

# Thomas James Miller

## List of Publications by Year in descending order

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75  
papers

4,214  
citations

172386

29  
h-index

114418

63  
g-index

76  
all docs

76  
docs citations

76  
times ranked

3531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Larval Size and Recruitment Mechanisms in Fishes: Toward a Conceptual Framework. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1988, 45, 1657-1670.	0.7	1,107
2	Estimation and analysis of biological parameters in elasmobranch fishes: a comparative life history study. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 969-981.	0.7	259
3	Evidence for a dome-shaped relationship between turbulence and larval fish ingestion rates. <i>Limnology and Oceanography</i> , 1994, 39, 1790-1799.	1.6	236
4	Growth Rate Variation and Larval Survival: Inferences from an Individual-Based Size-Dependent Predation Model. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1993, 50, 133-142.	0.7	222
5	Contribution of individual-based coupled physical-biological models to understanding recruitment in marine fish populations. <i>Marine Ecology - Progress Series</i> , 2007, 347, 127-138.	0.9	153
6	The increasing importance of marine recreational fishing in the US: Challenges for management. <i>Fisheries Research</i> , 2011, 108, 268-276.	0.9	127
7	Intercalibration of four spectrofluorometric protocols for measuring RNA/DNA ratios in larval and juvenile fish. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 153-163.	1.0	119
8	The Role of Microscale Turbulence in the Feeding Ecology of Larval Fish. <i>Advances in Marine Biology</i> , 1997, , 169-220.	0.7	92
9	Climate Change, Migration Phenology, and Fisheries Management Interact with Unanticipated Consequences. <i>North American Journal of Fisheries Management</i> , 2014, 34, 94-110.	0.5	83
10	The population dynamics of little skate <i>Leucoraja erinacea</i> , winter skate <i>Leucoraja ocellata</i> , and barndoor skate <i>Dipturus laevis</i> : predicting exploitation limits using matrix analyses. <i>ICES Journal of Marine Science</i> , 2002, 59, 576-586.	1.2	81
11	Moving beyond the current paradigm in marine population connectivity: are adults the missing link?. <i>Fish and Fisheries</i> , 2014, 15, 242-254.	2.7	79
12	Ontogenetic changes in behavioural and histological measures of visual acuity in three species of fish. <i>Environmental Biology of Fishes</i> , 1993, 37, 1-8.	0.4	75
13	Maternal effects as a recruitment mechanism in Lake Michigan yellow perch ( <i>Perca flavescens</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 1477-1487.	0.7	69
14	Body Size and the Ontogeny of the Functional Response in Fishes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 805-812.	0.7	63
15	Synthesizing lessons learned from comparing fisheries production in 13 northern hemisphere ecosystems: emergent fundamental features. <i>Marine Ecology - Progress Series</i> , 2012, 459, 293-302.	0.9	61
16	Age, growth, and latitudinal patterns of two Rajidae species in the northwestern Atlantic: little skate ( <i>Leucoraja erinacea</i> ) and winter skate ( <i>Leucoraja ocellata</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1078-1091.	0.7	60
17	Winter distribution of blue crab <i>Callinectes sapidus</i> in Chesapeake Bay: application and cross-validation of a two-stage generalized additive model. <i>Marine Ecology - Progress Series</i> , 2005, 299, 239-255.	0.9	56
18	Direct and Indirect Estimates of Natural Mortality for Chesapeake Bay Blue Crab. <i>Transactions of the American Fisheries Society</i> , 2007, 136, 1030-1040.	0.6	52

