Mathieu Woillez

List of Publications by Year
in descending order

23 papers	539 citations	687363 13 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	830 citing authors

#	Article	IF	Citations
1	Climate‐induced changes in the suitable habitat of cold‐water corals and commercially important deep‐sea fishes in the North Atlantic. Global Change Biology, 2020, 26, 2181-2202.	9.5	109
2	Notes on survey-based spatial indicators for monitoring fish populations. Aquatic Living Resources, 2009, 22, 155-164.	1.2	87
3	Towards an ecosystem approach to fisheries management (EAFM) when trawl surveys provide the main source of information. Aquatic Living Resources, 2009, 22, 243-254.	1.2	34
4	Optimizing the design of acoustic surveys of Peruvian anchoveta. ICES Journal of Marine Science, 2009, 66, 1341-1348.	2.5	30
5	Evaluating the uncertainty of abundance estimates from acoustic surveys using geostatistical simulations. ICES Journal of Marine Science, 2009, 66, 1377-1383.	2.5	27
6	New insights into behavioural ecology of European seabass off the West Coast of France: implications at local and population scales. ICES Journal of Marine Science, 2019, 76, 501-515.	2.5	27
7	Interannual Changes in Biomass Affect the Spatial Aggregations of Anchovy and Sardine as Evidenced by Geostatistical and Spatial Indicators. PLoS ONE, 2015, 10, e0135808.	2.5	26
8	A HMM-based model to geolocate pelagic fish from high-resolution individual temperature and depth histories: European sea bass as a case study. Ecological Modelling, 2016, 321, 10-22.	2.5	26
9	Modelling the variability in fish spatial distributions over time with empirical orthogonal functions: anchovy in the Bay of Biscay. ICES Journal of Marine Science, 2014, 71, 2379-2389.	2.5	25
10	Using min/max autocorrelation factors of survey-based indicators to follow the evolution of fish stocks in time. Aquatic Living Resources, 2009, 22, 193-200.	1.2	22
11	Combining scientific survey and commercial catch data to map fish distribution. ICES Journal of Marine Science, 2022, 79, 1133-1149.	2.5	20
12	Characterising Essential Fish Habitat using spatio‐temporal analysis of fishery data: A case study of the European seabass spawning areas. Fisheries Oceanography, 2021, 30, 413-428.	1.7	18
13	Bayesian posterior prediction of the patchy spatial distributions of small pelagic fish in regions of suitable habitat. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 290-303.	1.4	15
14	Coupling spectral analysis and hidden Markov models for the segmentation of behavioural patterns. Movement Ecology, 2017, 5, 20.	2.8	14
15	Comparison of individual-based model output to data using a model of walleye pollock early life history in the Gulf of Alaska. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 132, 240-262.	1.4	13
16	A Geostatistical Definition of Hotspots for Fish Spatial Distributions. Mathematical Geosciences, 2016, 48, 65-77.	2.4	8
17	Contribution of a bioenergetics model to investigate the growth and survival of European seabass in the Bay of Biscay â€" English Channel area. Ecological Modelling, 2020, 423, 109007.	2.5	8
18	Statistical monitoring of spatial patterns of environmental indices for integrated ecosystem assessment: Application to the Bay of Biscay pelagic zone. Progress in Oceanography, 2010, 87, 83-93.	3.2	7

#	Article	IF	Citations
19	Is speed through water a better proxy for fishing activities than speed over ground?. Aquatic Living Resources, 2016, 29, 210.	1.2	7
20	Evaluating total uncertainty for biomass- and abundance-at-age estimates from eastern Bering Sea walleye pollock acoustic-trawl surveys. ICES Journal of Marine Science, 2016, 73, 2208-2226.	2.5	6
21	Indicator-Based Geostatistical Models For Mapping Fish Survey Data. Mathematical Geosciences, 2018, 50, 187-208.	2.4	5
22	Analysing Temporal Variability in Spatial Distributions Using Min–Max Autocorrelation Factors: Sardine Eggs in the Bay of Biscay. Mathematical Geosciences, 2020, 52, 337-354.	2.4	4
23	Estimating abundance indices of juvenile fish in estuaries using Geostatistics: An example of European sea bass (Dicentrarchus labrax). Estuarine, Coastal and Shelf Science, 2022, 269, 107799.	2.1	1