Dorte Bekkevold

List of Publications by Year
in descending order

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68 papers	4,817 citations	117453 34 h-index	102304 66 g-index
77 all docs	77 docs citations	77 times ranked	5440 citing authors

#	Article	IF	Citations
1	ENVIRONMENTAL CORRELATES OF POPULATION DIFFERENTIATION IN ATLANTIC HERRING. Evolution; International Journal of Organic Evolution, 2005, 59, 2656-2668.	1.1	537
2	Application of SNPs for population genetics of nonmodel organisms: new opportunities and challenges. Molecular Ecology Resources, 2011, 11, 123-136.	2.2	391
3	Population genomics of marine fishes: identifying adaptive variation in space and time. Molecular Ecology, 2009, 18, 3128-3150.	2.0	271
4	Biocomplexity in a highly migratory pelagic marine fish, Atlantic herring. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1459-1464.	1.2	205
5	Environmental selection on transcriptomeâ€derived SNPs in a high gene flow marine fish, the Atlantic herring (Clupea harengus). Molecular Ecology, 2012, 21, 3686-3703.	2.0	205
6	Gene-associated markers provide tools for tackling illegal fishing and false eco-certification. Nature Communications, 2012, 3, 851.	5.8	199
7	Marine landscapes and population genetic structure of herring (Clupea harengus L.) in the Baltic Sea. Molecular Ecology, 2005, 14, 3219-3234.	2.0	192
8	DISENTANGLING THE EFFECTS OF EVOLUTIONARY, DEMOGRAPHIC, AND ENVIRONMENTAL FACTORS INFLUENCING GENETIC STRUCTURE OF NATURAL POPULATIONS: ATLANTIC HERRING AS A CASE STUDY. Evolution; International Journal of Organic Evolution, 2009, 63, 2939-2951.	1.1	183
9	Outlier <scp>SNP</scp> markers reveal fineâ€scale genetic structuring across <scp>E</scp>uropean hake populations (<scp>M</scp>erluccius merluccius). Molecular Ecology, 2014, 23, 118-135.	2.0	171
10	Long-term effective population sizes, temporal stability of genetic composition and potential for local adaptation in anadromous brown trout (Salmo trutta) populations. Molecular Ecology, 2002, 11, 2523-2535.	2.0	156
11	The sceptical optimist: challenges and perspectives for the application of environmental <scp>DNA</scp> in marine fisheries. Fish and Fisheries, 2018, 19, 751-768.	2.7	152
12	A genomic island linked to ecotype divergence in <scp>A</scp>tlantic cod. Molecular Ecology, 2013, 22, 2653-2667.	2.0	137
13	Detecting population structure in a high gene-flow species, Atlantic herring (Clupea harengus): direct, simultaneous evaluation of neutral vs putatively selected loci. Heredity, 2011, 106, 270-280.	1.2	126
14	Male reproductive competition in spawning aggregations of cod (Gadus morhua, L.). Molecular Ecology, 2002, 11, 91-102.	2.0	123
15	Mitogenome sequencing reveals shallow evolutionary histories and recent divergence time between morphologically and ecologically distinct European whitefish (Coregonus spp.). Molecular Ecology, 2012, 21, 2727-2742.	2.0	83
16	Depensation, probability of fertilization, and the mating system of Atlantic cod (Gadus morhua L.). ICES Journal of Marine Science, 2004, 61, 1144-1150.	1.2	79
17	Gene flow, effective population size and selection at major histocompatibility complex genes: brown trout in the Hardanger Fjord, Norway. Molecular Ecology, 2007, 16, 1413-1425.	2.0	73
18	Genetic impact of gadoid culture on wild fish populations: predictions, lessons from salmonids, and possibilities for minimizing adverse effects. ICES Journal of Marine Science, 2006, 63, 198-208.	1.2	68

