

Christian Mullan

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,115
citations

279487

23
h-index

329751

37
g-index

39
all docs

39
docs citations

39
times ranked

3045
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.6	322
2	A Lagrangian tool for modelling ichthyoplankton dynamics. <i>Environmental Modelling and Software</i> , 2008, 23, 1210-1214.	1.9	299
3	The dynamics of collapse in world fisheries. <i>Fish and Fisheries</i> , 2005, 6, 111-120.	2.7	243
4	Modelling the effect of buoyancy on the transport of anchovy (<i>Engraulis capensis</i>) eggs from spawning to nursery grounds in the southern Benguela: an IBM approach. <i>Fisheries Oceanography</i> , 2003, 12, 170-184.	0.9	102
5	Viability theory for an ecosystem approach to fisheries. <i>ICES Journal of Marine Science</i> , 2005, 62, 577-584.	1.2	91
6	Modelling the transport success of anchovy <i>Engraulis encrasicolus</i> eggs and larvae in the southern Benguela: the effect of spatio-temporal spawning patterns. <i>Marine Ecology - Progress Series</i> , 2003, 250, 247-262.	0.9	84
7	Computer construction of fractal soil structures: Simulation of their hydraulic and shrinkage properties. <i>Water Resources Research</i> , 1995, 31, 2927-2943.	1.7	78
8	From particles to individuals: modelling the early stages of anchovy (<i>Engraulis capensis/encrasicolus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	71
9	Interdecadal variability of anchoveta abundance and overcapacity of the fishery in Peru. <i>Progress in Oceanography</i> , 2008, 79, 401-412.	1.5	70
10	Evolutionary individual-based model for the recruitment of anchovy (<i>Engraulis capensis</i>) in the southern Benguela. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2002, 59, 910-922.	0.7	69
11	Modelling the effects of physical biological interactions and spatial variability in spawning and nursery areas on transport and retention of sardine <i>Sardinops sagax</i> eggs and larvae in the southern Benguela ecosystem. <i>Journal of Marine Systems</i> , 2006, 61, 212-229.	0.9	62
12	Impacts of global environmental change and aquaculture expansion on marine ecosystems. <i>Global Environmental Change</i> , 2010, 20, 586-596.	3.6	54
13	Diurnal variation in fish density estimate during acoustic surveys in relation to spatial distribution and avoidance reaction. <i>Aquatic Living Resources</i> , 1993, 6, 221-234.	0.5	51
14	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.	0.9	47
15	Simulation and quantification of enrichment and retention processes in the southern Benguela upwelling ecosystem. <i>Fisheries Oceanography</i> , 2006, 15, 363-372.	0.9	43
16	Functional group biodiversity in Eastern Boundary Upwelling Ecosystems questions the wasp-waist trophic structure. <i>Progress in Oceanography</i> , 2009, 83, 97-106.	1.5	41
17	Investigating remote synchronous patterns in fisheries. <i>Fisheries Oceanography</i> , 2003, 12, 443-457.	0.9	40
18	Small pelagic fish reproductive strategies in upwelling systems: A natal homing evolutionary model to study environmental constraints. <i>Progress in Oceanography</i> , 2009, 83, 261-269.	1.5	38

#	ARTICLE	IF	CITATIONS
19	MODELING THE GLOBAL FISHMEAL AND FISH OIL MARKETS. <i>Natural Resource Modelling</i> , 2009, 22, 564-609.	0.8	36
20	Building ecological-economic models and scenarios of marine resource systems: Workshop report. <i>Marine Policy</i> , 2014, 43, 382-386.	1.5	28
21	A participatory scenario method to explore the future of marine social-ecological systems. <i>Fish and Fisheries</i> , 2019, 20, 434-451.	2.7	27
22	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
23	The migration game in habitat network: the case of tuna. <i>Theoretical Ecology</i> , 2016, 9, 219-232.	0.4	25
24	Defining yield policies in a viability approach. <i>Ecological Modelling</i> , 2008, 212, 10-15.	1.2	19
25	Integrated modelling of the ecosystem of the Niger river inland delta in Mali. <i>Ecological Modelling</i> , 2003, 164, 83-102.	1.2	17
26	Exploring future scenarios for the global supply chain of tuna. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 140, 251-267.	0.6	16
27	Modelling chance and necessity in natural systems. <i>ICES Journal of Marine Science</i> , 2020, 77, 1573-1588.	1.2	15
28	A minimal model of the variability of marine ecosystems. <i>Fish and Fisheries</i> , 2009, 10, 115-131.	2.7	14
29	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.	0.3	14
30	NEATS: A Network Economics Approach to Trophic Systems. <i>Ecological Modelling</i> , 2009, 220, 3033-3045.	1.2	13
31	Estimating the economic loss of recent North Atlantic fisheries management. <i>Progress in Oceanography</i> , 2014, 129, 314-323.	1.5	13
32	A mathematical derivation of size spectra in fish populations. <i>Comptes Rendus - Biologies</i> , 2004, 327, 245-254.	0.1	12
33	Keeping the big fish: Economic and ecological tradeoffs in size-based fisheries management. <i>Journal of Bioeconomics</i> , 2012, 14, 267-285.	1.5	12
34	Mechanisms affecting recovery in an upwelling food web: The case of the southern Humboldt. <i>Progress in Oceanography</i> , 2009, 83, 404-416.	1.5	6
35	A constraint-based framework to study competition and cooperation in fishing. <i>Fisheries Research</i> , 2018, 203, 74-83.	0.9	6
36	A game theoretical approach to the vertical coexistence of small and big fish. <i>Ecological Modelling</i> , 2012, 240, 41-48.	1.2	5