Halvor Knutsen

List of Publications by Year in descending order

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99 papers	3,857 citations	109321 35 h-index	149698 56 g-index
104 all docs	104 docs citations	104 times ranked	4320 citing authors

#	Article	IF	Citations
1	Lobster reserves as a management tool in coastal waters: Two decades of experience in Norway. Marine Policy, 2022, 136, 104908.	3.2	8
2	Stabilizing selection on Atlantic cod supergenes through a millennium of extensive exploitation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	22
3	Combining population genomics with demographic analyses highlights habitat patchiness and larval dispersal as determinants of connectivity in coastal fish species. Molecular Ecology, 2022, 31, 2562-2577.	3.9	13
4	Highly mixed impacts of nearâ€future climate change on stock productivity proxies in the North East Atlantic. Fish and Fisheries, 2022, 23, 601-615.	5.3	24
5	Geographic variation in gene flow from a genetically distinct migratory ecotype drives population genetic structure of coastal Atlantic cod (Gadus morhua L.). Evolutionary Applications, 2022, 15, 1162-1176.	3.1	8
6	First measurements of field metabolic rate in wild juvenile fishes show strong thermal sensitivity but variations between sympatric ecotypes. Oikos, 2021, 130, 287-299.	2.7	19
7	Not that clean: Aquacultureâ€mediated translocation of cleaner fish has led to hybridization on the northern edge of the species' range. Evolutionary Applications, 2021, 14, 1572-1587.	3.1	10
8	Demographic responses to protection from harvesting in a long-lived marine species. Biological Conservation, 2021, 257, 109094.	4.1	3
9	Selection on fish personality differs between a noâ€take marine reserve and fished areas. Evolutionary Applications, 2021, 14, 1807-1815.	3.1	12
10	Restoration of Abundance and Dynamics of Coastal Fish and Lobster Within Northern Marine Protected Areas Across Two Decades. Frontiers in Marine Science, 2021, 8, .	2.5	12
11	Disparate movement behavior and feeding ecology in sympatric ecotypes of Atlantic cod. Ecology and Evolution, 2021, 11, 11477-11490.	1.9	14
12	Genetic structuring in Atlantic haddock contrasts with current management regimes. ICES Journal of Marine Science, 2021, 78, 1-13.	2.5	4
13	Local recruitment of Atlantic cod and putative source spawning areas in a coastal seascape. ICES Journal of Marine Science, 2021, 78, 3767-3779.	2.5	3
14	Demographic history has shaped the strongly differentiated corkwing wrasse populations in Northern Europe. Molecular Ecology, 2020, 29, 160-171.	3.9	20
15	â€œA cleaner breakâ€• Genetic divergence between geographic groups and sympatric phenotypes revealed in ballan wrasse (Labrus bergylta). Ecology and Evolution, 2020, 10, 6120-6135.	1.9	9
16	Settlement processes induce differences in daily growth rates between two co-existing ecotypes of juvenile cod Gadus morhua. Marine Ecology - Progress Series, 2020, 650, 175-189.	1.9	11
17	Response to comments by Cardinale et al. on â€œLocal cod (Gadus morhua) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coastâ€• by SvedÃng et al. (2019). ICES Journal of Marine Science, 2019, 76, 1212-1213.	2.5	0
18	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

