Morgane Travers-Trolet

List of Publications by Year
in descending order

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43 papers	2,118 citations	257450 24 h-index	265206 42 g-index
43 all docs	43 docs citations	43 times ranked	2716 citing authors

#	Article	IF	Citations
1	Ecosystem oceanography for global change in fisheries. Trends in Ecology and Evolution, 2008, 23, 338-346.	8.7	259
2	Towards end-to-end models for investigating the effects of climate and fishing in marine ecosystems. Progress in Oceanography, 2007, 75, 751-770.	3.2	184
3	Evaluating marine ecosystem health: Case studies of indicators using direct observations and modelling methods. Ecological Indicators, 2013, 24, 353-365.	6.3	135
4	Trophic level-based indicators to track fishing impacts across marine ecosystems. Marine Ecology - Progress Series, 2014, 512, 115-140.	1.9	126
5	Ecological indicators to capture the effects of fishing on biodiversity and conservation status of marine ecosystems. Ecological Indicators, 2016, 60, 947-962.	6.3	120
6	Two-way coupling versus one-way forcing of plankton and fish models to predict ecosystem changes in the Benguela. Ecological Modelling, 2009, 220, 3089-3099.	2.5	89
7	Fishing impact and environmental status in <scp>E</scp>uropean seas: a diagnosis from stock assessments and ecosystem indicators. Fish and Fisheries, 2016, 17, 31-55.	5.3	78
8	Combined Fishing and Climate Forcing in the Southern Benguela Upwelling Ecosystem: An End-to-End Modelling Approach Reveals Dampened Effects. PLoS ONE, 2014, 9, e94286.	2.5	68
9	Risky business: The combined effects of fishing and changes in primary productivity on fish communities. Ecological Modelling, 2018, 368, 265-276.	2.5	67
10	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. Estuarine, Coastal and Shelf Science, 2018, 201, 40-55.	2.1	65
11	Changes in food web structure under scenarios of overfishing in the southern Benguela: Comparison of the Ecosim and OSMOSE modelling approaches. Journal of Marine Systems, 2010, 79, 101-111.	2.1	61
12	An end-to-end coupled model ROMS-N₂P₂Z₂D₂-OSMOSE of the southern Benguela foodweb: parameterisation, calibration and pattern-oriented validation. African Journal of Marine Science, 2014, 36, 11-29.	1.1	60
13	Coupling low and high trophic levels models: Towards a pathways-orientated approach for end-to-end models. Progress in Oceanography, 2010, 84, 105-112.	3.2	57
14	Simulating and testing the sensitivity of ecosystem-based indicators to fishing in the southern Benguela ecosystem. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 943-956.	1.4	53
15	Predation control of zooplankton dynamics: a review of observations and models. ICES Journal of Marine Science, 2014, 71, 254-271.	2.5	53
16	Underestimation of chemical contamination in marine fish muscle tissue can be reduced by considering variable wet:dry weight ratios. Marine Pollution Bulletin, 2017, 123, 279-285.	5.0	52
17	Depth gradient in the resource use of a fish community from a semiâ€enclosed sea. Limnology and Oceanography, 2017, 62, 2213-2226.	3.1	47
18	Reconciling complex system models and fisheries advice: Practical examples and leads. Aquatic Living Resources, 2016, 29, 208.	1.2	46

#	Article	IF	Citations
19	The Ocean Decade: A True Ecosystem Modeling Challenge. Frontiers in Marine Science, 2020, 7, .	2.5	46
20	Relationships among fisheries exploitation, environmental conditions, and ecological indicators across a series of marine ecosystems. Journal of Marine Systems, 2015, 148, 101-111.	2.1	42
21	Trophic structure of the Peruvian marine ecosystem in 2000â€“2006: Insights on the effects of management scenarios for the hake fishery using the IBM trophic model Osmose. Journal of Marine Systems, 2009, 75, 290-304.	2.1	39
22	Regime Shift in an Exploited Fish Community Related to Natural Climate Oscillations. PLoS ONE, 2015, 10, e0129883.	2.5	38
23	Towards the implementation of an integrated ecosystem fleet-based management of European fisheries. Marine Policy, 2012, 36, 1022-1032.	3.2	37
24	Application of an evolutionary algorithm to the inverse parameter estimation of an individual-based model. Ecological Modelling, 2010, 221, 840-849.	2.5	36
25	Evaluating changes in marine communities that provide ecosystem services through comparative assessments of community indicators. Ecosystem Services, 2015, 16, 413-429.	5.4	22
26	Inferring the annual, seasonal, and spatial distributions of marine species from complementary research and commercial vesselsâ€™ catch rates. ICES Journal of Marine Science, 2017, 74, 2415-2426.	2.5	21
27	Identification of the main processes underlying ecosystem functioning in the Eastern English Channel, with a focus on flatfish species, as revealed through the application of the Atlantis end-to-end model. Estuarine, Coastal and Shelf Science, 2018, 201, 208-222.	2.1	21
28	Spatio-temporal variability in fish-induced predation mortality on plankton: A simulation approach using a coupled trophic model of the Benguela ecosystem. Progress in Oceanography, 2010, 84, 118-120.	3.2	20
29	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, .	2.5	20
30	A new application of principal response curves for summarizing abrupt and cyclic shifts of communities over space. Ecosphere, 2017, 8, e02023.	2.2	17
31	Emergence of negative trophic level-size relationships from a size-based, individual-based multispecies fish model. Ecological Modelling, 2019, 410, 108800.	2.5	17
32	Combining multiple data sets to unravel the spatiotemporal dynamics of a data-limited fish stock. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1338-1349.	1.4	17
33	Improving confidence in complex ecosystem models: The sensitivity analysis of an Atlantis ecosystem model. Ecological Modelling, 2020, 431, 109133.	2.5	15
34	Understanding winter distribution and transport pathways of the invasive ctenophore Mnemiopsis leidyi in the North Sea: coupling habitat and dispersal modelling approaches. Biological Invasions, 2015, 17, 2605-2619.	2.4	14
35	Responses of summer phytoplankton biomass to changes in top-down forcing: Insights from comparative modelling. Ecological Modelling, 2018, 376, 54-67.	2.5	14
36	Evidence of a relationship between weight and total length of marine fish in the North-eastern Atlantic Ocean: physiological, spatial and temporal variations. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 617-625.	0.8	14

#	Article	IF	Citations
37	The Risky Decrease of Fishing Reference Points Under Climate Change. Frontiers in Marine Science, 2020, 7, .	2.5	13
38	Plasticity of trophic interactions in fish assemblages results in temporal stability of benthic-pelagic couplings. Marine Environmental Research, 2021, 170, 105412.	2.5	12
39	Improving the interpretation of fishing effort and pressures in mixed fisheries using spatial overlap metrics. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 586-596.	1.4	10
40	Inferences to estimate consumerâ€™s diet using stable isotopes: Insights from a dynamic mixing model. PLoS ONE, 2022, 17, e0263454.	2.5	5
41	Editorial: Managing for the Future: Challenges and Approaches for Disentangling the Relative Roles of Environmental Change and Fishing in Marine Ecosystems. Frontiers in Marine Science, 2021, 8, .	2.5	4
42	The need for a protean fisheries science to address the degradation of exploited aquatic ecosystems. Aquatic Living Resources, 2016, 29, E201.	1.2	3
43	From Data to End-to-End Models: 15 Years of Research to Describe the Dynamics of Exploited Marine Ecosystems in the Eastern Channel. , 2015, , 169-173.		1