

# J Rasmus Nielsen

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,864  
citations

257450

24  
h-index

276875

41  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2000  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Detailed mapping of fishing effort and landings by coupling fishing logbooks with satellite-recorded vessel geo-location. Fisheries Research, 2010, 106, 41-53.	1.7	118
4	Integrated ecologicalâ€“economic fisheries modelsâ€”Evaluation, review and challenges for implementation. Fish and Fisheries, 2018, 19, 1-29.	5.3	87
5	Fishing impact and environmental status in <sc>E</sc>uropean seas: a diagnosis from stock assessments and ecosystem indicators. Fish and Fisheries, 2016, 17, 31-55.	5.3	78
6	Effects of fishing effort allocation scenarios on energy efficiency and profitability: An individual-based model applied to Danish fisheries. Fisheries Research, 2010, 106, 501-516.	1.7	69
7	DISPLACE: a dynamic, individual-based model for spatial fishing planning and effort displacement â€” integrating underlying fish population models. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 366-386.	1.4	69
8	Challenges and opportunities for fleet- and mÃ©tier-based approaches for fisheries management under the European Common Fishery Policy. Ocean and Coastal Management, 2012, 70, 38-47.	4.4	57
9	Integration of fisheries into marine spatial planning: Quo vadis?. Estuarine, Coastal and Shelf Science, 2018, 201, 105-113.	2.1	56
10	A review of EU bio-economic models for fisheries: The value of a diversity of models. Marine Policy, 2012, 36, 423-431.	3.2	55
11	Spatial planning for fisheries in the Northern Adriatic: working toward viable and sustainable fishing. Ecosphere, 2017, 8, e01696.	2.2	51
12	Vertical migration and dispersion of sprat ( <i>Sprattus sprattus</i> ) and herring ( <i>Clupea harengus</i> ) schools at dusk in the Baltic Sea. Aquatic Living Resources, 2003, 16, 317-324.	1.2	49
13	A comparative review of fisheries management experiences in the <sc>E</sc>uropean <sc>U</sc>nion and in other countries worldwide: <sc>I</sc>celand, <sc>A</sc>ustralia, and <sc>N</sc>ew <sc>Z</sc>ealand. Fish and Fisheries, 2016, 17, 803-824.	5.3	49
14	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
15	Influence of grid orientation and time of day on grid sorting in a small-meshed trawl fishery for Norway pout ( <i>Trisopterus esmarkii</i> ). Aquatic Living Resources, 2012, 25, 15-26.	1.2	38
16	Integrating individual trip planning in energy efficiency â€” Building decision tree models for Danish fisheries. Fisheries Research, 2013, 143, 119-130.	1.7	38
17	Different bottom trawl fisheries have a differential impact on the status of the North Sea seafloor habitats. ICES Journal of Marine Science, 2020, 77, 1772-1786.	2.5	31
18	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

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19	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
20	Impacts of the local environment on recruitment: a comparative study of North Sea and Baltic Sea fish stocks. <i>ICES Journal of Marine Science</i> , 2015, 72, 1323-1335.	2.5	28
21	Time changes in fishing power in the Danish cod fisheries of the Baltic Sea. <i>ICES Journal of Marine Science</i> , 2001, 58, 298-310.	2.5	27
22	TEMAS: fleet-based bio-economic simulation software to evaluate management strategies accounting for fleet behaviour. <i>ICES Journal of Marine Science</i> , 2007, 64, 647-651.	2.5	27
23	Comparative evaluation of a mixed-fisheries effort-management system based on the Faroe Islands example. <i>ICES Journal of Marine Science</i> , 2010, 67, 1036-1050.	2.5	27
24	Implementing the precautionary approach into fisheries management: Biomass reference points and uncertainty buffers. <i>Fish and Fisheries</i> , 2022, 23, 73-92.	5.3	27
25	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
26	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
27	A Statistical Model for Estimation of Fish Density Including Correlation in Size, Space, Time and between Species from Research Survey Data. <i>PLoS ONE</i> , 2014, 9, e99151.	2.5	25
28	Hydroacoustic ex situ target strength measurements on juvenile cod ( <i>Gadus morhua</i> L.). <i>ICES Journal of Marine Science</i> , 1999, 56, 627-639.	2.5	23
29	Distribution, density and abundance of the western Baltic herring ( <i>Clupea harengus</i> ) in the Sound (ICES Subdivision 23) in relation to hydrographical features. <i>Fisheries Research</i> , 2001, 50, 235-258.	1.7	23
30	Survey gear calibration independent of spatial fish distribution. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 636-647.	1.4	21
31	A method for the possible species discrimination of juvenile gadoids by broad-bandwidth backscattering spectra vs. angle of incidence. <i>ICES Journal of Marine Science</i> , 2008, 65, 581-593.	2.5	21
32	Stakeholder perceptions in fisheries management - Sectors with benthic impacts. <i>Marine Policy</i> , 2018, 92, 73-85.	3.2	20
33	New policies may call for new approaches: the case of the Swedish Norway lobster ( <i>Nephrops</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 101	2.5	18
34	Maturity and growth population dynamics of Norway pout ( <i>Trisopterus esmarkii</i> ) in the North Sea, Skagerrak, and Kattegat. <i>ICES Journal of Marine Science</i> , 2009, 66, 1899-1914.	2.5	17
35	A correction to "Estimating seabed pressure from demersal trawls, seines and dredges based on gear design and dimensions". <i>ICES Journal of Marine Science</i> , 2016, 73, 2420-2423.	2.5	15
36	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

