

Jose A Fernandes

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,575
citations

186209

28
h-index

206029

48
g-index

60
all docs

60
docs citations

60
times ranked

3868
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.3	357
2	Scaling up experimental ocean acidification and warming research: from individuals to the ecosystem. <i>Global Change Biology</i> , 2015, 21, 130-143.	4.2	148
3	Uncertainties in projecting climate-change impacts in marine ecosystems. <i>ICES Journal of Marine Science</i> , 2016, 73, 1272-1282.	1.2	126
4	A protocol for the intercomparison of marine fishery and ecosystem models: Fish-MIP v1.0. <i>Geoscientific Model Development</i> , 2018, 11, 1421-1442.	1.3	116
5	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.	4.2	106
6	Applying the global RCPâ€“SSPâ€“SPA scenario framework at sub-national scale: A multi-scale and participatory scenario approach. <i>Science of the Total Environment</i> , 2018, 635, 659-672.	3.9	98
7	Next-generation ensemble projections reveal higher climate risks for marine ecosystems. <i>Nature Climate Change</i> , 2021, 11, 973-981.	8.1	96
8	Integrated ecologicalâ€“economic fisheries modelsâ€“Evaluation, review and challenges for implementation. <i>Fish and Fisheries</i> , 2018, 19, 1-29.	2.7	87
9	Spring zooplankton distribution in the Bay of Biscay from 1998 to 2006 in relation with anchovy recruitment. <i>Journal of Plankton Research</i> , 2008, 31, 1-17.	0.8	79
10	Predicting the Impact of Climate Change on Threatened Species in UK Waters. <i>PLoS ONE</i> , 2013, 8, e54216.	1.1	78
11	Impacts and responses to environmental change in coastal livelihoods of south-west Bangladesh. <i>Science of the Total Environment</i> , 2018, 637-638, 954-970.	3.9	67
12	Projecting changes in the distribution and productivity of living marine resources: A critical review of the suite of modelling approaches used in the large European project VECTORS. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 201, 40-55.	0.9	65
13	Importance of fisheries for food security across three climate change vulnerable deltas. <i>Science of the Total Environment</i> , 2018, 640-641, 1566-1577.	3.9	63
14	Fish recruitment prediction, using robust supervised classification methods. <i>Ecological Modelling</i> , 2010, 221, 338-352.	1.2	58
15	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.	1.2	58
16	Changing fish distributions challenge the effective management of European fisheries. <i>Ecography</i> , 2020, 43, 494-505.	2.1	58
17	Estimating the ecological, economic and social impacts of ocean acidification and warming on <sc>UK</sc> fisheries. <i>Fish and Fisheries</i> , 2017, 18, 389-411.	2.7	53
18	Spatio-temporal Bayesian network models with latent variables for revealing trophic dynamics and functional networks in fisheries ecology. <i>Ecological Informatics</i> , 2015, 30, 142-158.	2.3	52

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19	Solutions for ecosystem-level protection of ocean systems under climate change. <i>Global Change Biology</i> , 2016, 22, 3927-3936.	4.2	52
20	Disentangling diverse responses to climate change among global marine ecosystem models. <i>Progress in Oceanography</i> , 2021, 198, 102659.	1.5	42
21	Climate change alters fish community size-structure, requiring adaptive policy targets. <i>Fish and Fisheries</i> , 2018, 19, 613-621.	2.7	39
22	Optimizing the number of classes in automated zooplankton classification. <i>Journal of Plankton Research</i> , 2009, 31, 19-29.	0.8	38
23	Conflict analysis and reallocation opportunities in the framework of marine spatial planning: A novel, spatially explicit Bayesian belief network approach for artisanal fishing and aquaculture. <i>Marine Policy</i> , 2018, 94, 119-131.	1.5	38
24	Changes in plankton size structure and composition, during the generation of a phytoplankton bloom, in the central Cantabrian sea. <i>Journal of Plankton Research</i> , 2008, 31, 193-207.	0.8	37
25	Biology and fisheries of Hilsa shad in Bay of Bengal. <i>Science of the Total Environment</i> , 2019, 651, 1720-1734.	3.9	34
26	Bright spots as climate-smart marine spatial planning tools for conservation and blue growth. <i>Global Change Biology</i> , 2021, 27, 5514-5531.	4.2	32
27	Costs and benefits to European shipping of ballast-water and hull-fouling treatment: Impacts of native and non-indigenous species. <i>Marine Policy</i> , 2016, 64, 148-155.	1.5	31
28	Modelling the influence of abiotic and biotic factors on plankton distribution in the Bay of Biscay, during three consecutive years (2004-06). <i>Journal of Plankton Research</i> , 2008, 30, 857-872.	0.8	30
29	Current Status of Forecasting Toxic Harmful Algae for the North-East Atlantic Shellfish Aquaculture Industry. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	30
30	Supervised pre-processing approaches in multiple class variables classification for fish recruitment forecasting. <i>Environmental Modelling and Software</i> , 2013, 40, 245-254.	1.9	29
31	Improving the performance of a Mediterranean demersal fishery toward economic objectives beyond MSY. <i>Fisheries Research</i> , 2015, 161, 131-144.	0.9	27
32	Quantitative pathways for Northeast Atlantic fisheries based on climate, ecological-economic and governance modelling scenarios. <i>Ecological Modelling</i> , 2016, 320, 273-291.	1.2	26
33	The Cost of Reducing the North Atlantic Ocean Biological Carbon Pump. <i>Frontiers in Marine Science</i> , 2017, 3, .	1.2	25
34	Can we project changes in fish abundance and distribution in response to climate?. <i>Global Change Biology</i> , 2020, 26, 3891-3905.	4.2	25
35	Factors determining the distribution and beta diversity of mesozooplankton species in shelf and coastal waters of the Bay of Biscay. <i>Journal of Plankton Research</i> , 2011, 33, 1182-1192.	0.8	20
36	Semi-automated classification method addressing marine strategy framework directive (MSFD) zooplankton indicators. <i>Ecological Indicators</i> , 2016, 71, 398-405.	2.6	20

