

# Adriaan D Rijnsdorp

## List of Publications by Year in descending order

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Version: 2024-02-01

174  
papers

11,590  
citations

20817

60  
h-index

34986

98  
g-index

181  
all docs

181  
docs citations

181  
times ranked

6946  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Ecology: Managing Evolving Fish Stocks. <i>Science</i> , 2007, 318, 1247-1248.   | 12.6 | 552       |
| 2  | Resolving the effect of climate change on fish populations. <i>ICES Journal of Marine Science</i> , 2009, 66, 1570-1583.   | 2.5  | 537       |
| 3  | Reconsidering the Consequences of Selective Fisheries. <i>Science</i> , 2012, 335, 1045-1047.  | 12.6 | 392       |
| 4  | Warming temperatures and smaller body sizes: synchronous changes in growth of North Sea fishes. <i>Global Change Biology</i> , 2014, 20, 1023-1031.  | 9.5  | 259       |
| 5  | Fisheries as a large-scale experiment on life-history evolution: disentangling phenotypic and genetic effects in changes in maturation and reproduction of North Sea plaice, <i>Pleuronectes platessa</i> L.. <i>Oecologia</i> , 1993, 96, 391-401.              | 2.0  | 251       |
| 6  | Micro-scale distribution of beam trawl effort in the southern North Sea between 1993 and 1996 in relation to the trawling frequency of the sea bed and the impact on benthic organisms. <i>ICES Journal of Marine Science</i> , 1998, 55, 403-419.               | 2.5  | 246       |
| 7  | Global analysis of depletion and recovery of seabed biota after bottom trawling disturbance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8301-8306.  | 7.1  | 228       |
| 8  | The footprint of bottom trawling in European waters: distribution, intensity, and seabed integrity. <i>ICES Journal of Marine Science</i> , 2017, 74, 847-865.   | 2.5  | 211       |
| 9  | Recruitment of sole stocks, <i>Solea solea</i> (L.), in the Northeast Atlantic. <i>Journal of Sea Research</i> , 1992, 29, 173-192.  | 1.0  | 203       |
| 10 | Bottom trawl fishing footprints on the world's continental shelves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10275-E10282.   | 7.1  | 189       |
| 11 | Fisheries-induced trends in reaction norms for maturation in North Sea plaice. <i>Marine Ecology - Progress Series</i> , 2003, 257, 247-257.   | 1.9  | 189       |
| 12 | Hunting in the kestrel, <i>Falco tinnunculus</i> , and the adaptive significance of daily habits. <i>Oecologia</i> , 1981, 50, 391-406.  | 2.0  | 186       |
| 13 | Recruitment in flatfish, with special emphasis on North Atlantic species: Progress made by the Flatfish Symposia. <i>ICES Journal of Marine Science</i> , 2000, 57, 202-215.   | 2.5  | 186       |
| 14 | Selective Tidal Transport of North Sea Plaice Larvae <i>Pleuronectes platessa</i> in Coastal Nursery Areas. <i>Transactions of the American Fisheries Society</i> , 1985, 114, 461-470.  | 1.4  | 172       |
| 15 | Low effective population size and evidence for inbreeding in an overexploited flatfish, plaice ( <i>Pleuronectes platessa</i> ) Tj ETQq1 1 0.784314 $\frac{rgBT}{Overlock 10T}$ 2.6 162  | 2.6  | 162       |
| 16 | Fishing effects in northeast Atlantic shelf seas: patterns in fishing effort, diversity and community structure. III. International trawling effort in the North Sea: an analysis of spatial and temporal trends. <i>Fisheries Research</i> , 1999, 40, 125-134. | 1.7  | 159       |
| 17 | Estimating seabed pressure from demersal trawls, seines, and dredges based on gear design and dimensions. <i>ICES Journal of Marine Science</i> , 2016, 73, i27-i43.   | 2.5  | 158       |
| 18 | Impacts of climate change on the complex life cycles of fish. <i>Fisheries Oceanography</i> , 2013, 22, 121-139.   | 1.7  | 152       |

