Sissel Jentoft

List of Publications by Year
in descending order

80 papers	5,657 citations	117625 34 h-index	91884 69 g-index
100 all docs	100 docs citations	100 times ranked	5987 citing authors

#	Article	IF	Citations
1	Immunological tolerance in the evolution of male pregnancy. Molecular Ecology, 2023, 32, 819-840.	3.9	13
2	An accurate assignment test for extremely lowâ€coverage wholeâ€genome sequence data. Molecular Ecology Resources, 2022, 22, 1330-1344.	4.8	7
3	Characterization of Pipefish Immune Cell Populations Through Single-Cell Transcriptomics. Frontiers in Immunology, 2022, 13, 820152.	4.8	11
4	Supergene origin and maintenance in Atlantic cod. Nature Ecology and Evolution, 2022, 6, 469-481.	7.8	46
5	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
6	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
7	Ancient DNA reveals a southern presence of the Northeast Arctic cod during the Holocene. Biology Letters, 2022, 18, 20220021.	2.3	9
8	Understanding climate change response in the age of genomics. Journal of Animal Ecology, 2022, 91, 1056-1063.	2.8	9
9	Drivers and dynamics of a massive adaptive radiation in cichlid fishes. Nature, 2021, 589, 76-81.	27.8	151
10	Genomic stability through time despite decades of exploitation in cod on both sides of the Atlantic. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	61
11	Historical Demographic Processes Dominate Genetic Variation in Ancient Atlantic Cod Mitogenomes. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	9
12	Demographic history has shaped the strongly differentiated corkwing wrasse populations in Northern Europe. Molecular Ecology, 2020, 29, 160-171.	3.9	20
13	Single-Cell Transcriptome Profiling of Immune Cell Repertoire of the Atlantic Cod Which Naturally Lacks the Major Histocompatibility Class II System. Frontiers in Immunology, 2020, 11, 559555.	4.8	24
14	Innovation in Nucleotide-Binding Oligomerization-Like Receptor and Toll-Like Receptor Sensing Drives the Major Histocompatibility Complex-II Free Atlantic Cod Immune System. Frontiers in Immunology, 2020, 11, 609456.	4.8	5
15	Shared ancestral polymorphisms and chromosomal rearrangements as potential drivers of local adaptation in a marine fish. Molecular Ecology, 2020, 29, 2379-2398.	3.9	48
16	Metagenomic Shotgun Analyses Reveal Complex Patterns of Intra- and Interspecific Variation in the Intestinal Microbiomes of Codfishes. Applied and Environmental Microbiology, 2020, 86, .	3.1	23
17	The Genome of the Great Gerbil Reveals Species-Specific Duplication of an MHCII Gene. Genome Biology and Evolution, 2020, 12, 3832-3849.	2.5	5
18	Evolution of male pregnancy associated with remodeling of canonical vertebrate immunity in seahorses and pipefishes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9431-9439.	7.1	93

