

# Esben Moland Olsen

## List of Publications by Year in descending order

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109  
papers

4,926  
citations

94433

37  
h-index

110387

64  
g-index

111  
all docs

111  
docs citations

111  
times ranked

5446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maturation trends indicative of rapid evolution preceded the collapse of northern cod. <i>Nature</i> , 2004, 428, 932-935.	27.8	703
2	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	5.8	289
3	Assessing changes in age and size at maturation in collapsing populations of Atlantic cod ( <i>Gadus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo 1.4 192	1.4	192
4	Are low but statistically significant levels of genetic differentiation in marine fishes "biologically meaningful"? A case study of coastal Atlantic cod. <i>Molecular Ecology</i> , 2011, 20, 768-783.	3.9	164
5	"Islands of Divergence" in the Atlantic Cod Genome Represent Polymorphic Chromosomal Rearrangements. <i>Genome Biology and Evolution</i> , 2016, 8, 1012-1022.	2.5	107
6	Seasonal mortality and the effect of body size: a review and an empirical test using individual data on brown trout. <i>Functional Ecology</i> , 2008, 22, 663-673.	3.6	100
7	Harvest selection on Atlantic cod behavioral traits: implications for spatial management. <i>Ecology and Evolution</i> , 2012, 2, 1549-1562.	1.9	93
8	Lobster and cod benefit from small-scale northern marine protected areas: inference from an empirical before-after control-impact study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122679.	2.6	92
9	An Evaluation of Visible Implant Elastomer for Marking Age-0 Brown Trout. <i>North American Journal of Fisheries Management</i> , 2001, 21, 967-970.	1.0	84
10	Spawning stock and recruitment in North Sea cod shaped by food and climate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 504-510.	2.6	83
11	Evolutionary and ecological constraints of fish spawning habitats. <i>ICES Journal of Marine Science</i> , 2015, 72, 285-296.	2.5	83
12	Egg distribution, bottom topography and small-scale cod population structure in a coastal marine system. <i>Marine Ecology - Progress Series</i> , 2007, 333, 249-255.	1.9	80
13	Climate and population density drive changes in cod body size throughout a century on the Norwegian coast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1961-1966.	7.1	79
14	Effects of copepod foraging behavior on predation risk: An experimental study of the predatory copepod <i>Pareuchaeta norvegica</i> feeding on <i>Acartia clausi</i> and <i>A. tonsa</i> (Copepoda). <i>Limnology and Oceanography</i> , 1997, 42, 164-170.	3.1	74
15	Mating patterns and determinants of individual reproductive success in brown trout ( <i>Salmo trutta</i> ) revealed by parentage analysis of an entire stream living population. <i>Molecular Ecology</i> , 2010, 19, 3193-3205.	3.9	71
16	Temperature-associated habitat selection in a cold-water marine fish. <i>Journal of Animal Ecology</i> , 2016, 85, 628-637.	2.8	71
17	Fitness landscape of Atlantic cod shaped by harvest selection and natural selection. <i>Evolutionary Ecology</i> , 2011, 25, 695-710.	1.2	70
18	Disentangling structural genomic and behavioural barriers in a sea of connectivity. <i>Molecular Ecology</i> , 2019, 28, 1394-1411.	3.9	68

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19	Small-scale biocomplexity in coastal Atlantic cod supporting a Darwinian perspective on fisheries management. <i>Evolutionary Applications</i> , 2008, 1, 524-533.	3.1	64
20	Small-scale genetic structure in a marine population in relation to water circulation and egg characteristics. <i>Ecology</i> , 2010, 91, 2918-2930.	3.2	62
21	Personalities influence spatial responses to environmental fluctuations in wild fish. <i>Journal of Animal Ecology</i> , 2018, 87, 1309-1319.	2.8	61
22	Home range of European lobster ( <i>Homarus gammarus</i> ) in a marine reserve: implications for future reserve design. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1197-1210.	1.4	60
23	Three-dimensional kernel utilization distributions improve estimates of space use in aquatic animals. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 565-572.	1.4	59
24	Nine decades of decreasing phenotypic variability in Atlantic cod. <i>Ecology Letters</i> , 2009, 12, 622-631.	6.4	58
25	Behavioral responses of Atlantic cod to sea temperature changes. <i>Ecology and Evolution</i> , 2015, 5, 2070-2083.	1.9	52
26	Life-history variation among local populations of Atlantic cod from the Norwegian Skagerrak coast. <i>Journal of Fish Biology</i> , 2004, 64, 1725-1730.	1.6	48
27	Individual level consistency and correlations of fish spatial behaviour assessed from aquatic animal telemetry. <i>Animal Behaviour</i> , 2017, 124, 83-94.	1.9	48
28	Home range and elevated egg densities within an inshore spawning ground of coastal cod. <i>ICES Journal of Marine Science</i> , 2007, 64, 920-928.	2.5	47
29	Non-additive effects of density-dependent and density-independent factors on brown trout vital rates. <i>Oikos</i> , 2008, 117, 1752-1760.	2.7	47
30	The role of MPAs in reconciling fisheries management with conservation of biological diversity. <i>Ocean and Coastal Management</i> , 2012, 69, 217-230.	4.4	47
31	Stable coexistence of genetically divergent Atlantic cod ecotypes at multiple spatial scales. <i>Evolutionary Applications</i> , 2018, 11, 1527-1539.	3.1	47
32	Marine feeding of anadromous <i>Salmo trutta</i> during winter. <i>Journal of Fish Biology</i> , 2004, 64, 89-99.	1.6	46
33	Maternal influences on offspring size variation and viability in wild European lobster <i>Homarus gammarus</i> . <i>Marine Ecology - Progress Series</i> , 2010, 400, 165-173.	1.9	44
34	Eight decades of sampling reveal a contemporary novel fish assemblage in coastal nursery habitats. <i>Global Change Biology</i> , 2016, 22, 1155-1167.	9.5	42
35	Impact of harvesting cleaner fish for salmonid aquaculture assessed from replicated coastal marine protected areas. <i>Marine Biology Research</i> , 2017, 13, 359-369.	0.7	42
36	Microgeographical variation in brown trout reproductive traits: possible effects of biotic interactions. <i>Oikos</i> , 2003, 100, 483-492.	2.7	40

