Kenneth A Rose

List of Publications by Year
in descending order

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40 papers	3,107 citations	331538 21 h-index	360920 35 g-index
41 all docs	41 docs citations	41 times ranked	4561 citing authors

#	Article	IF	Citations
1	Ecological Forecasts: An Emerging Imperative. Science, 2001, 293, 657-660.	6.0	774
2	Compensatory density dependence in fish populations: importance, controversy, understanding and prognosis. Fish and Fisheries, 2001, 2, 293-327.	2.7	505
3	Skill assessment for coupled biological/physical models of marine systems. Journal of Marine Systems, 2009, 76, 4-15.	0.9	365
4	Ecosystem models for fisheries management: finding the sweet spot. Fish and Fisheries, 2016, 17, 101-125.	2.7	188
5	WHY ARE QUANTITATIVE RELATIONSHIPS BETWEEN ENVIRONMENTAL QUALITY AND FISH POPULATIONS SO ELUSIVE?. , 2000, 10, 367-385.		182
6	The pattern and influence of low dissolved oxygen in the Patuxent River, a seasonally hypoxic estuary. Estuaries and Coasts, 2003, 26, 280-297.	1.7	108
7	Toward a better understanding of fishâ€based contribution to ocean carbon flux. Limnology and Oceanography, 2021, 66, 1639-1664.	1.6	106
8	Ecosystemâ€Based Fisheries Management for Socialâ€“Ecological Systems: Renewing the Focus in the United States with Next Generation Fishery Ecosystem Plans. Conservation Letters, 2018, 11, e12367.	2.8	68
9	Does hypoxia have population-level effects on coastal fish? Musings from the virtual world. Journal of Experimental Marine Biology and Ecology, 2009, 381, S188-S203.	0.7	63
10	BROWN SHRIMP ON THE EDGE: LINKING HABITAT TO SURVIVAL USING AN INDIVIDUAL-BASED SIMULATION MODEL. , 2004, 14, 1232-1247.		60
11	Modeling vitellogenesis in female fish exposed to environmental stressors: predicting the effects of endocrine disturbance due to exposure to a PCB mixture and cadmium. Reproductive Toxicology, 2005, 19, 395-409.	1.3	56
12	Analysis of an Estuarine Striped Bass Population: Effects of Environmental Conditions during Early Life. Estuaries and Coasts, 2001, 24, 557.	1.7	53
13	A review of the NEMURO and NEMURO.FISH models and their application to marine ecosystem investigations. Journal of Oceanography, 2011, 67, 3-16.	0.7	50
14	Evaluating the performance of individual-based animal movement models in novel environments. Ecological Modelling, 2013, 250, 214-234.	1.2	46
15	Designing Optimal Flow Patterns for Fall Chinook Salmon in a Central Valley, California, River. North American Journal of Fisheries Management, 2003, 23, 1-21.	0.5	45
16	Data, Models, and Decisions in U.S. Marine Fisheries Management: Lessons for Ecologists. Annual Review of Ecology, Evolution, and Systematics, 2003, 34, 127-151.	3.8	44
17	Simulating the effects of fluctuating dissolved oxygen on growth, reproduction, and survival of fish and shrimp. Journal of Theoretical Biology, 2014, 343, 54-68.	0.8	38
18	Testing and applying a fish vitellogenesis model to evaluate laboratory and field biomarkers of endocrine disruption in Atlantic croaker (Micropogonias undulatus) exposed to hypoxia. Environmental Toxicology and Chemistry, 2009, 28, 1288-1303.	2.2	34

