

Francois Bastardie

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,698
citations

186265

28
h-index

189892

50
g-index

64
all docs

64
docs citations

64
times ranked

2812
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing the Fuel Use Intensity of Fisheries: Through Efficient Fishing Techniques and Recovered Fish Stocks. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	15
2	Fishery spatial plans and effort displacement in the eastern Ionian Sea: A bioeconomic modelling. <i>Ocean and Coastal Management</i> , 2021, 203, 105456.	4.4	9
3	A Review Characterizing 25 Ecosystem Challenges to Be Addressed by an Ecosystem Approach to Fisheries Management in Europe. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	23
4	Reverse the declining course: A risk assessment for marine and fisheries policy strategies in Europe from current knowledge synthesis. <i>Marine Policy</i> , 2021, 126, 104409.	3.2	7
5	Mesoscale productivity fronts and local fishing opportunities in the European Seas. <i>Fish and Fisheries</i> , 2021, 22, 1227.	5.3	11
6	Integrated ecosystem impacts of climate change and eutrophication on main Baltic fishery resources. <i>Ecological Modelling</i> , 2021, 453, 109609.	2.5	14
7	Potential for Mesopelagic Fishery Compared to Economy and Fisheries Dynamics in Current Large Scale Danish Pelagic Fishery. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	10
8	Bridging the gap between commercial fisheries and survey data to model the spatiotemporal dynamics of marine species. <i>Ecological Applications</i> , 2021, 31, e02453.	3.8	27
9	Using large benthic macrofauna to refine and improve ecological indicators of bottom trawling disturbance. <i>Ecological Indicators</i> , 2020, 110, 105811.	6.3	21
10	The value of commercial fish size distribution recorded at haul by haul compared to trip by trip. <i>ICES Journal of Marine Science</i> , 2020, 77, 2729-2740.	2.5	3
11	Reducing fisheries impacts on the seafloor: A bio-economic evaluation of policy strategies for improving sustainability in the Baltic Sea. <i>Fisheries Research</i> , 2020, 230, 105681.	1.7	14
12	Different bottom trawl fisheries have a differential impact on the status of the North Sea seafloor habitats. <i>ICES Journal of Marine Science</i> , 2020, 77, 1772-1786.	2.5	31
13	Classifying grey seal behaviour in relation to environmental variability and commercial fishing activity - a multivariate hidden Markov model. <i>Scientific Reports</i> , 2019, 9, 5642.	3.3	36
14	Sustainability Impact Assessment (SIA) in fisheries: Implementation in EU fishing regions. <i>Marine Policy</i> , 2019, 101, 63-79.	3.2	11
15	Opening of the Norway pout box: will it change the ecological impacts of the North Sea Norway pout fishery?. <i>ICES Journal of Marine Science</i> , 2019, 76, 136-152.	2.5	6
16	Integration of fisheries into marine spatial planning: Quo vadis?. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 201, 105-113.	2.1	56
17	Integrated ecologicalâ€œeconomic fisheries modelsâ€œ Evaluation, review and challenges for implementation. <i>Fish and Fisheries</i> , 2018, 19, 1-29.	5.3	87
18	Individual transferable quotas, does one size fit all? Sustainability analysis of an alternative model for quota allocation in a small-scale coastal fishery. <i>Marine Policy</i> , 2018, 88, 23-31.	3.2	11

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19	Bottom trawl fishing footprints on the world's continental shelves. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10275-E10282.	7.1	189
20	The Baltic Sea Atlantis: An integrated end-to-end modelling framework evaluating ecosystem-wide effects of human-induced pressures. PLoS ONE, 2018, 13, e0199168.	2.5	30
21	Effects of chronic bottom trawling on soft-seafloor macrofauna in the Kattegat. Marine Ecology - Progress Series, 2018, 586, 41-55.	1.9	36
22	Differences in biological traits composition of benthic assemblages between unimpacted habitats. Marine Environmental Research, 2017, 126, 1-13.	2.5	58
23	Predicting the population-level impact of mitigating harbor porpoise bycatch with pingers and time-area fishing closures. Ecosphere, 2017, 8, e01785.	2.2	30
24	Spatial planning for fisheries in the Northern Adriatic: working toward viable and sustainable fishing. Ecosphere, 2017, 8, e01696.	2.2	51
25	The footprint of bottom trawling in European waters: distribution, intensity, and seabed integrity. ICES Journal of Marine Science, 2017, 74, 847-865.	2.5	211
26	Lost in translation? Multi-metric macrobenthos indicators and bottom trawling. Ecological Indicators, 2017, 82, 260-270.	6.3	23
27	Stable isotopes reveal the effect of trawl fisheries on the diet of commercially exploited species. Scientific Reports, 2017, 7, 6334.	3.3	26
28	New policies may call for new approaches: the case of the Swedish Norway lobster (Nephrops) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.5	18
29	Effects of changes in stock productivity and mixing on sustainable fishing and economic viability. ICES Journal of Marine Science, 2017, 74, 535-551.	2.5	12
30	A correction to "Estimating seabed pressure from demersal trawls, seines and dredges based on gear design and dimensions". ICES Journal of Marine Science, 2016, 73, 2420-2423.	2.5	15
31	Bottom trawling affects fish condition through changes in the ratio of prey availability to density of competitors. Journal of Applied Ecology, 2016, 53, 1500-1510.	4.0	32
32	Co-location of passive gear fisheries in offshore wind farms in the German EEZ of the North Sea: A first socio-economic scoping. Journal of Environmental Management, 2016, 183, 794-805.	7.8	31
33	Estimating seabed pressure from demersal trawls, seines, and dredges based on gear design and dimensions. ICES Journal of Marine Science, 2016, 73, i27-i43.	2.5	158
34	Towards a framework for the quantitative assessment of trawling impact on the seabed and benthic ecosystem. ICES Journal of Marine Science, 2016, 73, i127-i138.	2.5	70
35	Competition for marine space: modelling the Baltic Sea fisheries and effort displacement under spatial restrictions. ICES Journal of Marine Science, 2015, 72, 824-840.	2.5	42
36	A Statistical Model for Estimation of Fish Density Including Correlation in Size, Space, Time and between Species from Research Survey Data. PLoS ONE, 2014, 9, e99151.	2.5	25