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19	Temperature-dependent growth of the blue crab ( <i>Callinectes sapidus</i> ): a molt process approach. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 1298-1308.	0.7	51
20	An individual-based analysis of the variability of eggs and their newly hatched larvae of Atlantic cod ( <i>Gadus morhua</i> ) on the Scotian Shelf. Canadian Journal of Fisheries and Aquatic Sciences, 1995, 52, 1083-1093.	0.7	45
21	Patterns of scale-dependency and the influence of map resolution on the seascape ecology of reef fish. Marine Ecology - Progress Series, 2011, 427, 259-274.	0.9	45
22	An Evaluation of Harvest Control Rules for Data-Poor Fisheries. North American Journal of Fisheries Management, 2013, 33, 845-860.	0.5	42
23	Foraging selectivity by larval yellow perch ( <i>Perca flavescens</i> ): implications for understanding recruitment in small and large lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 28-42.	0.7	40
24	Spatial and temporal dynamics of Atlantic menhaden ( <i>Brevoortia tyrannus</i> ) recruitment in the Northwest Atlantic Ocean. ICES Journal of Marine Science, 2016, 73, 1147-1159.	1.2	38
25	Evaluating Ecosystem-Based Reference Points for Atlantic Menhaden. Marine and Coastal Fisheries, 2017, 9, 457-478.	0.6	35
26	Effects of Changes in the Zooplankton Assemblage on Growth of Bloater and Implications for Recruitment Success. Transactions of the American Fisheries Society, 1990, 119, 483-491.	0.6	34
27	FishSmart: An Innovative Role for Science in Stakeholder-Centered Approaches to Fisheries Management. Fisheries, 2010, 35, 424-433.	0.6	34
28	Assessing biomass gains from marsh restoration in Delaware Bay using Ecopath with Ecosim. Ecological Modelling, 2011, 222, 190-200.	1.2	32
29	An individual-based modeling approach to spawning-potential per-recruit models: an application to blue crab ( <i>Callinectes sapidus</i> ) in Chesapeake Bay. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 2560-2572.	0.7	30
30	Comment on "Impacts of Biodiversity Loss on Ocean Ecosystem Services". Science, 2007, 316, 1285b-1285b.	6.0	30
31	The Influence of Thematic and Spatial Resolution on Maps of a Coral Reef Ecosystem. Marine Geodesy, 2008, 31, 75-102.	0.9	29
32	The effects of small-scale turbulence on the ingestion rate of fathead minnow ( <i>Pimephales</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.7	28
33	Maturation of Little Skate and Winter Skate in the Western Atlantic from Cape Hatteras to Georges Bank. Marine and Coastal Fisheries, 2009, 1, 1-11.	0.6	27
34	The effect of maternal exposure to contaminated sediment on the growth and condition of larval <i>Fundulus heteroclitus</i> . Aquatic Toxicology, 2007, 82, 242-250.	1.9	26
35	Empirical and Theoretical Approaches to Size-Based Interactions and Recruitment Variability in Fishes. , 1992, , 237-255.		26
36	Temperature-, Salinity-, and Size-Dependent Winter Mortality of Juvenile Blue Crabs ( <i>Callinectes</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.0	25

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37	Matrix-Based Modeling of Blue Crab Population Dynamics with Applications to the Chesapeake Bay. <i>Estuaries and Coasts</i> , 2001, 24, 535.	1.7	24
38	Counteractive effects of increased temperature and pCO <sub>2</sub> on the thickness and chemistry of the carapace of juvenile blue crab, <i>Callinectes sapidus</i> , from the Patuxent River, Chesapeake Bay. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 498, 39-45.	0.7	24
39	Population-level responses to long-term cadmium exposure in two strains of the freshwater gastropod <i>Biomphalaria glabrata</i> : Results from a life-table response experiment. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 678-688.	2.2	23
40	Landscape-based geostatistics: a case study of the distribution of blue crab in Chesapeake Bay. <i>Environmetrics</i> , 2006, 17, 605-621.	0.6	23
41	No effect of high pCO <sub>2</sub> on juvenile blue crab, <i>Callinectes sapidus</i> , growth and consumption despite positive responses to concurrent warming. <i>ICES Journal of Marine Science</i> , 2017, 74, 1201-1209.	1.2	23
42	Geostatistical Analysis of the Abundance and Winter Distribution Patterns of the Blue Crab <i>Callinectes sapidus</i> in Chesapeake Bay. <i>Transactions of the American Fisheries Society</i> , 2005, 134, 1582-1598.	0.6	22
43	Demographic Responses to Multigeneration Cadmium Exposure in Two Strains of the Freshwater Gastropod, <i>Biomphalaria glabrata</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 56, 785-795.	2.1	22
44	The Path to an Ecosystem Approach for Forage Fish Management: A Case Study of Atlantic Menhaden. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	22
45	Comparative analyses of surplus production dynamics of functional feeding groups across 12 northern hemisphere marine ecosystems. <i>Marine Ecology - Progress Series</i> , 2012, 459, 219-229.	0.9	22
46	Exploring the population dynamics of winter skate ( <i>Leucoraja ocellata</i> ) in the Georges Bank region using a statistical catch-at-age model incorporating length, migration, and recruitment process errors. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 774-792.	0.7	20
47	An evaluation of acceptable biological catch (ABC) harvest control rules designed to limit overfishing. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 1028-1040.	0.7	20
48	POPULATION-LEVEL RESPONSES TO LONG-TERM CADMIUM EXPOSURE IN TWO STRAINS OF THE FRESHWATER GASTROPOD BIOMPHALARIA GLABRATA: RESULTS FROM A LIFE-TABLE RESPONSE EXPERIMENT. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 678.	2.2	19
49	Annual, Seasonal, and Regional Variability in Diet of Atlantic Croaker ( <i>Micropogonias undulatus</i> ) in Chesapeake Bay. <i>Estuaries and Coasts</i> , 2011, 34, 691-700.	1.0	18
50	Influence of environmental, spatial, and ontogenetic variables on habitat selection and management of spiny dogfish in the Northeast (US) shelf large marine ecosystem. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 567-580.	0.7	18
51	Comparative analysis of cod and herring production dynamics across 13 northern hemisphere marine ecosystems. <i>Marine Ecology - Progress Series</i> , 2012, 459, 231-246.	0.9	18
52	Spatial and Interannual Variability in Winter Mortality of the Blue Crab ( <i>Callinectes sapidus</i> ) in the Chesapeake Bay. <i>Estuaries and Coasts</i> , 2010, 33, 678-687.	1.0	17
53	The Bioeconomic Impact of Different Management Regulations on the Chesapeake Bay Blue Crab Fishery. <i>North American Journal of Fisheries Management</i> , 2010, 30, 1505-1521.	0.5	16
54	Spatial and Temporal Variation in Otolith Chemistry of Juvenile Atlantic Menhaden in the Chesapeake Bay. <i>Transactions of the American Fisheries Society</i> , 2014, 143, 1061-1071.	0.6	16