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19	Climate Regime Effects on Pacific Herring Growth Using Coupled Nutrientâ€Phytoplanktonâ€Zooplankton and Bioenergetics Models. Transactions of the American Fisheries Society, 2008, 137, 278-297.	0.6	32
20	Individualâ€Based Modeling of Delta Smelt Population Dynamics in the Upper San Francisco Estuary: I. Model Description and Baseline Results. Transactions of the American Fisheries Society, 2013, 142, 1238-1259.	0.6	29
21	Individualâ€Based Modeling of Delta Smelt Population Dynamics in the Upper San Francisco Estuary: II. Alternative Baselines and Good versus Bad Years. Transactions of the American Fisheries Society, 2013, 142, 1260-1272.	0.6	26
22	A Global Ocean Oxygen Database and Atlas for Assessing and Predicting Deoxygenation and Ocean Health in the Open and Coastal Ocean. Frontiers in Marine Science, 2021, 8, .	1.2	26
23	Waterâ€Level Fluctuation Effects on Centrarchid Reproductive Success in Reservoirs: A Modeling Analysis. North American Journal of Fisheries Management, 2008, 28, 1138-1156.	0.5	25
24	Life history correlates and extinction risk of capital-breeding fishes. Hydrobiologia, 2008, 602, 15-25.	1.0	23
25	Simulating Fish Movement Responses to and Potential Salinity Stress from Largeâ€Scale River Diversions. Marine and Coastal Fisheries, 2014, 6, 43-61.	0.6	23
26	Effect of Changes in Dissolved Oxygen Concentrations on the Spatial Dynamics of the Gulf Menhaden Fishery in the Northern Gulf of Mexico. Marine and Coastal Fisheries, 2014, 6, 223-234.	0.6	22
27	Modeling the Population Effects of Hypoxia on Atlantic Croaker (Micropogonias undulatus) in the Northwestern Gulf of Mexico: Part 1â€"Model Description and Idealized Hypoxia. Estuaries and Coasts, 2018, 41, 233-254.	1.0	17
28	Modeling the Population Effects of Hypoxia on Atlantic Croaker (Micropogonias undulatus) in the Northwestern Gulf of Mexico: Part 2â€"Realistic Hypoxia and Eutrophication. Estuaries and Coasts, 2018, 41, 255-279.	1.0	15
29	Effects of Variable Prey and Cohort Dynamics on Growth of Young-of-the-Year Estuarine Bluefish: Evidence for Interactions between Spring- and Summer-Spawned Cohorts. Transactions of the American Fisheries Society, 2006, 135, 1266-1289.	0.6	13
30	Making the most of available monitoring data: A grid-summarization method to allow for the combined use of monitoring data collected at random and fixed sampling stations. Fisheries Research, 2020, 229, 105623.	0.9	12
31	The Effects of Spatial and Temporal Resolution in Simulating Fish Movement in Individual-Based Models. Transactions of the American Fisheries Society, 2014, 143, 1143-1160.	0.6	11
32	Effects of spatial variability on the exposure of fish to hypoxia: a modeling analysis for the Gulf of Mexico. Biogeosciences, 2021, 18, 487-507.	1.3	9
33	Modeling Fish Movement in 3-D in the Gulf of Mexico Hypoxic Zone. Estuaries and Coasts, 2019, 42, 1662-1685.	1.0	7
34	The effects of sampling design on estimating the magnitude and distribution of contaminated sediments in a large reservoir. Environmetrics, 2001, 12, 81-102.	0.6	6
35	Simulating the Effects of Nutrient Loading Rates and Hypoxia on Bay Anchovy in Chesapeake Bay Using Coupled Hydrodynamic, Water Quality, and Individual-Based Fish Models. , 2017, , 319-357.		6
36	Dynamics of anchovy and sardine populations in the Canary Current off NW Africa: Responses to environmental and climate forcing in a climateâ€toâ€fish ecosystem model. Fisheries Oceanography, 2021, 30, 232-252.	0.9	6

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37	Numerical Modeling of Hypoxia and Its Effects: Synthesis and Going Forward. , 2017, , 401-421.		5
38	A Model Analysis of Strategies for Enhancing Stocking Success of Landlocked Striped Bass Populations. North American Journal of Fisheries Management, 2000, 20, 841-859.	0.5	4
39	Simulation of the Population-Level Responses of Fish to Hypoxia: Should We Expect Sampling to Detect Responses?. , 2017, , 359-376.		3
40	Predicting Yellow Perch Population Responses Using a Density-Dependent Age-Structured Matrix Projection Model: How Many Annual Data Points Are Needed?. Transactions of the American Fisheries Society, 2010, 139, 1857-1871.	0.6	2