

Wendy C Gentleman

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,289
citations

471509

17
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

1277
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Impact of larval behaviors on dispersal and connectivity of sea scallop larvae over the northeast U.S. shelf. <i>Progress in Oceanography</i> , 2021, 195, 102604. | 3.2 | 14 |
| 2 | Ocean circulation changes drive shifts in <i>Calanus</i> abundance in North Atlantic right whale foraging habitat: A model comparison of cool and warm year scenarios. <i>Progress in Oceanography</i> , 2021, 197, 102629. | 3.2 | 12 |
| 3 | Ocean carbon sequestration: Particle fragmentation by copepods as a significant unrecognised factor?. <i>BioEssays</i> , 2020, 42, e2000149. | 2.5 | 19 |
| 4 | Geometric Stoichiometry: Unifying Concepts of Animal Nutrition to Understand How Protein-Rich Diets Can Be “Too Much of a Good Thing”. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, . | 2.2 | 17 |
| 5 | Application of neural networks to model changes in fish community biomass in relation to pressure indicators and comparison with a linear approach. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 963-977. | 1.4 | 0 |
| 6 | Remembering John Steele and his models for understanding the structure and function of marine ecosystems. <i>Journal of Plankton Research</i> , 2019, 41, 609-620. | 1.8 | 1 |
| 7 | How transport shapes copepod distributions in relation to whale feeding habitat: Demonstration of a new modelling framework. <i>Progress in Oceanography</i> , 2019, 171, 1-21. | 3.2 | 25 |
| 8 | Operational Limitations of Arctic Waste Stabilization Ponds: Insights from Modeling Oxygen Dynamics and Carbon Removal. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, 04018038. | 1.4 | 2 |
| 9 | Explanatory Power of Human and Environmental Pressures on the Fish Community of the Grand Bank before and after the Biomass Collapse. <i>Frontiers in Marine Science</i> , 2018, 5, . | 2.5 | 11 |
| 10 | Compilation and discussion of driver, pressure, and state indicators for the Grand Bank ecosystem, Northwest Atlantic. <i>Ecological Indicators</i> , 2017, 75, 331-339. | 6.3 | 16 |
| 11 | Considering non-predatory death in the estimation of copepod early life stage mortality and survivorship. <i>Journal of Plankton Research</i> , 2017, 39, 92-110. | 1.8 | 4 |
| 12 | Modelling rates of random search over the transition from diffusive to ballistic movement of plankton. <i>Journal of Plankton Research</i> , 2017, 39, 815-825. | 1.8 | 1 |
| 13 | EMPOWER-1.0: an Efficient Model of Planktonic ecOsystems WrittEn in R. <i>Geoscientific Model Development</i> , 2015, 8, 2231-2262. | 3.6 | 18 |
| 14 | Fisheries Closed Areas Strengthen Scallop Larval Settlement and Connectivity Among Closed Areas and Across International Open Fishing Grounds: A Model Study. <i>Environmental Management</i> , 2015, 56, 587-602. | 2.7 | 8 |
| 15 | Bridging the gap between marine biogeochemical and fisheries sciences; configuring the zooplankton link. <i>Progress in Oceanography</i> , 2014, 129, 176-199. | 3.2 | 146 |
| 16 | Semi-annual spawning in marine scallops strengthens larval recruitment and connectivity on Georges Bank: a model study. <i>Marine Ecology - Progress Series</i> , 2014, 516, 209-227. | 1.9 | 8 |
| 17 | The legacy of Gordon Arthur Riley (1911–1985) and the development of mathematical models in biological oceanography. <i>Journal of Marine Research</i> , 2012, 70, 1-30. | 0.3 | 8 |
| 18 | How to build and use individual-based models (IBMs) as hypothesis testing tools. <i>Journal of Marine Systems</i> , 2010, 81, 122-133. | 2.1 | 19 |

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|----|--|-----|-----------|
| 19 | Influence of grazing formulations on the emergent properties of a complex ecosystem model in a global ocean general circulation model. Progress in Oceanography, 2010, 87, 201-213. | 3.2 | 72 |
| 20 | Explaining regional variability in copepod recruitment: Implications for a changing climate. Progress in Oceanography, 2010, 87, 94-105. | 3.2 | 18 |
| 21 | Modelling dispersal of sea scallop (<i>Placopecten magellanicus</i>) larvae on Georges Bank: The influence of depth-distribution, planktonic duration and spawning seasonality. Progress in Oceanography, 2010, 87, 37-48. | 3.2 | 45 |
| 22 | Modeling larval <i>Calanus finmarchicus</i> on Georges Bank: time-varying mortality rates and a cannibalism hypothesis. Fisheries Oceanography, 2009, 18, 147-160. | 1.7 | 21 |
| 23 | Functional responses and ecosystem dynamics: how clearance rates explain the influence of satiation, food-limitation and acclimation. Journal of Plankton Research, 2008, 30, 1215-1231. | 1.8 | 71 |
| 24 | Modelling copepod development: current limitations and a new realistic approach. ICES Journal of Marine Science, 2008, 65, 399-413. | 2.5 | 31 |
| 25 | Functional responses for zooplankton feeding on multiple resources: a review of assumptions and biological dynamics. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2847-2875. | 1.4 | 269 |
| 26 | The threshold feeding response of microzooplankton within Pacific high-nitrate low-chlorophyll ecosystem models under steady and variable iron input. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2877-2894. | 1.4 | 20 |
| 27 | Title is missing!. Hydrobiologia, 2002, 480, 69-85. | 2.0 | 41 |
| 28 | Evaluating the synopticity of the US GLOBEC Georges Bank broad-scale sampling pattern with observational system simulation experiments. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 483-499. | 1.4 | 21 |
| 29 | An adjoint data assimilation approach to diagnosis of physical and biological controls on <i>Pseudocalanus</i> spp. in the Gulf of Maine-Georges Bank region. Fisheries Oceanography, 1998, 7, 205-218. | 1.7 | 58 |
| 30 | Coupling of an individual-based population dynamic model of <i>Calanus finmarchicus</i> to a circulation model for the Georges Bank region. Fisheries Oceanography, 1998, 7, 219-234. | 1.7 | 129 |
| 31 | Biological/physical simulations of <i>Calanus finmarchicus</i> population dynamics in the Gulf of Maine. Marine Ecology - Progress Series, 1998, 169, 189-210. | 1.9 | 91 |
| 32 | NUMERICAL SOLUTIONS OF SECOND ORDER IMPLICIT NON-LINEAR ORDINARY DIFFERENTIAL EQUATIONS. Journal of Sound and Vibration, 1996, 195, 553-574. | 3.9 | 68 |
| 33 | Variability of mortality rates for <i>Calanus finmarchicus</i> early life stages in the Labrador Sea and the significance of egg viability. Journal of Plankton Research, 0, , fbv080. | 1.8 | 5 |