

# James H Cowan

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,704  
citations

236925

25  
h-index

189892

50  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compensatory density dependence in fish populations: importance, controversy, understanding and prognosis. <i>Fish and Fisheries</i> , 2001, 2, 293-327.	5.3	505
2	Bottom trawl fishing footprints on the world's continental shelves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10275-E10282.	7.1	189
3	Size-dependent vulnerability of marine fish larvae to predation: an individual-based numerical experiment. <i>ICES Journal of Marine Science</i> , 1996, 53, 23-37.	2.5	114
4	The pattern and influence of low dissolved oxygen in the Patuxent River, a seasonally hypoxic estuary. <i>Estuaries and Coasts</i> , 2003, 26, 280-297.	1.7	108
5	A Semiautomated Approach to Estimating Fish Size, Abundance, and Behavior from Dual-Frequency Identification Sonar (DIDSON) Data. <i>North American Journal of Fisheries Management</i> , 2008, 28, 799-807.	1.0	98
6	BEHAVIOR AND RECRUITMENT SUCCESS IN FISH LARVAE: REPEATABILITY AND COVARIATION OF SURVIVAL SKILLS. <i>Ecology</i> , 2003, 84, 53-67.	3.2	94
7	Size-dependent predation on marine fish larvae by Ctenophores, Scyphomedusae, and Planktivorous fish. <i>Fisheries Oceanography</i> , 1992, 1, 113-126.	1.7	92
8	Movement of Tagged Red Snapper in the Northern Gulf of Mexico. <i>Transactions of the American Fisheries Society</i> , 2001, 130, 533-545.	1.4	85
9	Survival skills required for predator evasion by fish larvae and their relation to laboratory measures of performance. <i>Animal Behaviour</i> , 2006, 71, 1389-1399.	1.9	81
10	Individual-Based Model of Young-of-the-Year Striped Bass Population Dynamics. I. Model Description and Baseline Simulations. <i>Transactions of the American Fisheries Society</i> , 1993, 122, 415-438.	1.4	76
11	Reanalyses of Gulf of Mexico fisheries data: Landings can be misleading in assessments of fisheries and fisheries ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2740-2744.	7.1	69
12	Exploring effects of hypoxia on fish and fisheries in the northern Gulf of Mexico using a dynamic spatially explicit ecosystem model. <i>Ecological Modelling</i> , 2016, 331, 142-150.	2.5	67
13	The First Year in the Life of Estuarine Fishes in the Middle Atlantic Bight. <i>Estuaries and Coasts</i> , 1999, 22, 337.	1.7	65
14	Optimizing Sediment Diversion Operations: Working Group Recommendations for Integrating Complex Ecological and Social Landscape Interactions. <i>Water (Switzerland)</i> , 2017, 9, 368.	2.7	58
15	Analysis of an Estuarine Striped Bass Population: Effects of Environmental Conditions during Early Life. <i>Estuaries and Coasts</i> , 2001, 24, 557.	1.7	53
16	Challenges for Implementing an Ecosystem Approach to Fisheries Management. <i>Marine and Coastal Fisheries</i> , 2012, 4, 496-510.	1.4	53
17	Individual-based modeling of an artificial reef fish community: Effects of habitat quantity and degree of refuge. <i>Ecological Modelling</i> , 2011, 222, 3895-3909.	2.5	49
18	Biomass, Density, and Size Distributions of Fishes Associated with a Large-Scale Artificial Reef Complex in the Gulf of Mexico. <i>Bulletin of Marine Science</i> , 2010, 86, 879-889.	0.8	47

