

Manuel Barange

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3117455/publications.pdf>

Version: 2024-02-01

75
papers

6,204
citations

87888

38
h-index

71685

76
g-index

87
all docs

87
docs citations

87
times ranked

7313
citing authors

#	ARTICLE	IF	CITATIONS
1	Feeding 9 billion by 2050 – Putting fish back on the menu. <i>Food Security</i> , 2015, 7, 261-274.	5.3	569
2	Impacts of climate change on marine ecosystem production in societies dependent on fisheries. <i>Nature Climate Change</i> , 2014, 4, 211-216.	18.8	434
3	Climate Variability, Fish, and Fisheries. <i>Journal of Climate</i> , 2006, 19, 5009-5030.	3.2	364
4	Global ensemble projections reveal trophic amplification of ocean biomass declines with climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12907-12912.	7.1	357
5	Regime shifts in marine ecosystems: detection, prediction and management. <i>Trends in Ecology and Evolution</i> , 2008, 23, 402-409.	8.7	339
6	Can marine fisheries and aquaculture meet fish demand from a growing human population in a changing climate?. <i>Global Environmental Change</i> , 2012, 22, 795-806.	7.8	322
7	Potential consequences of climate change for primary production and fish production in large marine ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 2979-2989.	4.0	321
8	Projected impacts of climate change on marine fish and fisheries. <i>ICES Journal of Marine Science</i> , 2013, 70, 1023-1037.	2.5	230
9	End-to-End Models for the Analysis of Marine Ecosystems: Challenges, Issues, and Next Steps. <i>Marine and Coastal Fisheries</i> , 2010, 2, 115-130.	1.4	202
10	Scaling up experimental ocean acidification and warming research: from individuals to the ecosystem. <i>Global Change Biology</i> , 2015, 21, 130-143.	9.5	148
11	Uncertainties in projecting climate-change impacts in marine ecosystems. <i>ICES Journal of Marine Science</i> , 2016, 73, 1272-1282.	2.5	126
12	A protocol for the intercomparison of marine fishery and ecosystem models: Fish-MIP v1.0. <i>Geoscientific Model Development</i> , 2018, 11, 1421-1442.	3.6	116
13	Habitat expansion and contraction in anchovy and sardine populations. <i>Progress in Oceanography</i> , 2009, 83, 251-260.	3.2	115
14	Modelling the effects of climate change on the distribution and production of marine fishes: accounting for trophic interactions in a dynamic bioclimate envelope model. <i>Global Change Biology</i> , 2013, 19, 2596-2607.	9.5	106
15	Marine social-ecological responses to environmental change and the impacts of globalization. <i>Fish and Fisheries</i> , 2011, 12, 427-450.	5.3	103
16	Review of climate change impacts on marine fisheries in the UK and Ireland. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 368-388.	2.0	86
17	Climate change, uncertainty, and resilient fisheries: Institutional responses through integrative science. <i>Progress in Oceanography</i> , 2010, 87, 338-346.	3.2	84
18	Surplus production, variability, and climate change in the great sardine and anchovy fisheries. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 1891-1903.	1.4	81