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19	Local cod (Gadus morhua) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coast. ICES Journal of Marine Science, 2019, 76, 418-429.	2.5	10
20	Potential of a noâ€take marine reserve to protect home ranges of anadromous brown trout (<i>Salmo) Tj ETQq0 0 0 rgBT /Overlock 10	1.9	8
21	Disentangling structural genomic and behavioural barriers in a sea of connectivity. Molecular Ecology, 2019, 28, 1394-1411.	3.9	68
22	Inferring genetic connectivity in real populations, exemplified by coastal and oceanic Atlantic cod. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4945-4950.	7.1	12
23	A continuous genome assembly of the corkwing wrasse (Symphodus melops). Genomics, 2018, 110, 399-403.	2.9	13
24	Genetic homogeneity in the deep-sea grenadier Macrourus berglax across the North Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 132, 60-67.	1.4	5
25	Harvesting changes mating behaviour in European lobster. Evolutionary Applications, 2018, 11, 963-977.	3.1	33
26	Can we rely on selected genetic markers for population identification? Evidence from coastal Atlantic cod. Ecology and Evolution, 2018, 8, 12547-12558.	1.9	19
27	Fineâ€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
28	Cleaner fish escape salmon farms and hybridize with local wrasse populations. Royal Society Open Science, 2018, 5, 171752.	2.4	39
29	Stable coexistence of genetically divergent Atlantic cod ecotypes at multiple spatial scales. Evolutionary Applications, 2018, 11, 1527-1539.	3.1	47
30	Temporal variability in offspring quality and individual reproductive output in a broadcast-spawning marine fish. ICES Journal of Marine Science, 2018, 75, 1353-1361.	2.5	13
31	Who is fishing on what stock: population-of-origin of individual cod (Gadus morhua) in commercial and recreational fisheries. ICES Journal of Marine Science, 2018, 75, 2153-2162.	2.5	19
32	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	5.8	289
33	Norwegian fjords contain sub-populations of roundnose grenadier Coryphaenoides rupestris, a deep-water fish. Marine Ecology - Progress Series, 2018, 586, 181-192.	1.9	3
34	Replicated marine protected areas (MPAs) support movement of larger, but not more, European lobsters to neighbouring fished areas. Marine Ecology - Progress Series, 2018, 595, 123-133.	1.9	8
35	Impact of harvesting cleaner fish for salmonid aquaculture assessed from replicated coastal marine protected areas. Marine Biology Research, 2017, 13, 359-369.	0.7	42
36	Fineâ€scale population dynamics in a marine fish species inferred from dynamic stateâ€space models. Journal of Animal Ecology, 2017, 86, 888-898.	2.8	16

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37	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. Molecular Ecology, 2017, 26, 4452-4466.	3.9	130
38	Recruitment signals in juvenile cod surveys depend on thermal growth conditions. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 511-523.	1.4	17
39	Ancient DNA reveals the Arctic origin of Viking Age cod from Haithabu, Germany. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9152-9157.	7.1	66
40	Genetic population structure in Greenland halibut (Reinhardtius hippoglossoides) and its relevance to fishery management. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 475-485.	1.4	15
41	Genetic analysis of goldsinny wrasse reveals evolutionary insights into population connectivity and potential evidence of inadvertent translocation via aquaculture. ICES Journal of Marine Science, 2017, 74, 2135-2147.	2.5	23
42	The role of the Strait of Gibraltar in shaping the genetic structure of the Mediterranean Grenadier, Coryphaenoides mediterraneus, between the Atlantic and Mediterranean Sea. PLoS ONE, 2017, 12, e0174988.	2.5	6
43	Temperatureâ€associated habitat selection in a coldâ€water marine fish. Journal of Animal Ecology, 2016, 85, 628-637.	2.8	71
44	Is the ballan wrasse (Labrus bergylta) two species? Genetic analysis reveals within-species divergence associated with plain and spotted morphotype frequencies. Integrative Zoology, 2016, 11, 162-172.	2.6	16
45	Male-biased sexual size dimorphism in the nest building corkwing wrasse (Symphodus melops): implications for a size regulated fishery. ICES Journal of Marine Science, 2016, 73, 2586-2594.	2.5	29
46	Three chromosomal rearrangements promote genomic divergence between migratory and stationary ecotypes of Atlantic cod. Scientific Reports, 2016, 6, 23246.	3.3	128
47	â€œIslands of Divergenceâ€• in the Atlantic Cod Genome Represent Polymorphic Chromosomal Rearrangements. Genome Biology and Evolution, 2016, 8, 1012-1022.	2.5	107
48	Eight decades of sampling reveal a contemporary novel fish assemblage in coastal nursery habitats. Global Change Biology, 2016, 22, 1155-1167.	9.5	42
49	Population structure in Atlantic cod in the eastern North Sea-Skagerrak-Kattegat: early life stage dispersal and adult migration. BMC Research Notes, 2016, 9, 63.	1.4	49
50	Harvest Pressure on Coastal Atlantic Cod (Gadus morhua) from Recreational Fishing Relative to Commercial Fishing Assessed from Tag-Recovery Data. PLoS ONE, 2016, 11, e0149595.	2.5	26
51	Habitat Discontinuities Separate Genetically Divergent Populations of a Rocky Shore Marine Fish. PLoS ONE, 2016, 11, e0163052.	2.5	39
52	Behavioral responses of Atlantic cod to sea temperature changes. Ecology and Evolution, 2015, 5, 2070-2083.	1.9	52
53	The Pillars of Hercules as a bathymetric barrier to gene flow promoting isolation in a global deepâ€sea shark (<scp>C</scp>entroscymnus coelolepis). Molecular Ecology, 2015, 24, 6061-6079.	3.9	39
54	Effects of Large-Scale Releases on the Genetic Structure of Red Sea Bream (Pagrus major, Temminck et) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	19