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19	Individual-Based Model of Young-of-the-Year Striped Bass Population Dynamics. II. Factors Affecting Recruitment in the Potomac River, Maryland. <i>Transactions of the American Fisheries Society</i> , 1993, 122, 439-458.	1.4	45
20	Size selectivity of sampling gears targeting red snapper in the northern Gulf of Mexico. <i>Fisheries Research</i> , 2008, 89, 294-299.	1.7	45
21	Using Ecopath with Ecosim to Explore Nekton Community Response to Freshwater Diversion into a Louisiana Estuary. <i>Marine and Coastal Fisheries</i> , 2012, 4, 104-116.	1.4	45
22	Data, Models, and Decisions in U.S. Marine Fisheries Management: Lessons for Ecologists. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2003, 34, 127-151.	8.3	44
23	Marsh management plans in practice: Do they work in coastal Louisiana, USA?. <i>Environmental Management</i> , 1988, 12, 37-53.	2.7	37
24	Behavior and recruitment success in fish larvae: variation with growth rate and the batch effect. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 1337-1349.	1.4	37
25	Environmental impacts and regulatory policy Implications of spray disposal of dredged material in Louisiana wetlands. <i>Coastal Management</i> , 1988, 16, 341-362.	2.0	27
26	Enclosure Experiments on Survival and Growth of Black Drum Eggs and Larvae in Lower Chesapeake Bay. <i>Estuaries and Coasts</i> , 1992, 15, 392.	1.7	25
27	Red Snapper in the Gulf of Mexico and U.S. South Atlantic: Data, Doubt, and Debate. <i>Fisheries</i> , 2011, 36, 319-331.	0.8	25
28	Method for estimating relative abundance and species composition around oil and gas platforms in the northern Gulf of Mexico, U.S.A.. <i>Fisheries Research</i> , 2018, 201, 44-55.	1.7	25
29	What Is the Relative Importance of Phytoplankton and Attached Macroalgae and Epiphytes to Food Webs on Offshore Oil Platforms?. <i>Marine and Coastal Fisheries</i> , 2013, 5, 53-64.	1.4	23
30	Habitat differences in the feeding ecology of red snapper ( <i>Lutjanus campechanus</i> , Poey 1860): a comparison between artificial and natural reefs in the northern Gulf of Mexico. <i>Environmental Biology of Fishes</i> , 2015, 98, 811-824.	1.0	23
31	The effect of artificial light on the community structure of reef-associated fishes at oil and gas platforms in the northern Gulf of Mexico. <i>Environmental Biology of Fishes</i> , 2018, 101, 153-166.	1.0	23
32	Effect of trawling on juvenile red snapper ( <i>Lutjanus campechanus</i> ) habitat selection and life history parameters. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2399-2411.	1.4	22
33	Temporal and Spatial Variability in Juvenile Red Snapper Otolith Elemental Signatures in the Northern Gulf of Mexico. <i>Transactions of the American Fisheries Society</i> , 2008, 137, 521-532.	1.4	22
34	Evaluating the effect of slot size and environmental variables on the passage of estuarine nekton through a water control structure. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 395, 181-190.	1.5	22
35	Temporal and spatial comparisons of the reproductive biology of northern Gulf of Mexico (USA) red snapper ( <i>Lutjanus campechanus</i> ) collected a decade apart. <i>PLoS ONE</i> , 2017, 12, e0172360.	2.5	22
36	A Comparison of Red Snapper Reproductive Potential in the Northwestern Gulf of Mexico: Natural versus Artificial Habitats. <i>Marine and Coastal Fisheries</i> , 2017, 9, 139-148.	1.4	21