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|----|--|-----|-----------|
| 19 | Population structure of plaice ( <i>Pleuronectes platessa</i> L.) in northern Europe: microsatellites revealed large-scale spatial and temporal homogeneity. <i>Molecular Ecology</i> , 2002, 11, 1165-1176. | 3.9 | 144       |
| 20 | Phylogeography and population structure of thornback rays ( <i>Raja clavata</i> L., Rajidae). <i>Molecular Ecology</i> , 2006, 15, 3693-3705.  | 3.9 | 134       |
| 21 | Maturation of male and female North Sea plaice ( <i>Pleuronectes platessa</i> L.). <i>ICES Journal of Marine Science</i> , 1989, 46, 35-51.  | 2.5 | 125       |
| 22 | The mechanism of energy allocation over reproduction and somatic growth in female North Sea plaice, <i>Pleuronectes platessa</i> L.. <i>Journal of Sea Research</i> , 1990, 25, 279-289.                     | 1.0 | 124       |
| 23 | Evolutionary impact assessment: accounting for evolutionary consequences of fishing in an ecosystem approach to fisheries management. <i>Fish and Fisheries</i> , 2014, 15, 65-96.                           | 5.3 | 119       |
| 24 | Response of benthic fauna to experimental bottom fishing: A global meta-analysis. <i>Fish and Fisheries</i> , 2018, 19, 698-715.   | 5.3 | 117       |
| 25 | Changes in growth of North Sea plaice since 1950 in relation to density, eutrophication, beam-trawl effort, and temperature. <i>ICES Journal of Marine Science</i> , 1996, 53, 1199-1213.                    | 2.5 | 114       |
| 26 | Individual quotas, fishing effort allocation, and over-quota discarding in mixed fisheries. <i>ICES Journal of Marine Science</i> , 2010, 67, 323-333.   | 2.5 | 102       |
| 27 | Can fisheries-induced evolution shift reference points for fisheries management?. <i>ICES Journal of Marine Science</i> , 2013, 70, 707-721.   | 2.5 | 102       |
| 28 | On the survival of plaice and sole discards in the otter-trawl and beam-trawl fisheries in the North Sea. <i>Journal of Sea Research</i> , 1990, 26, 151-160.  | 1.0 | 100       |
| 29 | Reproductive variability in North Sea plaice, sole, and cod. <i>ICES Journal of Marine Science</i> , 1991, 47, 352-375.  | 2.5 | 100       |
| 30 | Similar effects of bottom trawling and natural disturbance on composition and function of benthic communities across habitats. <i>Marine Ecology - Progress Series</i> , 2015, 541, 31-43.                   | 1.9 | 100       |
| 31 | Nine decades of North Sea sole and plaice distribution. <i>ICES Journal of Marine Science</i> , 2011, 68, 1090-1104.   | 2.5 | 97        |
| 32 | Impact of juvenile growth on recruitment in flatfish. <i>Journal of Sea Research</i> , 1994, 32, 153-173.  | 1.0 | 95        |
| 33 | Effects of a partially closed area in the North Sea (‘‘plaice box’’) on stock development of plaice. <i>ICES Journal of Marine Science</i> , 2000, 57, 1014-1022.  | 2.5 | 93        |
| 34 | Population-regulating processes during the adult phase in flatfish. <i>Journal of Sea Research</i> , 1994, 32, 207-223.  | 1.0 | 92        |
| 35 | Changes in abundance of demersal fish species in the North Sea between 1906–1909 and 1990–1995. <i>ICES Journal of Marine Science</i> , 1996, 53, 1054-1062.   | 2.5 | 92        |
| 36 | Technological Development and Fisheries Management. <i>Reviews in Fisheries Science and Aquaculture</i> , 2014, 22, 156-174.   | 9.1 | 89        |

