

# Sissel Jentoft

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1776547/publications.pdf>

Version: 2024-02-01

80  
papers

5,657  
citations

117571

34  
h-index

91828

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. <i>Molecular Ecology</i> , 2023, 32, 819-840.	2.0	13
2	An accurate assignment test for extremely low-coverage whole-genome sequence data. <i>Molecular Ecology Resources</i> , 2022, 22, 1330-1344.	2.2	7
3	Characterization of Pipefish Immune Cell Populations Through Single-Cell Transcriptomics. <i>Frontiers in Immunology</i> , 2022, 13, 820152.	2.2	11
4	Supergene origin and maintenance in Atlantic cod. <i>Nature Ecology and Evolution</i> , 2022, 6, 469-481.	3.4	46
5	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, .	3.3	22
6	Combining population genomics with demographic analyses highlights habitat patchiness and larval dispersal as determinants of connectivity in coastal fish species. <i>Molecular Ecology</i> , 2022, 31, 2562-2577.	2.0	13
7	Ancient DNA reveals a southern presence of the Northeast Arctic cod during the Holocene. <i>Biology Letters</i> , 2022, 18, 20220021.	1.0	9
8	Understanding climate change response in the age of genomics. <i>Journal of Animal Ecology</i> , 2022, 91, 1056-1063.	1.3	9
9	Drivers and dynamics of a massive adaptive radiation in cichlid fishes. <i>Nature</i> , 2021, 589, 76-81.	13.7	151
10	Genomic stability through time despite decades of exploitation in cod on both sides of the Atlantic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	61
11	Historical Demographic Processes Dominate Genetic Variation in Ancient Atlantic Cod Mitogenomes. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	9
12	Demographic history has shaped the strongly differentiated corkwing wrasse populations in Northern Europe. <i>Molecular Ecology</i> , 2020, 29, 160-171.	2.0	20
13	Single-Cell Transcriptome Profiling of Immune Cell Repertoire of the Atlantic Cod Which Naturally Lacks the Major Histocompatibility Class II System. <i>Frontiers in Immunology</i> , 2020, 11, 559555.	2.2	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. <i>Frontiers in Immunology</i> , 2020, 11, 609456.	2.2	5
15	Shared ancestral polymorphisms and chromosomal rearrangements as potential drivers of local adaptation in a marine fish. <i>Molecular Ecology</i> , 2020, 29, 2379-2398.	2.0	48
16	Metagenomic Shotgun Analyses Reveal Complex Patterns of Intra- and Interspecific Variation in the Intestinal Microbiomes of Codfishes. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	23
17	The Genome of the Great Gerbil Reveals Species-Specific Duplication of an MHCII Gene. <i>Genome Biology and Evolution</i> , 2020, 12, 3832-3849.	1.1	5
18	Evolution of male pregnancy associated with remodeling of canonical vertebrate immunity in seahorses and pipefishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9431-9439.	3.3	93