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37	Impact of deep-sea fishery for Greenland halibut (<i>Reinhardtius hippoglossoides</i>) on non-commercial fish species off West Greenland. <i>ICES Journal of Marine Science</i> , 2014, 71, 845-852.	2.5	10
38	DISPLACE: a dynamic, individual-based model for spatial fishing planning and effort displacement integrating underlying fish population models. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 366-386.	1.4	69
39	Impact assessment of a fisheries closure with effort and landings spatial analyses: A case study in the Western Baltic Sea. <i>Fisheries Research</i> , 2014, 157, 170-179.	1.7	8
40	Integrating individual trip planning in energy efficiency – Building decision tree models for Danish fisheries. <i>Fisheries Research</i> , 2013, 143, 119-130.	1.7	38
41	Localisation of Nursery Areas Based on Comparative Analyses of the Horizontal and Vertical Distribution Patterns of Juvenile Baltic Cod (<i>Gadus morhua</i>). <i>PLoS ONE</i> , 2013, 8, e70668.	2.5	14
42	Regional mÃ©tier definition: a comparative investigation of statistical methods using a workflow applied to international otter trawl fisheries in the North Sea. <i>ICES Journal of Marine Science</i> , 2012, 69, 331-342.	2.5	69
43	Do Norway pout (<i>Trisopterus esmarkii</i>) die from spawning stress? Mortality of Norway pout in relation to growth, sexual maturity, and density in the North Sea, Skagerrak, and Kattegat. <i>ICES Journal of Marine Science</i> , 2012, 69, 197-207.	2.5	14
44	VMStools: Open-source software for the processing, analysis and visualisation of fisheries logbook and VMS data. <i>Fisheries Research</i> , 2012, 115-116, 31-43.	1.7	149
45	Challenges and opportunities for fleet- and mÃ©tier-based approaches for fisheries management under the European Common Fishery Policy. <i>Ocean and Coastal Management</i> , 2012, 70, 38-47.	4.4	57
46	The eastern Baltic cod fishery: a fleet-based management strategy evaluation framework to assess the cod recovery plan of 2008. <i>ICES Journal of Marine Science</i> , 2010, 67, 71-86.	2.5	29
47	Stock-based vs. fleet-based evaluation of the multi-annual management plan for the cod stocks in the Baltic Sea. <i>Fisheries Research</i> , 2010, 101, 188-202.	1.7	26
48	Detailed mapping of fishing effort and landings by coupling fishing logbooks with satellite-recorded vessel geo-location. <i>Fisheries Research</i> , 2010, 106, 41-53.	1.7	118
49	Effects of fishing effort allocation scenarios on energy efficiency and profitability: An individual-based model applied to Danish fisheries. <i>Fisheries Research</i> , 2010, 106, 501-516.	1.7	69
50	A model-based evaluation of Marine Protected Areas: the example of eastern Baltic cod (<i>Gadus morhua</i>) Tj ETQq0 0,0,rgBT /Overlock 10	2.5	26
51	Evaluating Biological Robustness of Innovative Management Alternatives. , 2009, , 119-142.		0
52	Root Functional Architecture: A Framework for Modeling the Interplay between Roots and Soil. <i>Vadose Zone Journal</i> , 2007, 6, 269-281.	2.2	166
53	Sublethal effects of imidacloprid on the burrowing behaviour of two earthworm species: Modifications of the 3D burrow systems in artificial cores and consequences on gas diffusion in soil. <i>Soil Biology and Biochemistry</i> , 2006, 38, 285-293.	8.8	71
54	Assessment of earthworm contribution to soil hydrology: a laboratory method to measure water diffusion through burrow walls. <i>Biology and Fertility of Soils</i> , 2005, 41, 124-128.	4.3	35

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55	A radio-labelled study of earthworm behaviour in artificial soil cores in term of ecological types. <i>Biology and Fertility of Soils</i> , 2005, 41, 320-327.	4.3	34
56	3D characterisation of earthworm burrow systems in natural soil cores collected from a 12-year-old pasture. <i>Applied Soil Ecology</i> , 2005, 30, 34-46.	4.3	62
57	Burrowing behaviour of radio-labelled earthworms revealed by analysis of 3D-trajectories in artificial soil cores. <i>Pedobiologia</i> , 2003, 47, 554-559.	1.2	3
58	X-ray tomographic and hydraulic characterization of burrowing by three earthworm species in repacked soil cores. <i>Applied Soil Ecology</i> , 2003, 24, 3-16.	4.3	130
59	A new simulation for modelling the topology of earthworm burrow systems and their effects on macropore flow in experimental soils. <i>Biology and Fertility of Soils</i> , 2002, 36, 161-169.	4.3	40
60	Studying boundary effects on animal movement in heterogeneous landscapes: the case of <i>Abax ater</i> (Coleoptera: Carabidae) in hedgerow network landscapes. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 2001, 324, 1029-1035.	0.8	10