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55	An evaluation of the synchronization in the dynamics of blue crab ( <i>Callinectes sapidus</i> ) populations in the western Atlantic. <i>Fisheries Oceanography</i> , 2014, 23, 132-146.	0.9	16
56	Quantifying alosine prey in the diets of marine piscivores in the Gulf of Maine. <i>Journal of Fish Biology</i> , 2015, 86, 1811-1829.	0.7	16
57	A perspective on needed research, modeling, and management approaches that can enhance Great Lakes fisheries management under changing ecosystem conditions. <i>Journal of Great Lakes Research</i> , 2016, 42, 743-752.	0.8	16
58	Autocorrelated error in stock assessment estimates: Implications for management strategy evaluation. <i>Fisheries Research</i> , 2015, 172, 325-334.	0.9	15
59	What drives marine fisheries production?. <i>Marine Ecology - Progress Series</i> , 2012, 459, 159-163.	0.9	15
60	A phylogeny of the temperate seabasses (Moronidae) characterized by a translocation of the mtDNA <i>cytb</i> gene. <i>Journal of Fish Biology</i> , 2012, 80, 110-130.	0.7	13
61	Implications of ocean acidification in the Pacific Arctic: Experimental responses of three Arctic bivalves to decreased pH and food availability. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 144, 112-124.	0.6	13
62	Winter is (not) coming: Warming temperatures will affect the overwinter behavior and survival of blue crab. <i>PLoS ONE</i> , 2019, 14, e0219555.	1.1	13
63	Caloric content of Chukchi Sea benthic invertebrates: Modeling spatial and environmental variation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 102, 97-106.	0.6	12
64	Sex Ratios and Average Sperm per Female Blue Crab <i>Callinectes sapidus</i> in Six Tributaries of Chesapeake Bay. <i>Marine and Coastal Fisheries</i> , 2016, 8, 492-501.	0.6	12
65	Scientific Considerations Informing Magnuson-Stevens Fishery Conservation and Management Act Reauthorization. <i>Fisheries</i> , 2018, 43, 533-541.	0.6	12
66	Elucidating patterns of size-dependent predation on larval yellow perch ( <i>Perca flavescens</i> ) in Lake Michigan: an experimental and modeling approach. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 11-27.	0.7	11
67	The use of field studies to investigate selective processes in fish early life history. , 1997, , 197-223.		11
68	Impact of a change in reporting systems in the Maryland blue crab fishery. <i>Fisheries Research</i> , 2004, 68, 37-43.	0.9	9
69	Evaluation of fishery-induced sperm limitation in Chesapeake Bay blue crab using an individual-based model. <i>Marine Ecology - Progress Series</i> , 2018, 596, 127-142.	0.9	9
70	A Standardized Method and Analytical Approach for Predicting Female Reproductive Stage in Teleosts by Using Ovary Color and Female Characteristics. <i>Transactions of the American Fisheries Society</i> , 2012, 141, 1036-1044.	0.6	6
71	Relationships among map resolution, fish assemblages, and habitat variables in a coral reef ecosystem. <i>Hydrobiologia</i> , 2010, 637, 101-119.	1.0	5
72	Simulating bottom-up effects on predator productivity and consequences for the rebuilding timeline of a depleted population. <i>Ecological Modelling</i> , 2015, 311, 48-62.	1.2	5

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73	Comment on Mollet and Cailliet (2002): confronting models with data. <i>Marine and Freshwater Research</i> , 2003, 54, 737.	0.7	3
74	Bayesian Calibration of Blue Crab ( <i>Callinectes sapidus</i> ) Abundance Indices Based on Probability Surveys. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2017, 22, 481-497.	0.7	2
75	Ranking ecosystem impacts on Chesapeake Bay blue crab ( <i>Callinectes sapidus</i> ) using empirical Gaussian Graphical Models. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 245-254.	0.7	2