#	ARTICLE	IF	CITATIONS
19	Response to comments by Cardinale et al. on "Local cod ( <i>Gadus morhua</i> ) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coast" by SvedÅng et al. (2019). <i>ICES Journal of Marine Science</i> , 2019, 76, 1212-1213.	1.2	0
20	Assessing SNP-markers to study population mixing and ecological adaptation in Baltic cod. <i>PLoS ONE</i> , 2019, 14, e0218127.	1.1	24
21	Interbreeding between local and translocated populations of a cleaner fish in an experimental mesocosm predicts risk of disrupted local adaptation. <i>Ecology and Evolution</i> , 2019, 9, 6665-6677.	0.8	9
22	Whole transcriptome analysis of the Atlantic cod vaccine response reveals subtle changes in adaptive immunity. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 31, 100597.	0.4	30
23	Local cod ( <i>Gadus morhua</i> ) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coast. <i>ICES Journal of Marine Science</i> , 2019, 76, 418-429.	1.2	10
24	Vision using multiple distinct rod opsins in deep-sea fishes. <i>Science</i> , 2019, 364, 588-592.	6.0	151
25	Switching on the light: using metagenomic shotgun sequencing to characterize the intestinal microbiome of Atlantic cod. <i>Environmental Microbiology</i> , 2019, 21, 2576-2594.	1.8	27
26	Disentangling the immune response and host-pathogen interactions in <i>Francisella noatunensis</i> infected Atlantic cod. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 30, 333-346.	0.4	31
27	Full characterization and transcript expression profiling of the interferon regulatory factor (IRF) gene family in Atlantic cod ( <i>Gadus morhua</i> ). <i>Developmental and Comparative Immunology</i> , 2019, 98, 166-180.	1.0	31
28	Disentangling structural genomic and behavioural barriers in a sea of connectivity. <i>Molecular Ecology</i> , 2019, 28, 1394-1411.	2.0	68
29	Long-read sequence capture of the haemoglobin gene clusters across codfish species. <i>Molecular Ecology Resources</i> , 2019, 19, 245-259.	2.2	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. <i>Global Change Biology</i> , 2019, 25, 134-143.	4.2	23
31	A continuous genome assembly of the corkwing wrasse ( <i>Symphodus melops</i> ). <i>Genomics</i> , 2018, 110, 399-403.	1.3	13
32	De Novo Gene Evolution of Antifreeze Glycoproteins in Codfishes Revealed by Whole Genome Sequence Data. <i>Molecular Biology and Evolution</i> , 2018, 35, 593-606.	3.5	67
33	Genomic architecture of haddock ( <i>Melanogrammus aeglefinus</i> ) shows expansions of innate immune genes and short tandem repeats. <i>BMC Genomics</i> , 2018, 19, 240.	1.2	58
34	The Grayling Genome Reveals Selection on Gene Expression Regulation after Whole-Genome Duplication. <i>Genome Biology and Evolution</i> , 2018, 10, 2785-2800.	1.1	42
35	"Out of the Can": A Draft Genome Assembly, Liver Transcriptome, and Nutrigenomics of the European Sardine, <i>Sardina pilchardus</i> . <i>Genes</i> , 2018, 9, 485.	1.0	30
36	A Single Vibrionales 16S rRNA Oligotype Dominates the Intestinal Microbiome in Two Geographically Separated Atlantic cod Populations. <i>Frontiers in Microbiology</i> , 2018, 9, 1561.	1.5	18

#	ARTICLE	IF	CITATIONS
37	Loss of stomach, loss of appetite? Sequencing of the ballan wrasse ( <i>Labrus bergylta</i> ) genome and intestinal transcriptomic profiling illuminate the evolution of loss of stomach function in fish. <i>BMC Genomics</i> , 2018, 19, 186.	1.2	48
38	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.	1.2	19
39	Whole genome sequencing data and de novo draft assemblies for 66 teleost species. <i>Scientific Data</i> , 2017, 4, 160132.	2.4	67
40	An improved genome assembly uncovers prolific tandem repeats in Atlantic cod. <i>BMC Genomics</i> , 2017, 18, 95.	1.2	153
41	Linking species habitat and past palaeoclimatic events to evolution of the teleost innate immune system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162810.	1.2	60
42	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. <i>Molecular Ecology</i> , 2017, 26, 4452-4466.	2.0	130
43	Evolution of Hemoglobin Genes in Codfishes Influenced by Ocean Depth. <i>Scientific Reports</i> , 2017, 7, 7956.	1.6	22
44	Ancient DNA reveals the Arctic origin of Viking Age cod from Haithabu, Germany. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9152-9157.	3.3	66
45	Genomic Differentiation and Demographic Histories of Atlantic and Indo-Pacific Yellowfin Tuna ( <i>Thunnus albacares</i> ) Populations. <i>Genome Biology and Evolution</i> , 2017, 9, 1084-1098.	1.1	46
46	Trans-oceanic genomic divergence of Atlantic cod ecotypes is associated with large inversions. <i>Heredity</i> , 2017, 119, 418-428.	1.2	108
47	Novel adverse outcome pathways revealed by chemical genetics in a developing marine fish. <i>ELife</i> , 2017, 6, .	2.8	87
48	Successive Losses of Central Immune Genes Characterize the Gadiformes' Alternate Immunity. <i>Genome Biology and Evolution</i> , 2016, 8, 3508-3515.	1.1	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 the Atlantic cod genome and advancements in functional genomics: implications for the future of cod farming. , 2016, , 45-72.		25
51	Future perspective. , 2016, , 275-277.		1
52	Evolutionary redesign of the Atlantic cod ( <i>Gadus morhua</i> L.) Toll-like receptor repertoire by gene losses and expansions. <i>Scientific Reports</i> , 2016, 6, 25211.	1.6	89
53	Developmental transcriptomics in Atlantic haddock: Illuminating pattern formation and organogenesis in non-model vertebrates. <i>Developmental Biology</i> , 2016, 411, 301-313.	0.9	22
54	The Atlantic salmon genome provides insights into rediploidization. <i>Nature</i> , 2016, 533, 200-205.	13.7	1,021