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37	Conservation, Spillover and Gene Flow within a Network of Northern European Marine Protected Areas. <i>PLoS ONE</i> , 2013, 8, e73388.	2.5	40
38	Inferring individual fate from aquatic acoustic telemetry data. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1186-1198.	5.2	40
39	The Pillars of Hercules as a bathymetric barrier to gene flow promoting isolation in a global deep-sea shark ( <i>Cetorhynchus maximus</i> ). <i>Molecular Ecology</i> , 2015, 24, 6061-6079.	3.9	39
40	Short-Term Genetic Changes: Evaluating Effective Population Size Estimates in a Comprehensively Described Brown Trout ( <i>Salmo trutta</i> ) Population. <i>Genetics</i> , 2012, 191, 579-592.	2.9	38
41	Spatially structured interactions between lobsters and lobster fishers in a coastal habitat: fine-scale behaviour and survival estimated from acoustic telemetry. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 1468-1476.	1.4	37
42	Total Catch of a Red-Listed Marine Species Is an Order of Magnitude Higher than Official Data. <i>PLoS ONE</i> , 2012, 7, e31216.	2.5	37
43	Seasonal variation in marine growth of sea trout, <i>Salmo trutta</i> , in coastal Skagerrak. <i>Ecology of Freshwater Fish</i> , 2006, 15, 446-452.	1.4	36
44	Small-scale dispersal and population structure in stream-living brown trout ( <i>Salmo trutta</i> ) inferred by mark-recapture, pedigree reconstruction, and population genetics. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 1513-1524.	1.4	36
45	First-year survival of brown trout in three Norwegian streams. <i>Journal of Fish Biology</i> , 2003, 62, 323-340.	1.6	35
46	Pathogen-induced rapid evolution in a vertebrate life-history trait. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 35-41.	2.6	34
47	Life history and demographic determinants of effective/census size ratios as exemplified by brown trout ( <i>Salmo trutta</i> ). <i>Evolutionary Applications</i> , 2012, 5, 607-618.	3.1	34
48	Interacting effects of temperature and density on individual growth performance in a wild population of brown trout. <i>Freshwater Biology</i> , 2013, 58, 1329-1339.	2.4	34
49	Contrasting evolutionary demography induced by fishing: the role of adaptive phenotypic plasticity. , 2014, 24, 1101-1114.		34
50	Interspecific competition between stream-dwelling brown trout and Alpine bullhead. <i>Journal of Fish Biology</i> , 2003, 62, 1312-1325.	1.6	33
51	Harvesting changes mating behaviour in European lobster. <i>Evolutionary Applications</i> , 2018, 11, 963-977.	3.1	33
52	Sea temperature effects on depth use and habitat selection in a marine fish community. <i>Journal of Animal Ecology</i> , 2021, 90, 1787-1800.	2.8	32
53	The feeding strategies of two large marine copepods. <i>Journal of Plankton Research</i> , 2000, 22, 1513-1528.	1.8	31
54	Quantitative genetic parameters for wild stream-living brown trout: heritability and parental effects. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1631-1641.	1.7	31