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37	Localisation of Nursery Areas Based on Comparative Analyses of the Horizontal and Vertical Distribution Patterns of Juvenile Baltic Cod ( <i>Gadus morhua</i> ). PLoS ONE, 2013, 8, e70668.	2.5	14
38	Reducing fisheries impacts on the seafloor: A bio-economic evaluation of policy strategies for improving sustainability in the Baltic Sea. Fisheries Research, 2020, 230, 105681.	1.7	14
39	Integrated ecosystem impacts of climate change and eutrophication on main Baltic fishery resources. Ecological Modelling, 2021, 453, 109609.	2.5	14
40	Exploring trophic interactions and cascades in the Baltic Sea using a complex end-to-end ecosystem model with extensive food web integration. Ecological Modelling, 2020, 436, 109281.	2.5	13
41	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
42	An Atlantic herring ( <i>Clupea harengus</i> ) size selection model for experimental gill nets used in the Sound (ICES Subdivision 23). Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1551-1561.	1.4	11
43	Sustainability Impact Assessment (SIA) in fisheries: Implementation in EU fishing regions. Marine Policy, 2019, 101, 63-79.	3.2	11
44	Chapter 7 Effort and capacity-based fisheries management. Developments in Aquaculture and Fisheries Science, 2006, 36, 163-216.	1.3	10
45	Potential for Mesopelagic Fishery Compared to Economy and Fisheries Dynamics in Current Large Scale Danish Pelagic Fishery. Frontiers in Marine Science, 2021, 8, .	2.5	10
46	Growth and food consumption of whiting <i>Merlangius merlangus</i> . Journal of Fish Biology, 2018, 93, 334-343.	1.6	9
47	Bio-economic evaluation of implementing trawl fishing gear with different selectivity. Journal of Environmental Management, 2009, 90, 3665-3674.	7.8	8
48	Impact assessment of a fisheries closure with effort and landings spatial analyses: A case study in the Western Baltic Sea. Fisheries Research, 2014, 157, 170-179.	1.7	8
49	Verification of multispecies interactions in the North Sea by trawl survey data on Norway pout ( <i>Trisopterus esmarkii</i> ). ICES Journal of Marine Science, 2002, 59, 1270-1275.	2.5	7
50	Opening of the Norway pout box: will it change the ecological impacts of the North Sea Norway pout fishery?. ICES Journal of Marine Science, 2019, 76, 136-152.	2.5	6
51	Chapter 10 Ecological side-effects of fishing from the fisheries management perspective. Developments in Aquaculture and Fisheries Science, 2006, 36, 267-294.	1.3	4
52	Unravelling the scientific potential of high resolution fishery data. Aquatic Living Resources, 2018, 31, 24.	1.2	4
53	Time-variant productivity in biomass dynamic models on seasonal and long-term scales. ICES Journal of Marine Science, 0, , .	2.5	4
54	EXPERIMENTS FOR POSSIBLE HYDROACOUSTIC DISCRIMINATION OF FREE-SWIMMING JUVENILE GADOID FISH BY ANALYSIS OF BROADBAND PULSE SPECTRA AS WELL AS 3D FISH POSITION FROM VIDEO IMAGES AND SPLIT BEAM ACOUSTICS. Bioacoustics, 2002, 12, 297-299.	1.7	1

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55	OBSERVED REACTIONS OF FISH IN CAPTIVITY TO REPLAYED VESSEL-NOISE SOUNDS FROM THE FISHERIES RESEARCH VESSEL DANA. <i>Bioacoustics</i> , 2008, 17, 217-219.	1.7	0