

Verena M Trenkel

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,557
citations

236612

25
h-index

223531

46
g-index

86
all docs

86
docs citations

86
times ranked

2916
citing authors

#	ARTICLE	IF	CITATIONS
1	Close-kin mark-recapture abundance estimation: practical insights and lessons learned. <i>ICES Journal of Marine Science</i> , 2022, 79, 413-422.	1.2	21
2	Contrasted spatio-temporal changes in the demersal fish assemblages and the dominance of the environment vs fishing pressure, in the Bay of Biscay and Celtic Sea. <i>Progress in Oceanography</i> , 2022, 204, 102788.	1.5	6
3	Disentangling the components of coastal fish biodiversity in southern Brittany by applying an environmental DNA approach. <i>Environmental DNA</i> , 2022, 4, 920-939.	3.1	6
4	Considerations for management strategy evaluation for small pelagic fishes. <i>Fish and Fisheries</i> , 2021, 22, 1167-1186.	2.7	21
5	Effects of ignoring survey design information for data reuse. <i>Ecological Applications</i> , 2021, 31, e02360.	1.8	9
6	Physiological biomarkers and fisheries management. <i>Reviews in Fish Biology and Fisheries</i> , 2021, 31, 797-819.	2.4	17
7	Interpretation of interannual variability in long-term aquatic ecological surveys. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 894-903.	0.7	8
8	Methods for identifying and interpreting sex-linked SNP markers and carrying out sex assignment: application to thornback ray (<i>Raja clavata</i>). <i>Molecular Ecology Resources</i> , 2020, 20, 1610-1619.	2.2	7
9	Comparison of approaches for incorporating depredation on fisheries catches into Ecopath. <i>ICES Journal of Marine Science</i> , 2020, 77, 3153-3167.	1.2	8
10	Estimating effective population size using RADseq: Effects of SNP selection and sample size. <i>Ecology and Evolution</i> , 2020, 10, 1929-1937.	0.8	43
11	Determining long-term changes in a skate assemblage with aggregated landings and limited species data. <i>Fisheries Management and Ecology</i> , 2019, 26, 365-373.	1.0	4
12	Estimating effective population size of large marine populations, is it feasible?. <i>Fish and Fisheries</i> , 2019, 20, 189-198.	2.7	51
13	Functional group based marine ecosystem assessment for the Bay of Biscay via elasticity analysis. <i>PeerJ</i> , 2019, 7, e7422.	0.9	3
14	How to provide scientific advice for ecosystem-based management now. <i>Fish and Fisheries</i> , 2018, 19, 390-398.	2.7	9
15	Insights from genetic and demographic connectivity for the management of rays and skates. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 1291-1302.	0.7	15
16	Utility of mixed effects models to inform the stock structure of whiting in the Northeast Atlantic Ocean. <i>Fisheries Research</i> , 2017, 190, 132-139.	0.9	6
17	Pelagic habitat: exploring the concept of good environmental status. <i>ICES Journal of Marine Science</i> , 2017, 74, 2333-2341.	1.2	13
18	Changes in Brain Monoamines Underlie Behavioural Disruptions after Zebrafish Diet Exposure to Polycyclic Aromatic Hydrocarbons Environmental Mixtures. <i>International Journal of Molecular Sciences</i> , 2017, 18, 560.	1.8	22

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19	Extinction Debt and Colonizer Credit on a Habitat Perturbed Fishing Bank. PLoS ONE, 2016, 11, e0166409.	1.1	6
20	Observing the ocean interior in support of integrated management. ICES Journal of Marine Science, 2016, 73, 1947-1954.	1.2	6
21	A Bayesian state-space model to estimate population biomass with catch and limited survey data: application to the thornback ray (<i>Raja clavata</i>) in the Bay of Biscay. Aquatic Living Resources, 2016, 29, 209.	0.5	9
22	Identifying blue whiting (<i>Micromesistius poutassou</i>) stock structure in the Northeast Atlantic by otolith shape analysis. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1363-1371.	0.7	24
23	Effects of density dependence, zooplankton and temperature on blue whiting <i>Micromesistius poutassou</i> growth. Journal of Fish Biology, 2015, 87, 1019-1030.	0.7	9
24	Characterizing catches taken by different gears as a step towards evaluating fishing pressure on fish communities. Fisheries Research, 2015, 164, 238-248.	0.9	22
25	Identifying marine pelagic ecosystem management objectives and indicators. Marine Policy, 2015, 55, 23-32.	1.5	15
26	A framework for evaluating management plans comprehensively. Fish and Fisheries, 2015, 16, 310-328.	2.7	4
27	Indicators for Ecosystem-Based Management: Methods and Applications. , 2015, , 215-221.		3
28	Statistical ecology comes of age. Biology Letters, 2014, 10, 20140698.	1.0	40
29	Forage Fish Interactions: a symposium on "Creating the tools for ecosystem-based management of marine resources". ICES Journal of Marine Science, 2014, 71, 1-4.	1.2	38
30	Estimating the economic loss of recent North Atlantic fisheries management. Progress in Oceanography, 2014, 129, 314-323.	1.5	13
31	Combining quantitative and qualitative models to identify functional groups for monitoring changes in the Bay of Biscay continental shelf exploited foodweb. ICES Journal of Marine Science, 2014, 71, 105-117.	1.2	10
32	Hazard warning: model misuse ahead. ICES Journal of Marine Science, 2014, 71, 2300-2306.	1.2	50
33	Evaluating the potential impact of fishing on demersal species in the Bay of Biscay using simulations and survey data. Fisheries Research, 2014, 157, 86-95.	0.9	9
34	Space-time modelling of blue ling for fisheries stock management. Environmetrics, 2013, 24, 109-119.	0.6	55
35	Modelling the fishing costs of French commercial vessels in the Bay of Biscay. Fisheries Research, 2013, 146, 74-85.	0.9	24
36	The relative importance of environmental stochasticity, interspecific interactions, and observation error: Insights from sardine and anchovy landings. Journal of Marine Systems, 2013, 125, 77-89.	0.9	11

