Jeroen Steenbeek

List of Publications by Year in descending order

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Version: 2024-02-01

60 papers	5,537 citations	117571 34 h-index	138417 58 g-index
63 all docs	63 docs citations	63 times ranked	6288 citing authors

#	Article	IF	Citations
1	The Biodiversity of the Mediterranean Sea: Estimates, Patterns, and Threats. PLoS ONE, 2010, 5, e11842.	1.1	1,439
2	The Mediterranean Sea under siege: spatial overlap between marine biodiversity, cumulative threats and marine reserves. Global Ecology and Biogeography, 2012, 21, 465-480.	2.7	488
3	Best practice in Ecopath with Ecosim food-web models for ecosystem-based management. Ecological Modelling, 2016, 331, 173-184.	1.2	374
4	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
5	Invading the Mediterranean Sea: biodiversity patterns shaped by human activities. Frontiers in Marine Science, 2014, 1, .	1.2	178
6	State-of-the-art global models underestimate impacts from climate extremes. Nature Communications, 2019, 10, 1005.	5.8	168
7	A risk-based approach to cumulative effect assessments for marine management. Science of the Total Environment, 2018, 612, 1132-1140.	3.9	150
8	Historical changes of the Mediterranean Sea ecosystem: modelling the role and impact of primary productivity and fisheries changes over time. Scientific Reports, 2017, 7, 44491.	1.6	139
9	A century of fish biomass decline in the ocean. Marine Ecology - Progress Series, 2014, 512, 155-166.	0.9	138
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	Bridging the gap between ecosystem modeling tools and geographic information systems: Driving a food web model with external spatialâ€“temporal data. Ecological Modelling, 2013, 263, 139-151.	1.2	108
12	Representing Variable Habitat Quality in a Spatial Food Web Model. Ecosystems, 2014, 17, 1397-1412.	1.6	103
13	Next-generation ensemble projections reveal higher climate risks for marine ecosystems. Nature Climate Change, 2021, 11, 973-981.	8.1	96
14	Future scenarios of marine resources and ecosystem conditions in the Eastern Mediterranean under the impacts of fishing, alien species and sea warming. Scientific Reports, 2018, 8, 14284.	1.6	90
15	Mapping diversity of species in global aquaculture. Reviews in Aquaculture, 2020, 12, 1090-1100.	4.6	77
16	Valuing seafood: The Peruvian fisheries sector. Marine Policy, 2014, 44, 302-311.	1.5	76
17	Modelling dynamic ecosystems: venturing beyond boundaries with the Ecopath approach. Reviews in Fish Biology and Fisheries, 2015, 25, 413-424.	2.4	73
18	Ecopath with Ecosim as a model-building toolbox: Source code capabilities, extensions, and variations. Ecological Modelling, 2016, 319, 178-189.	1.2	72

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19	Database-driven models of the world's Large Marine Ecosystems. Ecological Modelling, 2009, 220, 1984-1996.	1.2	71
20	The global ocean is an ecosystem: simulating marine life and fisheries. Global Ecology and Biogeography, 2015, 24, 507-517.	2.7	68
21	Exploring effects of hypoxia on fish and fisheries in the northern Gulf of Mexico using a dynamic spatially explicit ecosystem model. Ecological Modelling, 2016, 331, 142-150.	1.2	67
22	Modelling the cumulative spatialâ€“temporal effects of environmental drivers and fishing in a NW Mediterranean marine ecosystem. Ecological Modelling, 2016, 331, 100-114.	1.2	64
23	Ecosampler: A new approach to assessing parameter uncertainty in Ecopath with Ecosim. SoftwareX, 2018, 7, 198-204.	1.2	63
24	Hindcasting the dynamics of an Eastern Mediterranean marine ecosystem under the impacts of multiple stressors. Marine Ecology - Progress Series, 2017, 580, 17-36.	0.9	58
25	A Stepwise Fitting Procedure for automated fitting of Ecopath with Ecosim models. SoftwareX, 2016, 5, 25-30.	1.2	57
26	Modelling the Mediterranean marine ecosystem as a whole: addressing the challenge of complexity. Marine Ecology - Progress Series, 2015, 533, 47-65.	0.9	57
27	Standardized ecological indicators to assess aquatic food webs: The ECOIND software plug-in for Ecopath with Ecosim models. Environmental Modelling and Software, 2017, 89, 120-130.	1.9	56
28	Using ecosystem modeling to evaluate trade-offs in coastal management: Effects of large-scale river diversions on fish and fisheries. Ecological Modelling, 2017, 360, 14-26.	1.2	51
29	Biodiversity data requirements for systematic conservation planning in the Mediterranean Sea. Marine Ecology - Progress Series, 2014, 508, 261-281.	0.9	51
30	Spatial optimization of protected area placement incorporating ecological, social and economical criteria. Ecological Modelling, 2009, 220, 2583-2593.	1.2	49
31	Current and Future Influence of Environmental Factors on Small Pelagic Fish Distributions in the Northwestern Mediterranean Sea. Frontiers in Marine Science, 2020, 7, .	1.2	47
32	The Ocean Decade: A True Ecosystem Modeling Challenge. Frontiers in Marine Science, 2020, 7, .	1.2	46
33	A combined ecosystem and value chain modeling approach for evaluating societal cost and benefit of fishing. Ecological Modelling, 2011, 222, 857-864.	1.2	45
34	Advancing Global Ecological Modeling Capabilities to Simulate Future Trajectories of Change in Marine Ecosystems. Frontiers in Marine Science, 2020, 7, .	1.2	43
35	Disentangling diverse responses to climate change among global marine ecosystem models. Progress in Oceanography, 2021, 198, 102659.	1.5	42
36	Reducing eutrophication increases spatial extent of communities supporting commercial fisheries: a model case study. ICES Journal of Marine Science, 2018, 75, 1306-1317.	1.2	36