#	Article	IF	Citations
19	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
20	Assessing SNP-markers to study population mixing and ecological adaptation in Baltic cod. PLoS ONE, 2019, 14, e0218127.	2.5	24
21	Interbreeding between local and translocated populations of a cleaner fish in an experimental mesocosm predicts risk of disrupted local adaptation. Ecology and Evolution, 2019, 9, 6665-6677.	1.9	9
22	Whole transcriptome analysis of the Atlantic cod vaccine response reveals subtle changes in adaptive immunity. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 31, 100597.	1.0	30
23	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
24	Vision using multiple distinct rod opsins in deep-sea fishes. Science, 2019, 364, 588-592.	12.6	151
25	Switching on the light: using metagenomic shotgun sequencing to characterize the intestinal microbiome of Atlantic cod. Environmental Microbiology, 2019, 21, 2576-2594.	3.8	27
26	Disentangling the immune response and host-pathogen interactions in Francisella noatunensis infected Atlantic cod. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 30, 333-346.	1.0	31
27	Full characterization and transcript expression profiling of the interferon regulatory factor (IRF) gene family in Atlantic cod (Gadus morhua). Developmental and Comparative Immunology, 2019, 98, 166-180.	2.3	31
28	Disentangling structural genomic and behavioural barriers in a sea of connectivity. Molecular Ecology, 2019, 28, 1394-1411.	3.9	68
29	Longâ€read sequence capture of the haemoglobin gene clusters across codfish species. Molecular Ecology Resources, 2019, 19, 245-259.	4.8	9
30	Ticket to spawn: Combining economic and genetic data to evaluate the effect of climate and demographic structure on spawning distribution in Atlantic cod. Global Change Biology, 2019, 25, 134-143.	9.5	23
31	A continuous genome assembly of the corkwing wrasse (Symphodus melops). Genomics, 2018, 110, 399-403.	2.9	13
32	De Novo Gene Evolution of Antifreeze Glycoproteins in Codfishes Revealed by Whole Genome Sequence Data. Molecular Biology and Evolution, 2018, 35, 593-606.	8.9	67
33	Genomic architecture of haddock (Melanogrammus aeglefinus) shows expansions of innate immune genes and short tandem repeats. BMC Genomics, 2018, 19, 240.	2.8	58
34	The Grayling Genome Reveals Selection on Gene Expression Regulation after Whole-Genome Duplication. Genome Biology and Evolution, 2018, 10, 2785-2800.	2.5	42
35	â€œOut of the Canâ€• A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine, Sardina pilchardus. Genes, 2018, 9, 485.	2.4	30
36	A Single Vibrionales 16S rRNA Oligotype Dominates the Intestinal Microbiome in Two Geographically Separated Atlantic cod Populations. Frontiers in Microbiology, 2018, 9, 1561.	3.5	18

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37	Loss of stomach, loss of appetite? Sequencing of the ballan wrasse (Labrus bergylta) genome and intestinal transcriptomic profiling illuminate the evolution of loss of stomach function in fish. BMC Genomics, 2018, 19, 186.	2.8	48
38	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
39	Whole genome sequencing data and de novo draft assemblies for 66 teleost species. Scientific Data, 2017, 4, 160132.	5.3	67
40	An improved genome assembly uncovers prolific tandem repeats in Atlantic cod. BMC Genomics, 2017, 18, 95.	2.8	153
41	Linking species habitat and past palaeoclimatic events to evolution of the teleost innate immune system. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162810.	2.6	60
42	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. Molecular Ecology, 2017, 26, 4452-4466.	3.9	130
43	Evolution of Hemoglobin Genes in Codfishes Influenced by Ocean Depth. Scientific Reports, 2017, 7, 7956.	3.3	22
44	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
45	Genomic Differentiation and Demographic Histories of Atlantic and Indo-Pacific Yellowfin Tuna (Thunnus albacares) Populations. Genome Biology and Evolution, 2017, 9, 1084-1098.	2.5	46
46	Trans-oceanic genomic divergence of Atlantic cod ecotypes is associated with large inversions. Heredity, 2017, 119, 418-428.	2.6	108
47	Novel adverse outcome pathways revealed by chemical genetics in a developing marine fish. ELife, 2017, 6, .	6.0	87
48	Successive Losses of Central Immune Genes Characterize the Gadiformesâ€™ Alternate Immunity. Genome Biology and Evolution, 2016, 8, 3508-3515.	2.5	30
49	The new era of genome sequencing using high-throughput sequencing technology: generation of the first version of the Atlantic cod genome. , 2016, , 1-20.		1
50	An improved version of theÂAtlantic cod genome andÂadvancements in functionalÂgenomics: implicationsÂforÂthe future of cod farming. , 2016, , 45-72.		25
51	Future perspective. , 2016, , 275-277.		1
52	Evolutionary redesign of the Atlantic cod (Gadus morhua L.) Toll-like receptor repertoire by gene losses and expansions. Scientific Reports, 2016, 6, 25211.	3.3	89
53	Developmental transcriptomics in Atlantic haddock: Illuminating pattern formation and organogenesis in non-model vertebrates. Developmental Biology, 2016, 411, 301-313.	2.0	22
54	The Atlantic salmon genome provides insights into rediploidization. Nature, 2016, 533, 200-205.	27.8	1,021