#	ARTICLE	IF	CITATIONS
19	Species identification of pelagic fish schools on the South African continental shelf using acoustic descriptors and ancillary information. <i>ICES Journal of Marine Science</i> , 2001, 58, 275-287.	2.5	76
20	Evidence of bias in estimates of target strength obtained with a split-beam echo-sounder. <i>ICES Journal of Marine Science</i> , 1995, 52, 139-144.	2.5	70
21	Empirical determination of in situ target strengths of three loosely aggregated pelagic fish species. <i>ICES Journal of Marine Science</i> , 1996, 53, 225-232.	2.5	68
22	Performance of a new phase algorithm for discriminating between single and overlapping echoes in a split-beam echosounder. <i>ICES Journal of Marine Science</i> , 1997, 54, 934-938.	2.5	66
23	Cross-shelf circulation, zonation and maintenance mechanisms of <i>Nyctiphanes capensis</i> and <i>Euphausia hanseni</i> (Euphausiacea) in the northern Benguela upwelling system. <i>Continental Shelf Research</i> , 1992, 12, 1027-1042.	1.8	63
24	The challenge of adapting marine social-ecological systems to the additional stress of climate change. <i>Current Opinion in Environmental Sustainability</i> , 2010, 2, 356-363.	6.3	62
25	Vertical migration and habitat partitioning of six euphausiid species in the northern Benguela upwelling system. <i>Journal of Plankton Research</i> , 1990, 12, 1223-1237.	1.8	60
26	Spatial structure of co-occurring anchovy and sardine populations from acoustic data: implications for survey design. <i>Fisheries Oceanography</i> , 1997, 6, 94-108.	1.7	58
27	Projecting marine fish production and catch potential in Bangladesh in the 21st century under long-term environmental change and management scenarios. <i>ICES Journal of Marine Science</i> , 2016, 73, 1357-1369.	2.5	58
28	Modelling the potential impacts of climate change and human activities on the sustainability of marine resources. <i>Current Opinion in Environmental Sustainability</i> , 2010, 2, 326-333.	6.3	55
29	Impacts of global environmental change and aquaculture expansion on marine ecosystems. <i>Global Environmental Change</i> , 2010, 20, 586-596.	7.8	54
30	Sardine cycles, krill declines, and locust plagues: revisiting "wasp-waist" food webs. <i>Trends in Ecology and Evolution</i> , 2014, 29, 309-316.	8.7	53
31	Estimating the ecological, economic and social impacts of ocean acidification and warming on UK fisheries. <i>Fish and Fisheries</i> , 2017, 18, 389-411.	5.3	53
32	Solutions for ecosystem-level protection of ocean systems under climate change. <i>Global Change Biology</i> , 2016, 22, 3927-3936.	9.5	52
33	Global changes in marine systems: A social-ecological approach. <i>Progress in Oceanography</i> , 2010, 87, 331-337.	3.2	49
34	Needs Assessment for Climate Information on Decadal Timescales and Longer. <i>Procedia Environmental Sciences</i> , 2010, 1, 275-286.	1.4	48
35	Climate variability and change scenarios for a marine commodity: Modelling small pelagic fish, fisheries and fishmeal in a globalized market. <i>Journal of Marine Systems</i> , 2010, 81, 196-205.	2.1	47
36	Refined estimates of South African pelagic fish biomass from hydro-acoustic surveys: quantifying the effects of target strength, signal attenuation and receiver saturation. <i>African Journal of Marine Science</i> , 2008, 30, 205-217.	1.1	40

#	ARTICLE	IF	CITATIONS
37	Strategies of space occupation by anchovy and sardine in the southern Benguela: the role of stock size and intra-species competition. <i>ICES Journal of Marine Science</i> , 2005, 62, 645-654.	2.5	39
38	Diet and feeding of <i>Euphausia hanseni</i> and <i>Nematoscelis megalops</i> (Euphausiacea) in the northern Benguela Current: ecological significance of vertical space partitioning. <i>Marine Ecology - Progress Series</i> , 1991, 73, 173-181.	1.9	38
39	Diel feeding periodicity, daily ration and vertical migration of juvenile Cape hake off the west coast of South Africa. <i>Journal of Fish Biology</i> , 1995, 47, 753-768.	1.6	36
40	Current trends in the assessment and management of stocks. , 2001, , 191-255.		34
41	Biology and fisheries of Hilsa shad in Bay of Bengal. <i>Science of the Total Environment</i> , 2019, 651, 1720-1734.	8.0	34
42	Potential improvements to current methods of recognizing single targets with a split-beam echo-sounder. <i>ICES Journal of Marine Science</i> , 1996, 53, 237-243.	2.5	33
43	Feeding cycles and prey capture in <i>Eudendrium racemosum</i> (Cavolini, 1785). <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 115, 281-293.	1.5	32
44	Diel variability in bottom trawl catches and feeding activity of the Cape hakes off the west coast of South Africa. <i>ICES Journal of Marine Science</i> , 1997, 54, 485-499.	2.5	32
45	Effects of climate change on fish and fisheries: forecasting impacts, assessing ecosystem responses, and evaluating management strategies. <i>ICES Journal of Marine Science</i> , 2011, 68, 984-985.	2.5	32
46	Pelagic community structure of the subtropical convergence region south of Africa and in the mid-Atlantic ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998, 45, 1663-1687.	1.4	30
47	Improving the performance of a Mediterranean demersal fishery toward economic objectives beyond MSY. <i>Fisheries Research</i> , 2015, 161, 131-144.	1.7	27
48	Antarctic krill aggregation characteristics from acoustic observations in the Southwest Atlantic Ocean. <i>Marine Biology</i> , 1993, 117, 171-183.	1.5	26
49	Zoogeography and diversity of euphausiids around southern Africa. <i>Marine Biology</i> , 1995, 123, 257-268.	1.5	26
50	Measurements of three-dimensional fish school velocities with an acoustic Doppler current profiler. <i>Fisheries Research</i> , 2000, 47, 201-214.	1.7	26
51	Ocean planning in a changing climate. <i>Nature Geoscience</i> , 2016, 9, 730-730.	12.9	26
52	Quantitative pathways for Northeast Atlantic fisheries based on climate, ecological and economic and governance modelling scenarios. <i>Ecological Modelling</i> , 2016, 320, 273-291.	2.5	26
53	Vertical migration and feeding of <i>Euphausia lucens</i> (Euphausiacea) in the Southern Benguela. <i>Journal of Plankton Research</i> , 1991, 13, 473-486.	1.8	25
54	Distribution patterns, abundance and population dynamics of the euphausiids <i>Nyctiphanes capensis</i> and <i>Euphausia hanseni</i> in the northern Benguela upwelling system. <i>Marine Biology</i> , 1991, 109, 93-101.	1.5	25

