

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	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
2	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
3	Trend analysis of indicators: a comparison of recent changes in the status of marine ecosystems around the world. ICES Journal of Marine Science, 2010, 67, 732-744.	1.2	102
4	Factors for the variability of discards: assumptions and field evidence. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 224-235.	0.7	100
5	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
6	Qualitative modelling and indicators of exploited ecosystems. Fish and Fisheries, 2009, 10, 305-322.	2.7	92
7	Variability in natural behaviour, and observed reactions to an ROV, by mid-slope fish species. Journal of Experimental Marine Biology and Ecology, 2006, 332, 106-119.	0.7	78
8	Ecosystem trends: evidence for agreement between fishers' perceptions and scientific information. ICES Journal of Marine Science, 2008, 65, 1057-1068.	1.2	71
9	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
10	The new fisheries multibeam echosounder ME70: description and expected contribution to fisheries research. ICES Journal of Marine Science, 2008, 65, 645-655.	1.2	66
11	Space-time modelling of blue ling for fisheries stock management. Environmetrics, 2013, 24, 109-119.	0.6	55
12	Estimating effective population size of large marine populations, is it feasible?. Fish and Fisheries, 2019, 20, 189-198.	2.7	51
13	Hazard warning: model misuse ahead. ICES Journal of Marine Science, 2014, 71, 2300-2306.	1.2	50
14	Do changes in environmental and fishing pressures impact marine communities? An empirical assessment. Journal of Applied Ecology, 2010, 47, 741-750.	1.9	47
15	From model-based prescriptive advice to indicator-based interactive advice. ICES Journal of Marine Science, 2007, 64, 768-774.	1.2	43
16	Estimating effective population size using RADseq: Effects of SNP selection and sample size. Ecology and Evolution, 2020, 10, 1929-1937.	0.8	43
17	Statistical ecology comes of age. Biology Letters, 2014, 10, 20140698.	1.0	40
18	Assessment of impacts from human activities on ecosystem components in the Bay of Biscay in the early 1990s. Aquatic Living Resources, 2009, 22, 409-431.	0.5	39

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19	Exploring the abundance-occupancy relationships for the Georges Bank finfish and shellfish community from 1963 to 2006. , 2011, 21, 227-240.		39
20	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
21	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
22	Overview of recent progress in fisheries acoustics made by Ifremer with examples from the Bay of Biscay. Aquatic Living Resources, 2009, 22, 433-445.	0.5	36
23	Towards an ecosystem approach to fisheries management (EAFM) when trawl surveys provide the main source of information. Aquatic Living Resources, 2009, 22, 243-254.	0.5	34
24	Using cognitive maps to investigate fishers' ecosystem objectives and knowledge. Ocean and Coastal Management, 2008, 51, 450-462.	2.0	33
25	Fishing fleet typology, economic dependence, and species landing profiles of the French fleets in the Bay of Biscay, 2000-2006. Aquatic Living Resources, 2009, 22, 535-547.	0.5	29
26	Redundancy in metrics describing the composition, structure, and functioning of the North Sea demersal fish community. ICES Journal of Marine Science, 2012, 69, 8-22.	1.2	28
27	A review of fishery-independent assessment models, and initial evaluation based on simulated data. Aquatic Living Resources, 2009, 22, 207-216.	0.5	27
28	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
29	Modelling the fishing costs of French commercial vessels in the Bay of Biscay. Fisheries Research, 2013, 146, 74-85.	0.9	24
30	A fisheries acoustic multi-frequency indicator to inform on large scale spatial patterns of aquatic pelagic ecosystems. Ecological Indicators, 2013, 30, 72-79.	2.6	24
31	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
32	Small-scale spatial and temporal interactions among benthic crustaceans and one fish species in the Bay of Biscay. Marine Biology, 2007, 151, 2207-2215.	0.7	23
33	Habitat preferences of selected demersal fish species in the Bay of Biscay and Celtic Sea, North-East Atlantic. Fisheries Oceanography, 2009, 18, 268-285.	0.9	23
34	Using qualitative and quantitative stakeholder knowledge: examples from European deep-water fisheries. ICES Journal of Marine Science, 2011, 68, 1815-1824.	1.2	22
35	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
36	Changes in Brain Monoamines Underlie Behavioural Disruptions after Zebrafish Diet Exposure to Polycyclic Aromatic Hydrocarbons Environmental Mixtures. International Journal of Molecular Sciences, 2017, 18, 560.	1.8	22