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55	Does population genetic structure support present management regulations of the northern shrimp (Pandalus borealis) in Skagerrak and the North Sea?. ICES Journal of Marine Science, 2015, 72, 863-871.	2.5	19
56	Adaptation to Low Salinity Promotes Genomic Divergence in Atlantic Cod (Gadus morhua L.). Genome Biology and Evolution, 2015, 7, 1644-1663.	2.5	167
57	Genetic analyses of ling (Molva molva) in the Northeast Atlantic reveal patterns relevant to stock assessments and management advice. ICES Journal of Marine Science, 2015, 72, 635-641.	2.5	3
58	Genotype Reconstruction of Paternity in European Lobsters (Homarus gammarus). PLoS ONE, 2015, 10, e0139585.	2.5	12
59	Isolation and characterization of twenty microsatellite loci for the ballan wrasse, Labrus bergylta. Conservation Genetics Resources, 2014, 6, 425-428.	0.8	6
60	Ocean-scale connectivity and life cycle reconstruction in a deep-sea fish. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 1312-1323.	1.4	24
61	Habitat effects on population connectivity in a coastal seascape. Marine Ecology - Progress Series, 2014, 511, 153-163.	1.9	39
62	Lobster and cod benefit from small-scale northern marine protected areas: inference from an empirical beforeâ€“after control-impact study. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122679.	2.6	92
63	Climate Change and Genetic Structure of Leading Edge and Rear End Populations in a Northwards Shifting Marine Fish Species, the Corkwing Wrasse (Symphodus melops). PLoS ONE, 2013, 8, e67492.	2.5	40
64	Conservation, Spillover and Gene Flow within a Network of Northern European Marine Protected Areas. PLoS ONE, 2013, 8, e73388.	2.5	40
65	Northern refugia and recent expansion in the North Sea: the case of the wrasse Symphodus melops (Linnaeus, 1758). Ecology and Evolution, 2012, 2, 153-164.	1.9	32
66	Isolation and characterization of nuclear microsatellite loci in the northern shrimp, Pandalus borealis. Conservation Genetics Resources, 2012, 4, 109-112.	0.8	6
67	Population genetic structure in a deepwater fish Coryphaenoides rupestris: patterns and processes. Marine Ecology - Progress Series, 2012, 460, 233-246.	1.9	24
68	Are low but statistically significant levels of genetic differentiation in marine fishes â€˜biologically meaningfulâ€™? A case study of coastal Atlantic cod. Molecular Ecology, 2011, 20, 768-783.	3.9	164
69	Climate and population density drive changes in cod body size throughout a century on the Norwegian coast. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1961-1966.	7.1	79
70	Activity patterns of wild European lobster Homarus gammarus in coastal marine reserves: implications for future reserve design. Marine Ecology - Progress Series, 2011, 429, 197-207.	1.9	30
71	Development of twelve novel microsatellite loci in the European lobster (Homarus gammarus). Conservation Genetics Resources, 2010, 2, 233-236.	0.8	12
72	Mapping Biological Resources in the Coastal Zone: An Evaluation of Methods in a Pioneering Study from Norway. Ambio, 2010, 39, 148-158.	5.5	9