#	ARTICLE	IF	CITATIONS
55	Determination of Composition and Vertical Structure of Fish Communities Using in situ Measurements of Acoustic Target Strength. Canadian Journal of Fisheries and Aquatic Sciences, 1994, 51, 99-109.	1.4	25
56	Influence of trawling on in situ estimates of Cape horse mackerel (<i>Trachurus trachurus capensis</i>) target strength. ICES Journal of Marine Science, 1994, 51, 121-126.	2.5	24
57	Ecosystem science and the sustainable management of marine resources: from Rio to Johannesburg. Frontiers in Ecology and the Environment, 2003, 1, 190-196.	4.0	21
58	Surplus production, variability, and climate change in the great sardine and anchovy fisheries. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 1891-1903.	1.4	21
59	Zooplankton of the northern Benguela region in a quiescent upwelling period. Journal of Plankton Research, 1990, 12, 1023-1044.	1.8	18
60	Prey selection and capture strategies of the benthic hydroid <i>Eudendrium racemosum</i> . Marine Ecology - Progress Series, 1988, 47, 83-88.	1.9	18
61	Interactions between changes in marine ecosystems and human communities. , 2010, , 221-252.		17
62	Models of species abundance: a critique of and an alternative to the dynamics model. Marine Ecology - Progress Series, 1991, 69, 293-298.	1.9	15
63	Avoiding misinterpretation of climate change projections of fish catches. ICES Journal of Marine Science, 2019, 76, 1390-1392.	2.5	14
64	Modelling the sequential geographical exploitation and potential collapse of marine fisheries through economic globalization, climate change and management alternatives. Scientia Marina, 2011, 75, 779-790.	0.6	14
65	Estimating the economic loss of recent North Atlantic fisheries management. Progress in Oceanography, 2014, 129, 314-323.	3.2	13
66	Internal structure of Antarctic krill <i>Euphausia superba</i> swarms based on acoustic observations. Marine Ecology - Progress Series, 1993, 99, 205-213.	1.9	10
67	Marine resources management in the face of change: from ecosystem science to ecosystem-based management. , 2010, , 253-284.		8
68	Variability of particulate organic carbon and nitrogen in the Namibian upwelling system. Marine Biology, 1991, 110, 409-418.	1.5	7
69	Vertical migration, catchability and acoustic assessment of semi-pelagic Cape horse mackerel <i>Trachurus trachurus capensis</i> in the southern Benguela. African Journal of Marine Science, 2005, 27, 459-469.	1.1	7
70	Recent advances in understanding the effects of climate change on the world's oceans. ICES Journal of Marine Science, 2019, 76, 1940-1940.	2.5	7
71	ICES and PICES Strategies for Coordinating Research on the Impacts of Climate Change on Marine Ecosystems. Oceanography, 2014, 27, 160-167.	1.0	3
72	Recent advances in understanding the effects of climate change on the world's oceans. ICES Journal of Marine Science, 2019, , .	2.5	2

#	ARTICLE	IF	CITATIONS
73	ICES International Symposium on Fisheries and Plankton Acoustics. Reviews in Fish Biology and Fisheries, 1995, 5, 457-459.	4.9	1
74	Ecosystem Science and the Sustainable Management of Marine Resources: From Rio to Johannesburg. Frontiers in Ecology and the Environment, 2003, 1, 190.	4.0	1
75	Marine Ecosystems and Fisheries: Trends and Prospects. , 2018, , 469-488.		0