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37	Climate regime shifts and biodiversity redistribution in the Bay of Biscay. <i>Science of the Total Environment</i> , 2022, 803, 149622.	3.9	20
38	Effects of climate change and management policies on marine fisheries productivity in the north-east coast of India. <i>Science of the Total Environment</i> , 2020, 724, 138082.	3.9	19
39	Evaluating machine-learning techniques for recruitment forecasting of seven North East Atlantic fish species. <i>Ecological Informatics</i> , 2015, 25, 35-42.	2.3	18
40	Evaluation of Reaching the Targets of the Water Framework Directive in the Gulf of Finland. <i>Environmental Science & Technology</i> , 2012, 46, 8220-8228.	4.6	17
41	Detecting the presence-absence of bluefin tuna by automated analysis of medium-range sonars on fishing vessels. <i>PLoS ONE</i> , 2017, 12, e0171382.	1.1	15
42	Improving semiautomated zooplankton classification using an internal control and different imaging devices. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 1-9.	1.0	14
43	Towards a framework for fishing route optimization decision support systems: Review of the state-of-the-art and challenges. <i>Journal of Cleaner Production</i> , 2021, 320, 128661.	4.6	14
44	The potential use of a Gadget model to predict stock responses to climate change in combination with Bayesian networks: the case of Bay of Biscay anchovy. <i>ICES Journal of Marine Science</i> , 2011, 68, 1257-1269.	1.2	13
45	Estimating the economic loss of recent North Atlantic fisheries management. <i>Progress in Oceanography</i> , 2014, 129, 314-323.	1.5	13
46	Fuel consumption of free-swimming school versus FAD strategies in tropical tuna purse seine fishing. <i>Fisheries Research</i> , 2022, 245, 106139.	0.9	13
47	Economic impacts of marine ecological change: Review and recent contributions of the VECTORS project on European marine waters. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 201, 152-163.	0.9	12
48	Identification and measurement of tropical tuna species in purse seiner catches using computer vision and deep learning. <i>Ecological Informatics</i> , 2022, 67, 101495.	2.3	12
49	Beach litter forecasting on the south-eastern coast of the Bay of Biscay: A bayesian networks approach. <i>Continental Shelf Research</i> , 2019, 180, 14-23.	0.9	10
50	Fertilization and connectivity in the Garrucha Canyon (SE-Spain) implications for Marine Spatial Planning. <i>Marine Environmental Research</i> , 2017, 126, 45-68.	1.1	9
51	Early Warning Systems for Shellfish Safety: The Pivotal Role of Computational Science. <i>Lecture Notes in Computer Science</i> , 2019, , 361-375.	1.0	7
52	Aggregated outputs by linear models: An application on marine litter beaching prediction. <i>Information Sciences</i> , 2019, 481, 381-393.	4.0	6
53	Changes of potential catches for North-East Atlantic small pelagic fisheries under climate change scenarios. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	5
54	Integrative Analysis Applying the Delta Dynamic Integrated Emulator Model in South-West Coastal Bangladesh. , 2018, , 525-574.		3

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55	Tuna Fisheries Fuel Consumption Reduction and Safer Operations. , 2021, , 377-388.		1
56	Marine Ecosystems and Fisheries: Trends and Prospects. , 2018, , 469-488.		0