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55	Demographic effects of full vs. partial protection from harvesting: inference from an empirical before-after control-impact study on Atlantic cod. <i>Journal of Applied Ecology</i> , 2015, 52, 1206-1215.	4.0	31
56	Activity patterns of wild European lobster <i>Homarus gammarus</i> in coastal marine reserves: implications for future reserve design. <i>Marine Ecology - Progress Series</i> , 2011, 429, 197-207.	1.9	30
57	Catch-and-release of Atlantic cod ( <i>Gadus morhua</i> ): post-release behaviour of acoustically pretagged fish in a natural marine environment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 252-261.	1.4	29
58	Male-biased sexual size dimorphism in the nest building corkwing wrasse ( <i>Symphodus melops</i> ): implications for a size regulated fishery. <i>ICES Journal of Marine Science</i> , 2016, 73, 2586-2594.	2.5	29
59	Fishing pressure impacts the abundance gradient of European lobsters across the borders of a newly established marine protected area. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182455.	2.6	29
60	Integral functions of marine vertebrates in the ocean carbon cycle and climate change mitigation. <i>One Earth</i> , 2021, 4, 680-693.	6.8	28
61	Evaluation of the Use of Visible Implant Tags in Age-0 Atlantic Cod. <i>North American Journal of Fisheries Management</i> , 2004, 24, 282-286.	1.0	27
62	Harvest Pressure on Coastal Atlantic Cod ( <i>Gadus morhua</i> ) from Recreational Fishing Relative to Commercial Fishing Assessed from Tag-Recovery Data. <i>PLoS ONE</i> , 2016, 11, e0149595.	2.5	26
63	New perspectives on fish movement: kernel and GAM smoothers applied to a century of tagging data on coastal Atlantic cod. <i>Marine Ecology - Progress Series</i> , 2008, 372, 231-241.	1.9	26
64	Estimates of survival of stream-dwelling brown trout using. <i>Journal of Fish Biology</i> , 2001, 59, 1622-1637.	1.6	25
65	Small-scale spatial variation in age and size at maturity of stream-dwelling brown trout, <i>Salmo trutta</i> . <i>Ecology of Freshwater Fish</i> , 2005, 14, 202-208.	1.4	25
66	Condition-dependent skipped spawning in anadromous brown trout ( <i>Salmo trutta</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 2313-2319.	1.4	25
67	Within-stream variation in early life-history traits in brown trout. <i>Journal of Fish Biology</i> , 2001, 59, 1579-1588.	1.6	24
68	Potential of contemporary evolution to erode fishery benefits from marine reserves. <i>Fish and Fisheries</i> , 2017, 18, 571-577.	5.3	24
69	Stabilizing selection on Atlantic cod supergenes through a millennium of extensive exploitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	22
70	Spatially structured interactions between a migratory pelagic predator, the Norwegian spring-spawning herring <i>Clupea harengus</i> L., and its zooplankton prey. <i>Journal of Fish Biology</i> , 2007, 70, 799-815.	1.6	21
71	Long-term decrease in sex-specific natural mortality of European lobster within a marine protected area. <i>Marine Ecology - Progress Series</i> , 2013, 491, 153-164.	1.9	21
72	Consistent movement traits indicative of innate behavior in neonate sharks. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 432-433, 131-137.	1.5	20

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73	Time at risk: Individual spatial behaviour drives effectiveness of marine protected areas and fitness. <i>Biological Conservation</i> , 2021, 263, 109333.	4.1	20
74	Seasonal Dynamics of Atlantic Herring ( <i>Clupea harengus</i> L.) Populations Spawning in the Vicinity of Marginal Habitats. <i>PLoS ONE</i> , 2014, 9, e111985.	2.5	19
75	Sex- and size-selective harvesting of corks wing wrasse ( <i>Symphodus melops</i> ) a cleaner fish used in salmonid aquaculture. <i>ICES Journal of Marine Science</i> , 2017, 74, 660-669.	2.5	19
76	Who is fishing on what stock: population-of-origin of individual cod ( <i>Gadus morhua</i> ) in commercial and recreational fisheries. <i>ICES Journal of Marine Science</i> , 2018, 75, 2153-2162.	2.5	19
77	Diel vertical migration patterns in juvenile cod from the Skagerrak coast. <i>Marine Ecology - Progress Series</i> , 2010, 405, 29-37.	1.9	19
78	Effects of Fishing Tourism in a Coastal Municipality: a Case Study from Risør, Norway. <i>Ecology and Society</i> , 2011, 16, .	2.3	18
79	Recruitment signals in juvenile cod surveys depend on thermal growth conditions. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 511-523.	1.4	17
80	Fine-scale population dynamics in a marine fish species inferred from dynamic state-space models. <i>Journal of Animal Ecology</i> , 2017, 86, 888-898.	2.8	16
81	Modelling drift of pelagic offspring: the importance of egg surveys in providing a realistic model initialization. <i>ICES Journal of Marine Science</i> , 2015, 72, 2578-2589.	2.5	14
82	Small-scale life history variability suggests potential for spatial mismatches in Atlantic cod management units. <i>ICES Journal of Marine Science</i> , 2016, 73, 286-292.	2.5	14
83	Causes of mortality in depleted populations of Atlantic cod estimated from multi-event modelling of mark-recapture and recovery data. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 116-126.	1.4	14
84	Harvest selection on multiple traits in the wild revealed by aquatic animal telemetry. <i>Ecology and Evolution</i> , 2019, 9, 6480-6491.	1.9	14
85	Migratory passage structures at hydropower plants as potential physiological and behavioural selective agents. <i>Royal Society Open Science</i> , 2019, 6, 190989.	2.4	14
86	Disparate movement behavior and feeding ecology in sympatric ecotypes of Atlantic cod. <i>Ecology and Evolution</i> , 2021, 11, 11477-11490.	1.9	14
87	Temporal variability in offspring quality and individual reproductive output in a broadcast-spawning marine fish. <i>ICES Journal of Marine Science</i> , 2018, 75, 1353-1361.	2.5	13
88	Selection on fish personality differs between a no-take marine reserve and fished areas. <i>Evolutionary Applications</i> , 2021, 14, 1807-1815.	3.1	12
89	Restoration of Abundance and Dynamics of Coastal Fish and Lobster Within Northern Marine Protected Areas Across Two Decades. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
90	Marine protected areas rescue a sexually selected trait in European lobster. <i>Evolutionary Applications</i> , 2020, 13, 2222-2233.	3.1	11