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|----|---|-----|-----------|
| 37 | Conservation physiology of marine fishes: state of the art and prospects for policy. , 2016, 4, cow046.   |     | 89        |
| 38 | Variability in transport of fish eggs and larvae. III. Effects of hydrodynamics and larval behaviour on recruitment in plaice. Marine Ecology - Progress Series, 2009, 390, 195-211.                                  | 1.9 | 87        |
| 39 | Feeding of plaice <i>Pleuronectes platessa</i> L. and sole <i>Solea solea</i> (L.) in relation to the effects of bottom trawling. Journal of Sea Research, 2001, 45, 219-229.   | 1.6 | 85        |
| 40 | Changes in fecundity of female North Sea plaice ( <i>Pleuronectes platessa</i> L.) between three periods since 1900. ICES Journal of Marine Science, 1991, 48, 253-280.   | 2.5 | 82        |
| 41 | Effects of climate change on growth of 0-group sole and plaice. Marine Ecology - Progress Series, 2008, 358, 219-230.   | 1.9 | 82        |
| 42 | Bioenergetics underpins the spatial response of North Sea plaice ( <i>Pleuronectes platessa</i> L.) and sole ( <i>Solea solea</i> L.) to climate change. Global Change Biology, 2012, 18, 3291-3305.                  | 9.5 | 82        |
| 43 | Fisheries-induced evolutionary changes in maturation reaction norms in North Sea sole <i>Solea solea</i> . Marine Ecology - Progress Series, 2007, 351, 189-199.  | 1.9 | 81        |
| 44 | Effects of fishing power and competitive interactions among vessels on the effort allocation on the trip level of the Dutch beam trawl fleet. ICES Journal of Marine Science, 2000, 57, 927-937.                      | 2.5 | 78        |
| 45 | The arms race between fishers. Journal of Sea Research, 2008, 60, 126-138.  | 1.6 | 77        |
| 46 | Partial fishing mortality per fishing trip: a useful indicator of effective fishing effort in mixed demersal fisheries. ICES Journal of Marine Science, 2006, 63, 556-566.  | 2.5 | 76        |
| 47 | On factors structuring the flatfish assemblage in the southern North Sea. Journal of Sea Research, 1998, 40, 143-152.   | 1.6 | 75        |
| 48 | Changes in the spatial distribution of North Sea plaice ( <i>Pleuronectes platessa</i> ) and implications for fisheries management. Journal of Sea Research, 2007, 57, 187-197.                                       | 1.6 | 75        |
| 49 | Relationship between Juvenile Growth and the Onset of Sexual Maturity of Female North Sea Plaice, <i>Pleuronectes platessa</i> . Canadian Journal of Fisheries and Aquatic Sciences, 1993, 50, 1617-1631.             | 1.4 | 72        |
| 50 | Regional warming changes fish species richness in the eastern North Atlantic Ocean. Marine Ecology - Progress Series, 2010, 414, 1-9.   | 1.9 | 71        |
| 51 | Trends in population dynamics and exploitation of North Sea plaice ( <i>Pleuronectes platessa</i> L.) since the late 1800s. ICES Journal of Marine Science, 1996, 53, 1170-1184.                                      | 2.5 | 70        |
| 52 | 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        |
| 53 | Population structure of plaice ( <i>Pleuronectes platessa</i> L.) in northern Europe: a comparison of resolving power between microsatellites and mitochondrial DNA data. Journal of Sea Research, 2004, 51, 183-190. | 1.6 | 69        |
| 54 | Shifts in the timing of spawning in sole linked to warming sea temperatures. Journal of Sea Research, 2013, 75, 69-76.  | 1.6 | 69        |

