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	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
2	Effects of Infectious Diseases on Population Dynamics of Marine Organisms in Chesapeake Bay. Estuaries and Coasts, 2021, 44, 2334-2349.	1.0	1
3	Patterns in oyster natural mortality in Chesapeake Bay, Maryland using a Bayesian model. Fisheries Research, 2021, 236, 105838.	0.9	6
4	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
5	Spatial population dynamics of eastern oyster in the Chesapeake Bay, Maryland. Fisheries Research, 2021, 237, 105854.	0.9	4
6	Dynamic factor analysis to reconcile conflicting survey indices of abundance. ICES Journal of Marine Science, 2021, 78, 1711-1729.	1.2	4
7	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
8	A bioeconomic approach towards improved fishery management of Monomia haanii in the southern Taiwan Strait, China. Fisheries Research, 2021, 240, 105969.	0.9	6
9	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
10	A spatial simulation approach to hydroacoustic survey design: A case study for Atlantic menhaden. Fisheries Research, 2020, 222, 105402.	0.9	0
11	When are model-based stock assessments rejected for use in management and what happens then?. Fisheries Research, 2020, 224, 105465.	0.9	17
12	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
13	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
14	Population dynamics of eastern oysters in the Choptank River Complex, Maryland during 1989â€“2015. Fisheries Research, 2019, 212, 196-207.	0.9	9
15	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
16	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
17	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
18	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

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19	Valuing changes in frequency of fish stock assessments. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1640-1652.	0.7	13
20	Multi-state dead recovery mark-recovery model performance for estimating movement and mortality rates. Fisheries Research, 2019, 210, 214-223.	0.9	1
21	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
22	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
23	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
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	Spawning locations and larval dispersal of Atlantic Menhaden during 1977â€“2013. ICES Journal of Marine Science, 2017, 74, 1574-1586.	1.2	5
26	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
27	A Framework for Incorporating Species, Fleet, Habitat, and Climate Interactions into Fishery Management. Frontiers in Marine Science, 2016, 3, .	1.2	33
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Autocorrelated error in stock assessment estimates: Implications for management strategy evaluation. Fisheries Research, 2015, 172, 325-334.	0.9	15
36	Trends in Abundance Indices of Fishes in Marylandâ€™s Coastal Bays During 1972â€“2009. Estuaries and Coasts, 2014, 37, 791-800.	1.0	5

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37	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
38	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
39	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
40	Steering the Global Partnership for Oceans. Marine Resource Economics, 2014, 29, 1-16.	1.1	15
41	Effects of location errors on estimates of dredge catchability from depletion based methods. Fisheries Research, 2013, 148, 1-8.	0.9	6
42	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
43	Sustainable exploitation and management of autogenic ecosystem engineers: application to oysters in Chesapeake Bay. Ecological Applications, 2013, 23, 766-776.	1.8	27
44	An Evaluation of Harvest Control Rules for Dataâ€Poor Fisheries. North American Journal of Fisheries Management, 2013, 33, 845-860.	0.5	42
45	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
46	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
47	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
48	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
49	The increasing importance of marine recreational fishing in the US: Challenges for management. Fisheries Research, 2011, 108, 268-276.	0.9	127
50	Applying Structured Decision Making to Recreational Fisheries Management. Fisheries, 2011, 36, 113-122.	0.6	62
51	Overfishing, disease, habitat loss, and potential extirpation of oysters in upper Chesapeake Bay. Marine Ecology - Progress Series, 2011, 436, 131-144.	0.9	128
52	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
53	FishSmart: An Innovative Role for Science in Stakeholder-Centered Approaches to Fisheries Management. Fisheries, 2010, 35, 424-433.	0.6	34
54	Demographics and Parasitism of American Eels in the Chesapeake Bay, USA. Transactions of the American Fisheries Society, 2010, 139, 1699-1710.	0.6	18

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55	Incorporating Time-Varying Catchability into Population Dynamic Stock Assessment Models. Reviews in Fisheries Science, 2009, 18, 7-24.	2.1	194
56	Estimation of recreational bag limit noncompliance using contact creel survey data. Fisheries Research, 2009, 99, 239-243.	0.9	13
57	Performance of deviance information criterion model selection in statistical catch-at-age analysis. Fisheries Research, 2008, 93, 212-221.	0.9	47
58	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
59	Evaluating alternative harvest policies for yellow perch in southern Lake Michigan. Fisheries Research, 2008, 94, 267-281.	0.9	44
60	Comment on "Impacts of Biodiversity Loss on Ocean Ecosystem Services". Science, 2007, 316, 1285b-1285b.	6.0	30
61	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
62	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
63	Yellow Perch Dynamics in Southwestern Lake Michigan during 1986â€“2002. North American Journal of Fisheries Management, 2005, 25, 1130-1152.	0.5	52
64	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
65	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
66	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
67	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
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