

Manuel Barange

List of Publications by Year in descending order

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75
papers

6,204
citations

87888

38
h-index

71685

76
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87
all docs

87
docs citations

87
times ranked

7313
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in understanding the effects of climate change on the world's oceans. ICES Journal of Marine Science, 2019, , .	2.5	2
2	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
3	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.	7.1	357
4	Avoiding misinterpretation of climate change projections of fish catches. ICES Journal of Marine Science, 2019, 76, 1390-1392.	2.5	14
5	Biology and fisheries of Hilsa shad in Bay of Bengal. Science of the Total Environment, 2019, 651, 1720-1734.	8.0	34
6	A protocol for the intercomparison of marine fishery and ecosystem models: Fish-MIP v1.0. Geoscientific Model Development, 2018, 11, 1421-1442.	3.6	116
7	Marine Ecosystems and Fisheries: Trends and Prospects. , 2018, , 469-488.		0
8	Estimating the ecological, economic and social impacts of ocean acidification and warming on UK fisheries. Fish and Fisheries, 2017, 18, 389-411.	5.3	53
9	Uncertainties in projecting climate-change impacts in marine ecosystems. ICES Journal of Marine Science, 2016, 73, 1272-1282.	2.5	126
10	Ocean planning in a changing climate. Nature Geoscience, 2016, 9, 730-730.	12.9	26
11	Solutions for ecosystem-level protection of ocean systems under climate change. Global Change Biology, 2016, 22, 3927-3936.	9.5	52
12	Projecting marine fish production and catch potential in Bangladesh in the 21st century under long-term environmental change and management scenarios. ICES Journal of Marine Science, 2016, 73, 1357-1369.	2.5	58
13	Quantitative pathways for Northeast Atlantic fisheries based on climate, ecological-economic and governance modelling scenarios. Ecological Modelling, 2016, 320, 273-291.	2.5	26
14	Feeding 9 billion by 2050 – Putting fish back on the menu. Food Security, 2015, 7, 261-274.	5.3	569
15	Scaling up experimental ocean acidification and warming research: from individuals to the ecosystem. Global Change Biology, 2015, 21, 130-143.	9.5	148
16	Improving the performance of a Mediterranean demersal fishery toward economic objectives beyond MSY. Fisheries Research, 2015, 161, 131-144.	1.7	27
17	ICES and PICES Strategies for Coordinating Research on the Impacts of Climate Change on Marine Ecosystems. Oceanography, 2014, 27, 160-167.	1.0	3
18	Sardine cycles, krill declines, and locust plagues: revisiting wasp-waist food webs. Trends in Ecology and Evolution, 2014, 29, 309-316.	8.7	53

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19	Estimating the economic loss of recent North Atlantic fisheries management. <i>Progress in Oceanography</i> , 2014, 129, 314-323.	3.2	13
20	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
21	Projected impacts of climate change on marine fish and fisheries. <i>ICES Journal of Marine Science</i> , 2013, 70, 1023-1037.	2.5	230
22	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
23	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
24	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
25	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
26	Marine social-ecological responses to environmental change and the impacts of globalization. <i>Fish and Fisheries</i> , 2011, 12, 427-450.	5.3	103
27	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
28	Modelling the sequential geographical exploitation and potential collapse of marine fisheries through economic globalization, climate change and management alternatives. <i>Scientia Marina</i> , 2011, 75, 779-790.	0.6	14
29	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
30	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
31	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
32	Global changes in marine systems: A social-ecological approach. <i>Progress in Oceanography</i> , 2010, 87, 331-337.	3.2	49
33	Climate change, uncertainty, and resilient fisheries: Institutional responses through integrative science. <i>Progress in Oceanography</i> , 2010, 87, 338-346.	3.2	84
34	Impacts of global environmental change and aquaculture expansion on marine ecosystems. <i>Global Environmental Change</i> , 2010, 20, 586-596.	7.8	54
35	Needs Assessment for Climate Information on Decadal Timescales and Longer. <i>Procedia Environmental Sciences</i> , 2010, 1, 275-286.	1.4	48
36	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