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37	Seasonal Occurrence of Larval and Juvenile Fishes in a Virginia Atlantic Coast Estuary with Emphasis on Drums (Family Sciaenidae). <i>Estuaries and Coasts</i> , 1985, 8, 48.	1.7	19
38	Seasonal Estimates of Fish Biomass and Length Distributions Using Acoustics and Traditional Nets to Identify Estuarine Habitat Preferences in Barataria Bay, Louisiana. <i>Marine and Coastal Fisheries</i> , 2010, 2, 83-97.	1.4	19
39	Evaluation of target strength fish length equation choices for estimating estuarine fish biomass. <i>Hydrobiologia</i> , 2008, 610, 113-123.	2.0	18
40	A Before-After-Control-Impact Analysis of the Effects of a Mississippi River Freshwater Diversion on Estuarine Nekton in Louisiana, USA. <i>Estuaries and Coasts</i> , 2012, 35, 1237-1248.	2.2	18
41	Regional variation in mercury and stable isotopes of red snapper ( <i>Lutjanus campechanus</i> ) in the northern gulf of Mexico, USA. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 434-441.	4.3	18
42	Predicting fish population dynamics: compensation and the importance of site-specific considerations. <i>Environmental Science and Policy</i> , 2000, 3, 433-443.	4.9	16
43	Regional differences in the age and growth of red snapper ( <i>Lutjanus campechanus</i> ) in the U.S. Gulf of Mexico. <i>Fishery Bulletin</i> , 2014, 112, 261-273.	0.2	16
44	Habitat Selection Important for Red Snapper Feeding Ecology in the Northwestern Gulf of Mexico. <i>Marine and Coastal Fisheries</i> , 2017, 9, 373-387.	1.4	14
45	Seasonal and sex differences in energy reserves of red snapper <i>Lutjanus campechanus</i> on natural and artificial reefs in the northwestern Gulf of Mexico. <i>Fisheries Science</i> , 2017, 83, 13-22.	1.6	14
46	Effects of Variable Prey and Cohort Dynamics on Growth of Young-of-the-Year Estuarine Bluefish: Evidence for Interactions between Spring- and Summer-Spawed Cohorts. <i>Transactions of the American Fisheries Society</i> , 2006, 135, 1266-1289.	1.4	13
47	Effects of Slotted Water Control Structures on Nekton Movement within Salt Marshes. <i>Marine and Coastal Fisheries</i> , 2015, 7, 177-189.	1.4	13
48	Discrimination of Juvenile Red Snapper Otolith Chemical Signatures from Gulf of Mexico Nursery Regions. <i>Marine and Coastal Fisheries</i> , 2012, 4, 587-598.	1.4	12
49	Effects of an Inshore Artificial Reef on the Trophic Dynamics of Three Species of Estuarine Fish. <i>Bulletin of Marine Science</i> , 2013, 89, 657-676.	0.8	11
50	Simulating the effects of side-aspect fish orientation on acoustic biomass estimates. <i>ICES Journal of Marine Science</i> , 2009, 66, 1398-1403.	2.5	10
51	Sex Differences in Residency of Adult Spotted Seatrout in a Louisiana Estuary. <i>Marine and Coastal Fisheries</i> , 2013, 5, 79-92.	1.4	9
52	Modeling wetland loss in coastal Louisiana: Geology, geography, and human modifications. <i>Environmental Management</i> , 1988, 12, 827-838.	2.7	8
53	Effect of Trawling and Habitat on Mercury Concentration in Juvenile Red Snapper from the Northern Gulf of Mexico. <i>Transactions of the American Fisheries Society</i> , 2008, 137, 1839-1850.	1.4	8
54	Evaluation of the Shepherd and Cushing (1980) model of density-dependent survival: a case study using striped bass ( <i>Morone saxatilis</i> ) larvae in the Potomac River, Maryland, USA. <i>ICES Journal of Marine Science</i> , 2003, 60, 1275-1287.	2.5	7

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55	New Approaches to the Gulf Hypoxia Problem. <i>Eos</i> , 2010, 91, 173-173.	0.1	5
56	Sex-Specific Movement Response of an Estuarine Sciaenid ( <i>Cynoscion nebulosus</i> ) to Freshets. <i>Estuaries and Coasts</i> , 2015, 38, 1492-1504.	2.2	5
57	Validation of first annulus formation in red snapper otoliths with the use of an alizarin complexone fluorescent marker. <i>Environmental Biology of Fishes</i> , 2010, 89, 313-317.	1.0	4
58	Application of Otolith Chemical Signatures to Estimate Population Connectivity of Red Snapper in the Western Gulf of Mexico. <i>Marine and Coastal Fisheries</i> , 2015, 7, 483-496.	1.4	3
59	The Effects of Front-Associated Wind Events and Resultant Sediment Resuspension on Dietary Habits and Caloric Intake of Bay Anchovy and Age-0 Atlantic Croaker in Mobile Bay, Alabama. <i>Marine and Coastal Fisheries</i> , 2013, 5, 103-113.	1.4	0