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|----|--|-----|-----------|
| 55 | The ecological significance of geographical and seasonal differences in egg size in sole <i>Solea solea</i> (L.). <i>Journal of Sea Research</i> , 1994, 32, 255-270.  | 1.0 | 68        |
| 56 | Demersal fish populations in the coastal waters of the UK and continental NW Europe from beam trawl survey data collected from 1990 to 1995. <i>Journal of Sea Research</i> , 1998, 39, 79-102.                | 1.6 | 67        |
| 57 | Fisheries-induced adaptive change in reproductive investment in North Sea plaice ( <i>Pleuronectes</i> ) Tj ETQq1 1 0.784314 rgBT /Oyerlock  | 1.4 | 67        |
| 58 | Effects of fishing during the spawning period: implications for sustainable management. <i>Reviews in Fish Biology and Fisheries</i> , 2015, 25, 65-83.  | 4.9 | 67        |
| 59 | Estimating sensitivity of seabed habitats to disturbance by bottom trawling based on the longevity of benthic fauna. <i>Ecological Applications</i> , 2018, 28, 1302-1312.                                     | 3.8 | 66        |
| 60 | Assessing bottom trawling impacts based on the longevity of benthic invertebrates. <i>Journal of Applied Ecology</i> , 2019, 56, 1075-1084.  | 4.0 | 66        |
| 61 | An "experiment" on effort allocation of fishing vessels: the role of interference competition and area specialization. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 304-313.          | 1.4 | 65        |
| 62 | Indirect effects of bottom fishing on the productivity of marine fish. <i>Fish and Fisheries</i> , 2017, 18, 619-637.  | 5.3 | 65        |
| 63 | Changes in growth of plaice <i>Pleuronectes platessa</i> L. and sole <i>Solea solea</i> (L.) in the North Sea. <i>Journal of Sea Research</i> , 1991, 27, 441-457.   | 1.0 | 63        |
| 64 | Do tagging experiments tell the truth? Using electronic tags to evaluate conventional tagging data. <i>ICES Journal of Marine Science</i> , 2005, 62, 236-246.   | 2.5 | 62        |
| 65 | Monitoring juvenile stocks of flatfish in the Wadden Sea and the coastal areas of the southeastern North Sea. <i>Helgoländer Meeresuntersuchungen</i> , 1989, 43, 461-477.                                     | 0.2 | 60        |
| 66 | Competitive interactions among beam trawlers exploiting local patches of flatfish in the North Sea. <i>ICES Journal of Marine Science</i> , 2000, 57, 894-902.   | 2.5 | 60        |
| 67 | Choosing best practices for managing impacts of trawl fishing on seabed habitats and biota. <i>Fish and Fisheries</i> , 2020, 21, 319-337.   | 5.3 | 60        |
| 68 | Three-dimensional maturation reaction norms for North Sea plaice. <i>Marine Ecology - Progress Series</i> , 2007, 334, 213-224.  | 1.9 | 60        |
| 69 | Predation by North Sea Herring <i>Clupea harengus</i> on Eggs of Plaice <i>Pleuronectes platessa</i> and Cod <i>Gadus morhua</i> . <i>Transactions of the American Fisheries Society</i> , 1985, 114, 499-506. | 1.4 | 59        |
| 70 | Pattern of movement in and dispersal from a dutch forest of <i>Carabus problematicus</i> Hbst. (Coleoptera, Carabidae). <i>Oecologia</i> , 1980, 45, 274-281.  | 2.0 | 58        |
| 71 | Differences in biological traits composition of benthic assemblages between unimpacted habitats. <i>Marine Environmental Research</i> , 2017, 126, 1-13.   | 2.5 | 58        |
| 72 | Signals from the shallows: In search of common patterns in long-term trends in Dutch estuarine and coastal fish. <i>Journal of Sea Research</i> , 2008, 60, 54-73.   | 1.6 | 57        |