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55	Evolution of the immune system influences speciation rates in teleost fishes. Nature Genetics, 2016, 48, 1204-1210.	21.4	226
56	Genomics of speciation and introgression in Princess cichlid fishes from Lake Tanganyika. Molecular Ecology, 2016, 25, 6143-6161.	3.9	68
57	Genomic characterization of the Atlantic cod sex-locus. Scientific Reports, 2016, 6, 31235.	3.3	34
58	Three chromosomal rearrangements promote genomic divergence between migratory and stationary ecotypes of Atlantic cod. Scientific Reports, 2016, 6, 23246.	3.3	128
59	Crude oil exposures reveal roles for intracellular calcium cycling in haddock craniofacial and cardiac development. Scientific Reports, 2016, 6, 31058.	3.3	94
60	Preferential amplification of repetitive DNA during whole genome sequencing library creation from historic samples. Science and Technology of Archaeological Research, 2016, 2, 36-45.	2.4	14
61	â€œIslands of Divergenceâ€•in the Atlantic Cod Genome Represent Polymorphic Chromosomal Rearrangements. Genome Biology and Evolution, 2016, 8, 1012-1022.	2.5	107
62	Long live the alien: is high genetic diversity a pivotal aspect of crested porcupine (<i>Hystrix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	3.9	29
63	Unexpected Interaction with Dispersed Crude Oil Droplets Drives Severe Toxicity in Atlantic Haddock Embryos. PLoS ONE, 2015, 10, e0124376.	2.5	85
64	Evolutionary history and adaptive significance of the polymorphic Pan I in migratory and stationary populations of Atlantic cod (Gadus morhua). Marine Genomics, 2015, 22, 45-54.	1.1	10
65	Rhodopsin Gene Polymorphism Associated with Divergent Light Environments in Atlantic Cod. Behavior Genetics, 2015, 45, 236-244.	2.1	23
66	Ancestral duplications and highly dynamic opsin gene evolution in percomorph fishes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1493-1498.	7.1	129
67	Adaptation to Low Salinity Promotes Genomic Divergence in Atlantic Cod (Gadus morhua L.). Genome Biology and Evolution, 2015, 7, 1644-1663.	2.5	167
68	The conserved Phe GH5 of importance for hemoglobin intersubunit contact is mutated in gadoid fish. BMC Evolutionary Biology, 2014, 14, 54.	3.2	4
69	Palindromic Sequence Artifacts Generated during Next Generation Sequencing Library Preparation from Historic and Ancient DNA. PLoS ONE, 2014, 9, e89676.	2.5	27
70	Next generation sequencing shows high variation of the intestinal microbial species composition in Atlantic cod caught at a single location. BMC Microbiology, 2013, 13, 248.	3.3	98
71	Unraveling the Evolution of the Atlantic Codâ€™s (Gadus morhua L.) Alternative Immune Strategy. PLoS ONE, 2013, 8, e74004.	2.5	64
72	Why does the immune system of Atlantic cod lack MHC II?. BioEssays, 2012, 34, 648-651.	2.5	72

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73	The genome sequence of Atlantic cod reveals a unique immune system. Nature, 2011, 477, 207-210.	27.8	730
74	Effects of Tank Wall Color and Up-welling Water Flow on Growth and Survival of Eurasian Perch Larvae (Perca fluviatilis). Journal of the World Aquaculture Society, 2006, 37, 313-317.	2.4	41
75	Effects of stress on growth, cortisol and glucose levels in non-domesticated Eurasian perch (Perca) Tj ETQq1 1 0.784314 rgBT /Overlock Physiology Part A, Molecular & Integrative Physiology, 2005, 141, 353-358.	1.8	189
76	Lack of growth enhancement by exogenous growth hormone treatment in yellow perch (Perca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.5	7
77	Molecular cloning and expression of insulin-like growth factor-I (IGF-I) in Eurasian perch (Perca) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2004, 30, 67-76.	2.3	14
78	Ontogeny of the cortisol stress response in yellow perch (Perca flavescens). Fish Physiology and Biochemistry, 2002, 26, 371-378.	2.3	55
79	Application of eDNA Metagenomics to Describe Freshwater Fish Communities. , 0, , .		0
80	Evaluating Environmental DNA Efficiency in the Detection of Freshwater Species in a System with High Endemism. , 0, , .		0