisheries, 2019, 11, 177-188.	0.6	2
60	Ranking ecosystem impacts on Chesapeake Bay blue crab (Callinectes sapidus) using empirical Gaussian Graphical Models. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 245-254.	0.7	2
61	Comparing methods for estimating larval sea lamprey (Petromyzon marinus) density in the St. Marys River for the purposes of control. Journal of Great Lakes Research, 2014, 40, 739-747.	0.8	1
62	Multi-state dead recovery mark-recovery model performance for estimating movement and mortality rates. Fisheries Research, 2019, 210, 214-223.	0.9	1
63	Growth of the longline-cultured sea squirt Halocynthia roretzi in a temperate bay of Korea: Biochemical composition and physiological energetics. Aquaculture, 2020, 516, 734526.	1.7	1
64	Using censored regression when estimating abundance with CPUE data to account for daily catch limits. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 716-722.	0.7	1
65	A Simulationâ€Based Evaluation of Commercial Port Sampling Programs for the Gulf and Atlantic Menhaden Fisheries. North American Journal of Fisheries Management, 2020, 40, 995-1006.	0.5	1
66	Effects of Infectious Diseases on Population Dynamics of Marine Organisms in Chesapeake Bay. Estuaries and Coasts, 2021, 44, 2334-2349.	1.0	1
67	A spatial simulation approach to hydroacoustic survey design: A case study for Atlantic menhaden. Fisheries Research, 2020, 222, 105402.	0.9	0
68	Efficiency of Hydraulic Patent Tongs for Surveying Restored Eastern Oyster Reefs in Harris Creek, Maryland. North American Journal of Fisheries Management, 0, , .	0.5	0