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19	Assessing patterns of hybridization between North Atlantic eels using diagnostic single-nucleotide polymorphisms. Heredity, 2014, 112, 627-637.	1.2	65
20	Acromyrmex insinuator new species: an incipient social parasite of fungus-growing ants. Insectes Sociaux, 1998, 45, 457-471.	0.7	64
21	Responsible genetic approach to stock restoration, sea ranching and stock enhancement of marine fishes and invertebrates. Reviews in Fish Biology and Fisheries, 2017, 27, 615-649.	2.4	62
22	Recurrent convergent evolution at amino acid residue 261 in fish rhodopsin. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18473-18478.	3.3	59
23	Application and validation of otolith microstructure as a stock identification method in mixed Atlantic herring (Clupea harengus) stocks in the North Sea and western Baltic. ICES Journal of Marine Science, 2007, 64, 377-385.	1.2	55
24	Multiple mating and facultative polygyny in the Panamanian leafcutter ant Acromyrmex echinatior. Behavioral Ecology and Sociobiology, 1999, 46, 103-109.	0.6	54
25	SNP Discovery Using Next Generation Transcriptomic Sequencing in Atlantic Herring (Clupea) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	53
26	Ecological adaptation in Atlantic herring is associated with large shifts in allele frequencies at hundreds of loci. ELife, 2020, 9, .	2.8	51
27	Gene-associated markers can assign origin in a weakly structured fish, Atlantic herring. ICES Journal of Marine Science, 2015, 72, 1790-1801.	1.2	50
28	Local Adaptation at the Transcriptome Level in Brown Trout: Evidence from Early Life History Temperature Genomic Reaction Norms. PLoS ONE, 2014, 9, e85171.	1.1	49
29	Genetic detection of sex-specific dispersal in historical and contemporary populations of anadromous brown trout Salmo trutta. Molecular Ecology, 2004, 13, 1707-1712.	2.0	48
30	An assessment of the spatial scale of local adaptation in brown trout (Salmo trutta L.): footprints of selection at microsatellite DNA loci. Heredity, 2011, 106, 488-499.	1.2	48
31	Admixture analysis and stocking impact assessment in brown trout (Salmo trutta), estimated with incomplete baseline data. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 1853-1860.	0.7	47
32	Genetic analyses reveal complex dynamics within a marine fish management area. Evolutionary Applications, 2019, 12, 830-844.	1.5	46
33	Genetic population structure of European sprat Sprattus sprattus: differentiation across a steep environmental gradient in a small pelagic fish. Marine Ecology - Progress Series, 2009, 379, 213-224.	0.9	45
34	Genetic restoration of a stocked brown trout Salmo trutta population using microsatellite DNA analysis of historical and contemporary samples. Journal of Applied Ecology, 2006, 43, 669-679.	1.9	42
35	The battle between harvest and natural selection creates small and shy fish. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	36
36	Environmental correlates of population differentiation in Atlantic herring. Evolution; International Journal of Organic Evolution, 2005, 59, 2656-68.	1.1	36