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37	Evaluation of Aerial Line Transect Methodology for Estimating Red Deer (<i>Cervus elaphus</i>) Abundance in Scotland. <i>Journal of Environmental Management</i> , 1997, 50, 39-50.	3.8	21
38	Considerations for management strategy evaluation for small pelagic fishes. <i>Fish and Fisheries</i> , 2021, 22, 1167-1186.	2.7	21
39	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
40	Why and How Could Indicators Be Used in an Ecosystem Approach to Fisheries Management?. , 2009, , 209-226.		20
41	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
42	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
43	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
44	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
45	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
46	Disentangling the effects of capture efficiency and population abundance on catch data using random effects models. <i>ICES Journal of Marine Science</i> , 2005, 62, 1543-1555.	1.2	17
47	Physiological biomarkers and fisheries management. <i>Reviews in Fish Biology and Fisheries</i> , 2021, 31, 797-819.	2.4	17
48	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
49	Identifying marine pelagic ecosystem management objectives and indicators. <i>Marine Policy</i> , 2015, 55, 23-32.	1.5	15
50	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
51	Intersection-union tests for characterising recent changes in smoothed indicator time series. <i>Ecological Indicators</i> , 2009, 9, 732-739.	2.6	14
52	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
53	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
54	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

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55	Estimating the economic loss of recent North Atlantic fisheries management. <i>Progress in Oceanography</i> , 2014, 129, 314-323.	1.5	13
56	Pelagic habitat: exploring the concept of good environmental status. <i>ICES Journal of Marine Science</i> , 2017, 74, 2333-2341.	1.2	13
57	Fish stock assessments using surveys and indicators. <i>Aquatic Living Resources</i> , 2009, 22, 119-1.	0.5	12
58	Estimating end effects in trawl catches. <i>ICES Journal of Marine Science</i> , 2006, 63, 956-959.	1.2	11
59	The relative importance of environmental stochasticity, interspecific interactions, and observation error: Insights from sardine and anchovy landings. <i>Journal of Marine Systems</i> , 2013, 125, 77-89.	0.9	11
60	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
61	Combining quantitative and qualitative models to identify functional groups for monitoring changes in the Bay of Biscay continental shelf exploited foodweb. <i>ICES Journal of Marine Science</i> , 2014, 71, 105-117.	1.2	10
62	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
63	Evaluating the potential impact of fishing on demersal species in the Bay of Biscay using simulations and survey data. <i>Fisheries Research</i> , 2014, 157, 86-95.	0.9	9
64	Effects of density dependence, zooplankton and temperature on blue whiting <i>Micromesistius poutassou</i> growth. <i>Journal of Fish Biology</i> , 2015, 87, 1019-1030.	0.7	9
65	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. <i>Aquatic Living Resources</i> , 2016, 29, 209.	0.5	9
66	How to provide scientific advice for ecosystem-based management now. <i>Fish and Fisheries</i> , 2018, 19, 390-398.	2.7	9
67	Effects of ignoring survey design information for data reuse. <i>Ecological Applications</i> , 2021, 31, e02360.	1.8	9
68	80 Years of Multispecies Fisheries Modelling: Significant Advances and Continuing Challenges. , 0, , 325-357.		8
69	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
70	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
71	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
72	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

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73	Hake catchability by the French trawler fleet in the Bay of Biscay: estimating technical and biological components. ICES Journal of Marine Science, 2011, 68, 107-118.	1.2	6
74	A random effects population dynamics model based on proportions-at-age and removal data for estimating total mortality. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 1881-1893.	0.7	6
75	Extinction Debt and Colonizer Credit on a Habitat Perturbed Fishing Bank. PLoS ONE, 2016, 11, e0166409.	1.1	6
76	Observing the ocean interior in support of integrated management. ICES Journal of Marine Science, 2016, 73, 1947-1954.	1.2	6
77	Utility of mixed effects models to inform the stock structure of whiting in the Northeast Atlantic Ocean. Fisheries Research, 2017, 190, 132-139.	0.9	6
78	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. Progress in Oceanography, 2022, 204, 102788.	1.5	6
79	Disentangling the components of coastal fish biodiversity in southern Brittany by applying an environmental <sc>DNA</sc> approach. Environmental DNA, 2022, 4, 920-939.	3.1	6
80	A framework for evaluating management plans comprehensively. Fish and Fisheries, 2015, 16, 310-328.	2.7	4
81	Determining long-term changes in a skate assemblage with aggregated landings and limited species data. Fisheries Management and Ecology, 2019, 26, 365-373.	1.0	4
82	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
83	Indicators for Ecosystem-Based Management: Methods and Applications. , 2015, , 215-221.		3
84	Functional group based marine ecosystem assessment for the Bay of Biscay via elasticity analysis. PeerJ, 2019, 7, e7422.	0.9	3