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|----|---|-----|-----------|
| 73 | Standardizing commercial CPUE data in monitoring stock dynamics: Accounting for targeting behaviour in mixed fisheries. <i>Fisheries Research</i> , 2008, 89, 1-8.  | 1.7 | 57        |
| 74 | Estimating the sustainability of towed fishing gear impacts on seabed habitats: a simple quantitative risk assessment method applicable to data-limited fisheries. <i>Methods in Ecology and Evolution</i> , 2017, 8, 472-480.                    | 5.2 | 57        |
| 75 | Modelling the spatial dynamics and fisheries of North Sea plaice ( <i>Pleuronectes platessa</i> L.) based on tagging data. <i>ICES Journal of Marine Science</i> , 1995, 52, 963-980.   | 2.5 | 55        |
| 76 | Fisheries-induced evolution in growth, maturation and reproductive investment of the sexually dimorphic North Sea plaice ( <i>Pleuronectes platessa</i> L.). <i>Journal of Sea Research</i> , 2010, 64, 85-93.                                    | 1.6 | 55        |
| 77 | Density-dependent and independent changes in somatic growth of female North Sea plaice <i>Pleuronectes platessa</i> between 1930 and 1985 as revealed by back-calculation of otoliths. <i>Marine Ecology - Progress Series</i> , 1992, 88, 19-32. | 1.9 | 53        |
| 78 | Can bottom trawling disturbance increase food production for a commercial fish species?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 1393-1401.   | 1.4 | 52        |
| 79 | Fecundity, atresia, and spawning strategies of Atlantic herring ( <i>Clupea harengus</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 2130-2141.  | 1.4 | 52        |
| 80 | High-grading and over-quota discarding in mixed fisheries. <i>Reviews in Fish Biology and Fisheries</i> , 2015, 25, 715-736.  | 4.9 | 50        |
| 81 | A quantitative evaluation of the impact of beam trawling on benthic fauna in the southern North Sea. <i>ICES Journal of Marine Science</i> , 2000, 57, 1332-1339.   | 2.5 | 48        |
| 82 | Prey selection by North Sea herring ( <i>Clupea harengus</i> ), with special reference to fish eggs. <i>ICES Journal of Marine Science</i> , 2007, 64, 60-68.   | 2.5 | 47        |
| 83 | Sustainable use of flatfish resources: Addressing the credibility crisis in mixed fisheries management. <i>Journal of Sea Research</i> , 2007, 57, 114-125.   | 1.6 | 47        |
| 84 | Changes in potential North Sea spawning grounds of plaice ( <i>Pleuronectes platessa</i> L.) based on early life stage connectivity to nursery habitats. <i>Journal of Sea Research</i> , 2013, 84, 26-39.  | 1.6 | 47        |
| 85 | Size-selective mortality in plaice and cod eggs: a new method in the study of egg mortality. <i>ICES Journal of Marine Science</i> , 1990, 47, 256-263.   | 2.5 | 46        |
| 86 | Reconstructing age distribution, season of capture and growth rate of fish from archaeological sites based on otoliths and vertebrae. <i>International Journal of Osteoarchaeology</i> , 1999, 9, 116-130.  | 1.2 | 46        |
| 87 | Adaptive response of beam trawl fishers to rising fuel cost. <i>ICES Journal of Marine Science</i> , 2013, 70, 675-684.   | 2.5 | 46        |
| 88 | Population biology of dab <i>Limanda limanda</i> in the southeastern North Sea. <i>Marine Ecology - Progress Series</i> , 1992, 91, 19-35.  | 1.9 | 45        |
| 89 | Comparing demersal fish assemblages between periods of contrasting climate and fishing pressure. <i>ICES Journal of Marine Science</i> , 2011, 68, 1189-1198.   | 2.5 | 43        |
| 90 | Population structure of the thornback ray ( <i>Raja clavata</i> L.) in British waters. <i>Journal of Sea Research</i> , 2006, 56, 305-316.  | 1.6 | 42        |