#	ARTICLE	IF	CITATIONS
55	Evolution of the immune system influences speciation rates in teleost fishes. <i>Nature Genetics</i> , 2016, 48, 1204-1210.	9.4	226
56	Genomics of speciation and introgression in Princess cichlid fishes from Lake Tanganyika. <i>Molecular Ecology</i> , 2016, 25, 6143-6161.	2.0	68
57	Genomic characterization of the Atlantic cod sex-locus. <i>Scientific Reports</i> , 2016, 6, 31235.	1.6	34
58	Three chromosomal rearrangements promote genomic divergence between migratory and stationary ecotypes of Atlantic cod. <i>Scientific Reports</i> , 2016, 6, 23246.	1.6	128
59	Crude oil exposures reveal roles for intracellular calcium cycling in haddock craniofacial and cardiac development. <i>Scientific Reports</i> , 2016, 6, 31058.	1.6	94
60	Preferential amplification of repetitive DNA during whole genome sequencing library creation from historic samples. <i>Science and Technology of Archaeological Research</i> , 2016, 2, 36-45.	2.4	14
61	“Islands of Divergence” in the Atlantic Cod Genome Represent Polymorphic Chromosomal Rearrangements. <i>Genome Biology and Evolution</i> , 2016, 8, 1012-1022.	1.1	107
62	Long live the alien: is high genetic diversity a pivotal aspect of crested porcupine ( <i>Hystrix</i> )? <i>Journal of Biogeography</i> , 2016, 43, 504-512.	2.0	29
63	Unexpected Interaction with Dispersed Crude Oil Droplets Drives Severe Toxicity in Atlantic Haddock Embryos. <i>PLoS ONE</i> , 2015, 10, e0124376.	1.1	85
64	Evolutionary history and adaptive significance of the polymorphic Pan I in migratory and stationary populations of Atlantic cod ( <i>Gadus morhua</i> ). <i>Marine Genomics</i> , 2015, 22, 45-54.	0.4	10
65	Rhodopsin Gene Polymorphism Associated with Divergent Light Environments in Atlantic Cod. <i>Behavior Genetics</i> , 2015, 45, 236-244.	1.4	23
66	Ancestral duplications and highly dynamic opsin gene evolution in percomorph fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1493-1498.	3.3	129
67	Adaptation to Low Salinity Promotes Genomic Divergence in Atlantic Cod ( <i>Gadus morhua</i> L.). <i>Genome Biology and Evolution</i> , 2015, 7, 1644-1663.	1.1	167
68	The conserved Phe GH5 of importance for hemoglobin intersubunit contact is mutated in gadoid fish. <i>BMC Evolutionary Biology</i> , 2014, 14, 54.	3.2	4
69	Palindromic Sequence Artifacts Generated during Next Generation Sequencing Library Preparation from Historic and Ancient DNA. <i>PLoS ONE</i> , 2014, 9, e89676.	1.1	27
70	Next generation sequencing shows high variation of the intestinal microbial species composition in Atlantic cod caught at a single location. <i>BMC Microbiology</i> , 2013, 13, 248.	1.3	98
71	Unraveling the Evolution of the Atlantic Cod’s ( <i>Gadus morhua</i> L.) Alternative Immune Strategy. <i>PLoS ONE</i> , 2013, 8, e74004.	1.1	64
72	Why does the immune system of Atlantic cod lack MHC II?. <i>BioEssays</i> , 2012, 34, 648-651.	1.2	72

#	ARTICLE	IF	CITATIONS
73	The genome sequence of Atlantic cod reveals a unique immune system. <i>Nature</i> , 2011, 477, 207-210.	13.7	730
74	Effects of Tank Wall Color and Up-welling Water Flow on Growth and Survival of Eurasian Perch Larvae ( <i>Perca fluviatilis</i> ). <i>Journal of the World Aquaculture Society</i> , 2006, 37, 313-317.	1.2	41
75	Effects of stress on growth, cortisol and glucose levels in non-domesticated Eurasian perch ( <i>Perca</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62 <i>Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2005, 141, 353-358.	0.8	189
76	Lack of growth enhancement by exogenous growth hormone treatment in yellow perch ( <i>Perca</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.7	10
77	Molecular cloning and expression of insulin-like growth factor-I (IGF-I) in Eurasian perch ( <i>Perca</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2004, 30, 67-76.	0.9	14
78	Ontogeny of the cortisol stress response in yellow perch ( <i>Perca flavescens</i> ). <i>Fish Physiology and Biochemistry</i> , 2002, 26, 371-378.	0.9	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