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73	Genetic diversity within and among Atlantic cod (Gadus morhua) farmed in marine cages: a proofâ€ofâ€concept study for the identification of escapees. Animal Genetics, 2010, 41, 515-522.	1.7	29
74	Smallâ€scale genetic structure in a marine population in relation to water circulation and egg characteristics. Ecology, 2010, 91, 2918-2930.	3.2	62
75	Diel vertical migration patterns in juvenile cod from the Skagerrak coast. Marine Ecology - Progress Series, 2010, 405, 29-37.	1.9	19
76	Isolation and characterisation of 11 microsatellite loci in the abyssal carapine grenadier Coryphaenoides carapinus (Actinoperygii, Macrouridae) and cross-amplification in two other deep-sea macrourid species. Conservation Genetics, 2009, 10, 1869-1871.	1.5	3
77	Development of eleven microsatellite loci in the deep-sea black scabbardfish (Aphanopus carbo). Conservation Genetics Resources, 2009, 1, 89-92.	0.8	2
78	Development of twelve microsatellite loci in the corkwing wrasse (Symphodus melops). Conservation Genetics Resources, 2009, 1, 433-436.	0.8	5
79	Bathymetric barriers promoting genetic structure in the deepwater demersal fish tusk (Brosme) Tj ETQq1 1 0.784314 rgBT /Overlo	3.9	54
80	Rapid polymerase chain reactionâ€“restriction fragment length polymorphism method for discrimination of the two Atlantic cryptic deepâ€sea species of scabbardfish. Molecular Ecology Resources, 2009, 9, 528-530.	4.8	10
81	Development of 10 microsatellite loci in the ling (Molva molva). Molecular Ecology Resources, 2009, 9, 1401-1403.	4.8	2
82	Smallâ€scale biocomplexity in coastal Atlantic cod supporting a Darwinian perspective on fisheries management. Evolutionary Applications, 2008, 1, 524-533.	3.1	64
83	Isolation and characterization of microsatellite loci in the deepâ€sea marine fish, the roundnose grenadier (Coryphaenoides rupestris). Molecular Ecology Resources, 2008, 8, 993-995.	4.8	5
84	New perspectives on fish movement: kernel and GAM smoothers applied to a century of tagging data on coastal Atlantic cod. Marine Ecology - Progress Series, 2008, 372, 231-241.	1.9	26
85	Home range and elevated egg densities within an inshore spawning ground of coastal cod. ICES Journal of Marine Science, 2007, 64, 920-928.	2.5	47
86	Population genetic structure in the North Atlantic Greenland halibut (Reinhardtius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (hip Aquatic Sciences, 2007, 64, 857-866.	1.4	49
87	Phylogeography and demographic history of the deep-sea fish Aphanopus carbo (Lowe, 1839) in the NE Atlantic: Vicariance followed by secondary contact or speciation?. Molecular Phylogenetics and Evolution, 2007, 42, 38-46.	2.7	43
88	Isolation and characterization of microsatellite loci in a marine fish species, the tusk (Brosme) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	1.7	4
89	Spatial scale of genetic structuring in coastal cod Gadus morhua and geographic extent of local populations. Marine Ecology - Progress Series, 2007, 343, 229-237.	1.9	80
90	Egg distribution, bottom topography and small-scale cod population structure in a coastal marine system. Marine Ecology - Progress Series, 2007, 333, 249-255.	1.9	80

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91	Seasonal variation in marine growth of sea trout, Salmo trutta, in coastal Skagerrak. Ecology of Freshwater Fish, 2006, 15, 446-452.	1.4	36
92	Ecological and genetic impact of Atlantic cod larval drift in the Skagerrak. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1085-1092.	2.6	50
93	Transport of North Sea cod larvae into the Skagerrak coastal populations. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1337-1344.	2.6	86
94	Marine feeding of anadromous Salmo trutta during winter. Journal of Fish Biology, 2004, 64, 89-99.	1.6	46
95	Life-history variation among local populations of Atlantic cod from the Norwegian Skagerrak coast. Journal of Fish Biology, 2004, 64, 1725-1730.	1.6	48
96	Fine-scaled geographical population structuring in a highly mobile marine species: the Atlantic cod. Molecular Ecology, 2003, 12, 385-394.	3.9	316
97	Genetic evidence for mixed origin of recolonized sea trout populations. Heredity, 2001, 87, 207-214.	2.6	36
98	Food of anadromous brown trout at sea. Journal of Fish Biology, 2001, 59, 533-543.	1.6	68
99	Genetic differentiation among populations of the beetle Bolitophagus reticulatus (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	60