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37	A fisheries acoustic multi-frequency indicator to inform on large scale spatial patterns of aquatic pelagic ecosystems. <i>Ecological Indicators</i> , 2013, 30, 72-79.	2.6	24
38	Testing CPUE-derived spatial occupancy as an indicator for stock abundance: application to deep-sea stocks. <i>Aquatic Living Resources</i> , 2013, 26, 319-332.	0.5	9
39	How Do Fishing and Environmental Effects Propagate Among and Within Functional Groups?. <i>Bulletin of Marine Science</i> , 2013, 89, 285-315.	0.4	18
40	Interannual Variability of Fisheries Economic Returns and Energy Ratios Is Mostly Explained by Gear Type. <i>PLoS ONE</i> , 2013, 8, e70165.	1.1	11
41	Redundancy in metrics describing the composition, structure, and functioning of the North Sea demersal fish community. <i>ICES Journal of Marine Science</i> , 2012, 69, 8-22.	1.2	28
42	A random effects population dynamics model based on proportions-at-age and removal data for estimating total mortality. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 1881-1893.	0.7	6
43	Estimating <i>Synbranchus kaupii</i> densities: Contribution of fish behaviour to differences between bait experiments and visual strip transects. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 63-71.	0.6	13
44	Exploring the abundance-occupancy relationships for the Georges Bank finfish and shellfish community from 1963 to 2006. , 2011, 21, 227-240.		39
45	Hake catchability by the French trawler fleet in the Bay of Biscay: estimating technical and biological components. <i>ICES Journal of Marine Science</i> , 2011, 68, 107-118.	1.2	6
46	Using qualitative and quantitative stakeholder knowledge: examples from European deep-water fisheries. <i>ICES Journal of Marine Science</i> , 2011, 68, 1815-1824.	1.2	22
47	Combining time trends in multiple metrics for identifying persistent changes in population processes or environmental stressors. <i>Journal of Applied Ecology</i> , 2010, 47, 751-758.	1.9	13
48	Do changes in environmental and fishing pressures impact marine communities? An empirical assessment. <i>Journal of Applied Ecology</i> , 2010, 47, 741-750.	1.9	47
49	Estimating gear efficiency in a combined acoustic and trawl survey, with reference to the spatial distribution of demersal fish. <i>ICES Journal of Marine Science</i> , 2010, 67, 668-676.	1.2	18
50	Standardizing blue ling landings per unit effort from industry haul-by-haul data using generalized additive models. <i>ICES Journal of Marine Science</i> , 2010, 67, 1650-1658.	1.2	19
51	Trend analysis of indicators: a comparison of recent changes in the status of marine ecosystems around the world. <i>ICES Journal of Marine Science</i> , 2010, 67, 732-744.	1.2	102
52	Choosing survey time series for populations as part of an ecosystem approach to fishery management. <i>Aquatic Living Resources</i> , 2009, 22, 121-126.	0.5	15
53	A review of fishery-independent assessment models, and initial evaluation based on simulated data. <i>Aquatic Living Resources</i> , 2009, 22, 207-216.	0.5	27
54	Towards an ecosystem approach to fisheries management (EAFM) when trawl surveys provide the main source of information. <i>Aquatic Living Resources</i> , 2009, 22, 243-254.	0.5	34

