Nicola D Walker

List of Publications by Year
in descending order

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14 papers	667 citations	1162889 8 h-index	1125617 13 g-index
15 all docs	15 docs citations	15 times ranked	1349 citing authors

#	Article	IF	Citations
1	Incorporating environmental variability in a spatially-explicit individual-based model of European sea bassâœ°. Ecological Modelling, 2022, 466, 109878.	1.2	7
2	SEASIM-NEAM: A Spatially-Explicit Agent-based SIMulator of North East Atlantic Mackerel population dynamics. MethodsX, 2020, 7, 101044.	0.7	3
3	Potential Consequences of Climate and Management Scenarios for the Northeast Atlantic Mackerel Fishery. Frontiers in Marine Science, 2020, 7, .	1.2	10
4	A spatially explicit individual-based model to support management of commercial and recreational fisheries for European sea bass Dicentrarchus labrax. Ecological Modelling, 2020, 431, 109179.	1.2	5
5	Simulating the summer feeding distribution of Northeast Atlantic mackerel with a mechanistic individual-based model. Progress in Oceanography, 2020, 183, 102299.	1.5	17
6	Estimating contributions of pelagic and benthic pathways to consumer production in coupled marine food webs. Journal of Animal Ecology, 2019, 88, 405-415.	1.3	30
7	Global ensemble projections reveal trophic amplification of ocean biomass declines with climate change. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12907-12912.	3.3	357
8	A data-limited approach for estimating fishing mortality rates and exploitation status of diverse target and non-target fish species impacted by mixed multispecies fisheries. ICES Journal of Marine Science, 2019, 76, 824-836.	1.2	5
9	Bottom-up and top-down control in a multitrophic system: the role of nutrient limitation and infochemical-mediated predation in a plankton food-web model. Communication in Biomathematical Sciences, 2019, 2, 65.	0.1	1
10	A protocol for the intercomparison of marine fishery and ecosystem models: Fish-MIP v1.0. Geoscientific Model Development, 2018, 11, 1421-1442.	1.3	116
11	Estimating efficiency of survey and commercial trawl gears from comparisons of catch-ratios. ICES Journal of Marine Science, 2017, 74, 1448-1457.	1.2	41
12	Role of infochemical mediated zooplankton grazing in a phytoplankton competition model. Ecological Complexity, 2013, 16, 41-50.	1.4	23
13	Multitrophic Interactions in the Sea: Assessing the Effect of Infochemical-Mediated Foraging in a 1-d Spatial Model. Mathematical Modelling of Natural Phenomena, 2013, 8, 25-44.	0.9	17
14	Grazing-induced production of DMS can stabilize food-web dynamics and promote the formation of phytoplankton blooms in a multitrophic plankton model. Biogeochemistry, 2012, 110, 303-313.	1.7	25