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37	Importance of fish biodiversity for the management of fisheries and ecosystems. Fisheries Research, 2008, 90, 6-8.	0.9	33
38	Prey or predatorâ€"expanding the food web role of sandeel Ammodytes marinus. Marine Ecology - Progress Series, 2014, 516, 267-273.	0.9	29
39	High salinity tolerance in eggs and fry of a brackish Esox lucius population. Fisheries Management and Ecology, 2010, 17, 554-560.	1.0	27
40	Imprints from genetic drift and mutation imply relative divergence times across marine transition zones in a pan-European small pelagic fish (Sprattus sprattus). Heredity, 2012, 109, 96-107.	1.2	27
41	Northern European Salmo trutta (L.) populations are genetically divergent across geographical regions and environmental gradients. Evolutionary Applications, 2020, 13, 400-416.	1.5	26
42	Pike (Esox lucius L.) on the edge: consistent individual movement patterns in transitional waters of the western Baltic. Hydrobiologia, 2017, 784, 143-154.	1.0	25
43	Outlier Loci Detect Intraspecific Biodiversity amongst Spring and Autumn Spawning Herring across Local Scales. PLoS ONE, 2016, 11, e0148499.	1.1	25
44	From regionally predictable to locally complex population structure in a freshwater top predator: river systems are not always the unit of connectivity in <scp>N</scp>orthern <scp>P</scp>ike <scp>E</scp>sox lucius. Ecology of Freshwater Fish, 2015, 24, 305-316.	0.7	24
45	Genetic mixed-stock analysis of Atlantic herring populations in a mixed feeding area. Marine Ecology - Progress Series, 2011, 442, 187-199.	0.9	24
46	Divergent origins of sympatric herring population components determined using genetic mixture analysis. Marine Ecology - Progress Series, 2007, 337, 187-196.	0.9	21
47	A low-density SNP array for analyzing differential selection in freshwater and marine populations of threespine stickleback (Gasterosteus aculeatus). BMC Genomics, 2014, 15, 867.	1.2	18
48	Signatures of natural selection between life cycle stages separated by metamorphosis in European eel. BMC Genomics, 2015, 16, 600.	1.2	17
49	Genetic structure of West Greenland populations of lumpfish Cyclopterus lumpus. Journal of Fish Biology, 2016, 89, 2625-2642.	0.7	17
50	Weak genetic structure despite strong genomic signal in lesser sandeel in the North Sea. Evolutionary Applications, 2020, 13, 376-387.	1.5	17
51	Male size composition affects male reproductive variance in Atlantic cod Gadus morhua L. spawning aggregations. Journal of Fish Biology, 2006, 69, 945-950.	0.7	15
52	Genetic analysis redraws the management boundaries for the European sprat. Evolutionary Applications, 2020, 13, 1906-1922.	1.5	15
53	Evolution at two time frames: ancient structural variants involved in post-glacial divergence of the European plaice (Pleuronectes platessa). Heredity, 2021, 126, 668-683.	1.2	15
54	Drivers of neutral and adaptive differentiation in pike (Esox lucius) populations from contrasting environments. Molecular Ecology, 2022, 31, 1093-1110.	2.0	15

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55	Population genetic structure after 125Âyears of stocking in sea trout (Salmo trutta L.). Conservation Genetics, 2018, 19, 1123-1136.	0.8	13
56	The Nuclear Genome. , 2014, , 297-327.		12
57	Thermal and maternal environments shape the value of early hatching in a natural population of a strongly cannibalistic freshwater fish. Oecologia, 2015, 178, 951-965.	0.9	12
58	Nonâ€parallel divergence across freshwater and marine threeâ€spined stickleback Gasterosteus aculeatus populations. Journal of Fish Biology, 2017, 91, 175-194.	0.7	12
59	Genomic Signatures After Five Generations of Intensive Selective Breeding: Runs of Homozygosity and Genetic Diversity in Representative Domestic and Wild Populations of Turbot (Scophthalmus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	12
60	Estimating salinity stress via hsp70 expression in the invasive round goby (Neogobius melanostomus): implications for further range expansion. Hydrobiologia, 2021, 848, 421-429.	1.0	12
61	A spatial statistical approach for identifying population structuring of marine fish species: European sprat as a case study. ICES Journal of Marine Science, 2022, 79, 423-434.	1.2	11
62	The memory remains: application of historical DNA for scaling biodiversity loss. Molecular Ecology, 2012, 21, 1539-1541.	2.0	9
63	ENVIRONMENTAL CORRELATES OF POPULATION DIFFERENTIATION IN ATLANTIC HERRING. Evolution; International Journal of Organic Evolution, 2005, 59, 2656.	1.1	8
64	From DNA to biomass: opportunities and challenges in species quantification of bulk fisheries products. ICES Journal of Marine Science, 2020, 77, 2557-2566.	1.2	6
65	Weak population differentiation in northern European populations of the endangered anadromous clupeid Alosa fallax. Journal of Fish Biology, 2007, 71, 461-469.	0.7	5
66	Characterization of nine polymorphic microsatellite markers in sprat (Sprattus sprattus L.). Molecular Ecology Resources, 2008, 8, 861-863.	2.2	4
67	Genetic stock identification of sea trout (Salmo trutta L.) along the British North Sea Coast shows prevalent long-distance migration. ICES Journal of Marine Science, 2021, 78, 952-966.	1.2	4
68	Genetic response to humanâ€induced habitat changes in the marine environment: A century of evolution of European sprat in Landvikvannet, Norway. Ecology and Evolution, 2021, 11, 1691-1718.	0.8	4