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|-----|--|------|-----------|
| 91  | The dynamics of small-scale patchiness of plaice and sole as reflected in the catch rates of the Dutch beam trawl fleet and its implications for the fleet dynamics. <i>Journal of Sea Research</i> , 2007, 58, 100-112. | 1.6  | 42        |
| 92  | The Role of Fisheries-Induced Evolution. <i>Science</i> , 2008, 320, 47-50.  | 12.6 | 42        |
| 93  | Seascape genetics of a flatfish reveals local selection under high levels of gene flow. <i>ICES Journal of Marine Science</i> , 2018, 75, 675-689.   | 2.5  | 40        |
| 94  | Changes in the demersal fish assemblage in the south-eastern North Sea following the establishment of a protected area ("plaice box"). <i>ICES Journal of Marine Science</i> , 1998, 55, 420-429.                        | 2.5  | 39        |
| 95  | Spatial dimension and exploitation dynamics of local fishing grounds by fishers targeting several flatfish species. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1064-1076.                     | 1.4  | 39        |
| 96  | Mixed fisheries management: protecting the weakest link. <i>Marine Ecology - Progress Series</i> , 2013, 479, 177-190.   | 1.9  | 39        |
| 97  | Habitat-Specific Effects of Fishing Disturbance on Benthic Species Richness in Marine Soft Sediments. <i>Ecosystems</i> , 2014, 17, 1216-1226.   | 3.4  | 39        |
| 98  | Mortality of fish from the by-catch of shrimp vessels in the North Sea. <i>Journal of Applied Ichthyology</i> , 1992, 8, 293-306.  | 0.7  | 37        |
| 99  | Recruitment mechanisms in flatfish: What did we learn and where do we go?. <i>Journal of Sea Research</i> , 1995, 34, 237-242.   | 1.0  | 37        |
| 100 | Temporal genetic stability and high effective population size despite fisheries-induced life-history trait evolution in the North Sea sole. <i>Molecular Ecology</i> , 2011, 20, no-no.                                  | 3.9  | 37        |
| 101 | Mixed fisheries management: Is the ban on discarding likely to promote more selective and fuel efficient fishing in the Dutch flatfish fishery?. <i>Fisheries Research</i> , 2016, 174, 118-128.                         | 1.7  | 37        |
| 102 | Growth changes in plaice, cod, haddock and saithe in the North Sea: a comparison of (post-)medieval and present-day growth rates based on otolith measurements. <i>Journal of Sea Research</i> , 2004, 51, 313-328.      | 1.6  | 36        |
| 103 | Population structure and historical demography of the thorny skate ( <i>Amblyraja radiata</i> , Rajidae) in the North Atlantic. <i>Marine Biology</i> , 2007, 151, 1275-1286.  | 1.5  | 36        |
| 104 | How climate warming impacts the distribution and abundance of two small flatfish species in the North Sea. <i>Journal of Sea Research</i> , 2010, 64, 76-84.   | 1.6  | 35        |
| 105 | Evaluating the effect of fishery closures: Lessons learnt from the Plaice Box. <i>Journal of Sea Research</i> , 2013, 84, 49-60.   | 1.6  | 35        |
| 106 | Comparison of mechanical disturbance in soft sediments due to tickler-chain SumWing trawl vs. electro-fitted PulseWing trawl. <i>ICES Journal of Marine Science</i> , 2019, 76, 312-329.                                 | 2.5  | 35        |
| 107 | Trawl impacts on the relative status of biotic communities of seabed sedimentary habitats in 24 regions worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1  | 35        |
| 108 | Importance of fish biodiversity for the management of fisheries and ecosystems. <i>Fisheries Research</i> , 2008, 90, 6-8.   | 1.7  | 33        |