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55	Fishing fleet typology, economic dependence, and species landing profiles of the French fleets in the Bay of Biscay, 2000-2006. <i>Aquatic Living Resources</i> , 2009, 22, 535-547.	0.5	29
56	Assessment of impacts from human activities on ecosystem components in the Bay of Biscay in the early 1990s. <i>Aquatic Living Resources</i> , 2009, 22, 409-431.	0.5	39
57	Fish stock assessments using surveys and indicators. <i>Aquatic Living Resources</i> , 2009, 22, 119-1.	0.5	12
58	A method for reducing uncertainty in estimates of fish-school frequency response using data from multifrequency and multibeam echosounders. <i>ICES Journal of Marine Science</i> , 2009, 66, 1155-1161.	1.2	13
59	Habitat preferences of selected demersal fish species in the Bay of Biscay and Celtic Sea, North-East Atlantic. <i>Fisheries Oceanography</i> , 2009, 18, 268-285.	0.9	23
60	Qualitative modelling and indicators of exploited ecosystems. <i>Fish and Fisheries</i> , 2009, 10, 305-322.	2.7	92
61	Intersection "union tests for characterising recent changes in smoothed indicator time series. <i>Ecological Indicators</i> , 2009, 9, 732-739.	2.6	14
62	Overview of recent progress in fisheries acoustics made by Ifremer with examples from the Bay of Biscay. <i>Aquatic Living Resources</i> , 2009, 22, 433-445.	0.5	36
63	Why and How Could Indicators Be Used in an Ecosystem Approach to Fisheries Management?. , 2009, , 209-226.		20
64	Using cognitive maps to investigate fishers' ecosystem objectives and knowledge. <i>Ocean and Coastal Management</i> , 2008, 51, 450-462.	2.0	33
65	Cluster analysis of linear model coefficients under contiguity constraints for identifying spatial and temporal fishing effort patterns. <i>Fisheries Research</i> , 2008, 93, 29-38.	0.9	6
66	A two-stage biomass random effects model for stock assessment without catches: What can be estimated using only biomass survey indices?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 1024-1035.	0.7	18
67	The new fisheries multibeam echosounder ME70: description and expected contribution to fisheries research. <i>ICES Journal of Marine Science</i> , 2008, 65, 645-655.	1.2	66
68	Ecosystem trends: evidence for agreement between fishers' perceptions and scientific information. <i>ICES Journal of Marine Science</i> , 2008, 65, 1057-1068.	1.2	71
69	From model-based prescriptive advice to indicator-based interactive advice. <i>ICES Journal of Marine Science</i> , 2007, 64, 768-774.	1.2	43
70	Do survey design and wind conditions influence survey indices?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 1551-1562.	0.7	19
71	Small-scale spatial and temporal interactions among benthic crustaceans and one fish species in the Bay of Biscay. <i>Marine Biology</i> , 2007, 151, 2207-2215.	0.7	23
72	Variability in natural behaviour, and observed reactions to an ROV, by mid-slope fish species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 332, 106-119.	0.7	78

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73	Estimating end effects in trawl catches. ICES Journal of Marine Science, 2006, 63, 956-959.	1.2	11
74	Disentangling the effects of capture efficiency and population abundance on catch data using random effects models. ICES Journal of Marine Science, 2005, 62, 1543-1555.	1.2	17
75	Combining indicator trends to assess ongoing changes in exploited fish communities: diagnostic of communities off the coasts of France. ICES Journal of Marine Science, 2005, 62, 1647-1664.	1.2	93
76	Factors for the variability of discards: assumptions and field evidence. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 224-235.	0.7	100
77	Different surveys provide similar pictures of trends in a marine fish community but not of individual fish populations. ICES Journal of Marine Science, 2004, 61, 351-362.	1.2	24
78	Density estimator for strip transects when animals show directional movement and observation speed is slow. Computational Statistics and Data Analysis, 2003, 44, 305-312.	0.7	3
79	Which community indicators can measure the impact of fishing? A review and proposals. Canadian Journal of Fisheries and Aquatic Sciences, 2003, 60, 86-99.	0.7	352
80	Performance of indicators derived from abundance estimates for detecting the impact of fishing on a fish community. Canadian Journal of Fisheries and Aquatic Sciences, 2003, 60, 67-85.	0.7	118
81	An analysis of discards from the French trawler fleet in the Celtic Sea. ICES Journal of Marine Science, 2002, 59, 538-552.	1.2	70
82	Fitting Population Dynamics Models to Count and Cull Data Using Sequential Importance Sampling. Journal of the American Statistical Association, 2000, 95, 363-374.	1.8	37
83	Evaluation of Aerial Line Transect Methodology for Estimating Red Deer (<i>Cervus elaphus</i>) Abundance in Scotland. Journal of Environmental Management, 1997, 50, 39-50.	3.8	21
84	80 Years of Multispecies Fisheries Modelling: Significant Advances and Continuing Challenges. , 0, , 325-357.		8