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37	â€˜Lowâ€hanging fruitâ€™ for conservation of marine vertebrate species at risk in the <scp>M</scp>editerranean <scp>S</scp>ea. Global Ecology and Biogeography, 2015, 24, 226-239.	2.7	30
38	Making spatial-temporal marine ecosystem modelling better â€“ A perspective. Environmental Modelling and Software, 2021, 145, 105209.	1.9	26
39	SOS small pelagics: A safe operating space for small pelagic fish in the western Mediterranean Sea. Science of the Total Environment, 2021, 756, 144002.	3.9	23
40	Current status, advancements and development needs of geospatial decision support tools for marine spatial planning in European seas. Ocean and Coastal Management, 2021, 209, 105644.	2.0	21
41	Employing ecosystem models and geographic information systems (GIS) to investigate the response of changing marsh edge on historical biomass of estuarine nekton in Barataria Bay, Louisiana, USA. Ecological Modelling, 2016, 331, 129-141.	1.2	20
42	Combining ecosystem modeling with serious gaming in support of transboundary maritime spatial planning. Ecology and Society, 2020, 25, .	1.0	20
43	Effects of Nutrient Management Scenarios on Marine Food Webs: A Pan-European Assessment in Support of the Marine Strategy Framework Directive. Frontiers in Marine Science, 2021, 8, .	1.2	20
44	Advancing marine conservation planning in the Mediterranean Sea. Reviews in Fish Biology and Fisheries, 2012, 22, 943-949.	2.4	19
45	Changes in Life History Traits of Small Pelagic Fish in the Western Mediterranean Sea. Frontiers in Marine Science, 2021, 8, .	1.2	18
46	Following the Fish: The Role of Subsistence in a Fish-based Value Chain. Ecological Economics, 2019, 159, 326-334.	2.9	17
47	Modelling marine trophic transfer of radiocarbon (14C) from a nuclear facility. Environmental Modelling and Software, 2018, 102, 138-154.	1.9	16
48	Insights on integrating habitat preferences in process-oriented ecological models â€“ a case study of the southern North Sea. Ecological Modelling, 2020, 431, 109189.	1.2	15
49	The effects of marine protected areas on ecosystem recovery and fisheries using a comparative modelling approach. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 1885-1901.	0.9	13
50	An Ecopath with Ecosim model for the Pacific coast of eastern Japan: Describing the marine environment and its fisheries prior to the Great East Japan earthquake. Ecological Modelling, 2020, 428, 109087.	1.2	12
51	Discard ban: A simulation-based approach combining hierarchical Bayesian and food web spatial models. Marine Policy, 2020, 116, 103703.	1.5	8
52	Current and potential contributions of the Gulf of Lion Fisheries Restricted Area to fisheries sustainability in the NW Mediterranean Sea. Marine Policy, 2021, 123, 104296.	1.5	7
53	Using Gaming Technology to Explore and Visualize Management Impacts on Marine Ecosystems. Frontiers in Marine Science, 2021, 8, .	1.2	6
54	Overfishing species on the move may burden seafood provision in the low-latitude Atlantic Ocean. Science of the Total Environment, 2022, 836, 155480.	3.9	6

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55	A novel approach to explicitly model the spatiotemporal impacts of structural complexity created by alien ecosystem engineers in a marine benthic environment. Ecological Modelling, 2021, 459, 109731.	1.2	5
56	Human Activities Help Alien Species to Invade the Mediterranean Sea. Frontiers for Young Minds, 0, 7, .	0.8	3
57	Evaluation of the effects on rockfish and kelp artisanal fisheries of the proposed Mejillones Peninsula marine protected area (northern Chile, SE Pacific coast). Ecological Modelling, 2015, 297, 141-153.	1.2	2
58	Using Ecosystem Modeling to Determine Hypoxia Effects on Fish and Fisheries. , 2017, , 377-400.		2
59	Food-Web Modeling in the Maritime Spatial Planning Challenge Simulation Platform: Results from the Baltic Sea Region. Lecture Notes in Computer Science, 2021, , 290-305.	1.0	1
60	New, flexible and open-source fisheries self-reporting app: The Shiny4SelfReport. SoftwareX, 2021, 16, 100843.	1.2	1