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|-----|--|-----|-----------|
| 109 | Behavioral inferences from the statistical distribution of commercial catch: patterns of targeting in the landings of the Dutch beam trawler fleet. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 27-37.                                   | 1.4 | 33        |
| 110 | When does fishing lead to more fish? Community consequences of bottom trawl fisheries in demersal food webs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131883.   | 2.6 | 33        |
| 111 | Size-selective predation on juvenile North Sea flatfish and possible implications for recruitment. , 1997, , 279-303.  |     | 33        |
| 112 | Fishing effects in northeast Atlantic shelf seas: patterns in fishing effort, diversity and community structure. IV. Can comparisons of species diversity be used to assess human impacts on demersal fish faunas?. <i>Fisheries Research</i> , 1999, 40, 135-152. | 1.7 | 32        |
| 113 | Temporal changes in allele frequencies but stable genetic diversity over the past 40 years in the Irish Sea population of thornback ray, <i>Raja clavata</i> . <i>Heredity</i> , 2008, 101, 120-126.   | 2.6 | 32        |
| 114 | Pulse trawl fishing: characteristics of the electrical stimulation and the effect on behaviour and injuries of Atlantic cod ( <i>Gadus morhua</i> ). <i>ICES Journal of Marine Science</i> , 2016, 73, 1557-1569.  | 2.5 | 32        |
| 115 | Multiple Paternity Analysis in the Thornback Ray <i>Raja clavata</i> L.. <i>Journal of Heredity</i> , 2007, 98, 712-715.   | 2.4 | 31        |
| 116 | Implications of fisheries-induced changes in stock structure and reproductive potential for stock recovery of a sex-dimorphic species, North Sea plaice. <i>ICES Journal of Marine Science</i> , 2010, 67, 1931-1938.  | 2.5 | 31        |
| 117 | Temporal aggregation of bottom trawling and its implication for the impact on the benthic ecosystem. <i>ICES Journal of Marine Science</i> , 2015, 72, 952-961.  | 2.5 | 31        |
| 118 | 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        |
| 119 | Thermal Preference of Juvenile Dover Sole ( <i>Solea solea</i> ) in Relation to Thermal Acclimation and Optimal Growth Temperature. <i>PLoS ONE</i> , 2013, 8, e61357.   | 2.5 | 30        |
| 120 | Selection of indicators for assessing and managing the impacts of bottom trawling on seabed habitats. <i>Journal of Applied Ecology</i> , 2020, 57, 1199-1209.   | 4.0 | 30        |
| 121 | Spatial variation in growth, maturation schedules and reproductive investment of female sole <i>Solea solea</i> in the Northeast Atlantic. <i>Journal of Sea Research</i> , 2013, 84, 109-121.   | 1.6 | 28        |
| 122 | Prioritization of knowledgeâ€œneeds to achieve best practices for bottom trawling in relation to seabed habitats. <i>Fish and Fisheries</i> , 2016, 17, 637-663.   | 5.3 | 28        |
| 123 | Fish Otoliths and their Relevance to Archaeology: An Analysis of Medieval, Post-Medieval, and Recent Material of Plaice, Cod and Haddock from the North Sea. <i>Environmental Archaeology</i> , 2002, 7, 61-76.  | 1.2 | 26        |
| 124 | Dietary overlap between the potential competitors herring, sprat and anchovy in the North Sea. <i>Marine Ecology - Progress Series</i> , 2012, 470, 101-111.   | 1.9 | 26        |
| 125 | Trawl fishing impacts on the status of seabed fauna in diverse regions of the globe. <i>Fish and Fisheries</i> , 2021, 22, 72-86.  | 5.3 | 26        |
| 126 | Latitudinal variation in fish recruits in Northwest Europe. <i>Journal of Sea Research</i> , 1998, 39, 69-77.  | 1.6 | 25        |



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|-----|---|-----|-----------|
| 127 | Ecological and economic trade-offs in the management of mixed fisheries: a case study of spawning closures in flatfish fisheries. <i>Marine Ecology - Progress Series</i> , 2012, 447, 179-194.           | 1.9 | 25        |
| 128 | Investigating the effects of mobile bottom fishing on benthic biota: a systematic review protocol. <i>Environmental Evidence</i> , 2014, 3, 23.   | 2.7 | 25        |
| 129 | North Sea demersal fisheries prefer specific benthic habitats. <i>PLoS ONE</i> , 2018, 13, e0208338.  | 2.5 | 25        |
| 130 | Impact of bottom trawling on sediment biogeochemistry: a modelling approach. <i>Biogeosciences</i> , 2021, 18, 2539-2557.   | 3.3 | 25        |
| 131 | Selection Differentials in Male and Female North Sea Plaice and Changes in Maturation and Fecundity. <i>Lecture Notes in Biomathematics</i> , 1993, , 19-36.  | 0.3 | 25        |
| 132 | On the validity and precision of back-calculation of growth from otoliths of the plaice, <i>Pleuronectes platessa</i> L. <i>Fisheries Research</i> , 1990, 9, 97-117.                                     | 1.7 | 23        |
| 133 | Anchovy <i>Engraulis encrasicolus</i> diet in the North and Baltic Seas. <i>Journal of Sea Research</i> , 2011, 65, 131-140.  | 1.6 | 23        |
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