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37	Interactions between changes in marine ecosystems and human communities. , 2010, , 221-252.		17
38	Marine resources management in the face of change: from ecosystem science to ecosystem-based management. , 2010, , 253-284.		8
39	Habitat expansion and contraction in anchovy and sardine populations. Progress in Oceanography, 2009, 83, 251-260.	3.2	115
40	Regime shifts in marine ecosystems: detection, prediction and management. Trends in Ecology and Evolution, 2008, 23, 402-409.	8.7	339
41	Refined estimates of South African pelagic fish biomass from hydro-acoustic surveys: quantifying the effects of target strength, signal attenuation and receiver saturation. African Journal of Marine Science, 2008, 30, 205-217.	1.1	40
42	Climate Variability, Fish, and Fisheries. Journal of Climate, 2006, 19, 5009-5030.	3.2	364
43	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
44	Strategies of space occupation by anchovy and sardine in the southern Benguela: the role of stock size and intra-species competition. ICES Journal of Marine Science, 2005, 62, 645-654.	2.5	39
45	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
46	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
47	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	81
48	Species identification of pelagic fish schools on the South African continental shelf using acoustic descriptors and ancillary information. ICES Journal of Marine Science, 2001, 58, 275-287.	2.5	76
49	Current trends in the assessment and management of stocks. , 2001, , 191-255.		34
50	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
51	Measurements of three-dimensional fish school velocities with an acoustic Doppler current profiler. Fisheries Research, 2000, 47, 201-214.	1.7	26
52	Pelagic community structure of the subtropical convergence region south of Africa and in the mid-Atlantic ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 1998, 45, 1663-1687.	1.4	30
53	Performance of a new phase algorithm for discriminating between single and overlapping echoes in a split-beam echosounder. ICES Journal of Marine Science, 1997, 54, 934-938.	2.5	66
54	Diel variability in bottom trawl catches and feeding activity of the Cape hakes off the west coast of South Africa. ICES Journal of Marine Science, 1997, 54, 485-499.	2.5	32

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55	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
56	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
57	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
58	ICES International Symposium on Fisheries and Plankton Acoustics. <i>Reviews in Fish Biology and Fisheries</i> , 1995, 5, 457-459.	4.9	1
59	Zoogeography and diversity of euphausiids around southern Africa. <i>Marine Biology</i> , 1995, 123, 257-268.	1.5	26
60	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
61	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
62	Influence of trawling on in situ estimates of Cape horse mackerel (<i>Trachurus trachurus capensis</i>) target strength. <i>ICES Journal of Marine Science</i> , 1994, 51, 121-126.	2.5	24
63	Determination of Composition and Vertical Structure of Fish Communities Using in situ Measurements of Acoustic Target Strength. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 99-109.	1.4	25
64	Antarctic krill aggregation characteristics from acoustic observations in the Southwest Atlantic Ocean. <i>Marine Biology</i> , 1993, 117, 171-183.	1.5	26
65	Internal structure of Antarctic krill <i>Euphausia superba</i> swarms based on acoustic observations. <i>Marine Ecology - Progress Series</i> , 1993, 99, 205-213.	1.9	10
66	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
67	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
68	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
69	Variability of particulate organic carbon and nitrogen in the Namibian upwelling system. <i>Marine Biology</i> , 1991, 110, 409-418.	1.5	7
70	Models of species abundance: a critique of and an alternative to the dynamics model. <i>Marine Ecology - Progress Series</i> , 1991, 69, 293-298.	1.9	15
71	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
72	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

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73	Zooplankton of the northern Benguela region in a quiescent upwelling period. <i>Journal of Plankton Research</i> , 1990, 12, 1023-1044.	1.8	18
74	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
75	Prey selection and capture strategies of the benthic hydroid <i>Eudendrium racemosum</i> . <i>Marine Ecology - Progress Series</i> , 1988, 47, 83-88.	1.9	18