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91	Disentangling conditional effects of multiple regime shifts on Atlantic cod productivity. PLoS ONE, 2020, 15, e0237414.	2.5	11
92	Estimating Recreational and Commercial Fishing Effort for European Lobster <i>Homarus gammarus</i> by Strip Transect Sampling. Marine and Coastal Fisheries, 2011, 3, 383-393.	1.4	10
93	Protected areas buffer against harvest selection and rebuild phenotypic complexity. Ecological Applications, 2020, 30, e02108.	3.8	10
94	Technological creep masks continued decline in a lobster ( <i>Homarus gammarus</i> ) fishery over a century. Scientific Reports, 2022, 12, 3318.	3.3	10
95	Hydropower-induced selection of behavioural traits in Atlantic salmon ( <i>Salmo salar</i> ). Scientific Reports, 2021, 11, 16444.	3.3	9
96	Sibling size variation in brown trout ( <i>Salmo trutta</i> ) in relation to egg size and stream size. Journal of Fish Biology, 2009, 74, 1259-1268.	1.6	8
97	Potential of a no-take marine reserve to protect home ranges of anadromous brown trout ( <i>Salmo trutta</i> ) in a river. <i>Journal of Fish Biology</i> , 2019, 95, 1078-1094.	1.9	8
98	Lobster reserves as a management tool in coastal waters: Two decades of experience in Norway. Marine Policy, 2022, 136, 104908.	3.2	8
99	Eight decades of adaptive changes in herring reproductive investment: the joint effect of environment and exploitation. ICES Journal of Marine Science, 2021, 78, 631-639.	2.5	7
100	Fine-scale population differences in Atlantic cod reproductive success: A potential mechanism for ecological speciation in a marine fish. Ecology and Evolution, 2018, 8, 11634-11644.	1.9	6
101	Probabilistic maturation reaction norms assessed from mark-recaptures of wild fish in their natural habitat. Ecology and Evolution, 2014, 4, 1601-1610.	1.9	5
102	Possible adverse impact of contaminants on Atlantic cod population dynamics in coastal ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191167.	2.6	5
103	Potential for managing life history diversity in a commercially exploited intermediate predator, the goldsinny wrasse ( <i>Ctenolabrus rupestris</i> ). ICES Journal of Marine Science, 2019, 76, 410-417.	2.5	5
104	Anthropogenic and natural size-related selection act in concert during brown trout ( <i>Salmo trutta</i> ) smolt river descent. Hydrobiologia, 2022, 849, 557-570.	2.0	5
105	Life history of fjord cod from the Skagerrak in the mid-2000s compared to 1905. Marine Ecology - Progress Series, 2011, 424, 169-174.	1.9	4
106	Demographic responses to protection from harvesting in a long-lived marine species. Biological Conservation, 2021, 257, 109094.	4.1	3
107	Growth-rate variation in brown trout in small neighbouring streams: evidence for density-dependence?. Journal of Fish Biology, 2002, 61, 1513-1527.	1.6	3
108	Potential for managing life history diversity in a commercially exploited intermediate predator, the goldsinny wrasse ( <i>Ctenolabrus rupestris</i> ). ICES Journal of Marine Science, 2019, 76, 357-357.	2.5	1

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109	Non-additive effects of density-dependent and density-independent factors on brown trout vital rates. <i>Oikos</i> , 2008, , .	2.7	0