

Tutku Aykanat

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,314
citations

471509

17
h-index

501196

28
g-index

45
all docs

45
docs citations

45
times ranked

1356
citing authors

#	ARTICLE	IF	CITATIONS
1	Refining the genomic location of single nucleotide polymorphism variation affecting Atlantic salmon maturation timing at a key large-effect locus. <i>Molecular Ecology</i> , 2022, 31, 562-570.	3.9	14
2	Genetic coupling of life-history and aerobic performance in Atlantic salmon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212500.	2.6	9
3	Standard metabolic rate does not associate with age-at-maturity genotype in juvenile Atlantic salmon. <i>Ecology and Evolution</i> , 2022, 12, e8408.	1.9	5
4	Rapid evolution in salmon life history induced by direct and indirect effects of fishing. <i>Science</i> , 2022, 376, 420-423.	12.6	31
5	Heterogeneous genetic basis of age at maturity in salmonid fishes. <i>Molecular Ecology</i> , 2021, 30, 1435-1456.	3.9	29
6	Maturation in Atlantic salmon (<i>Salmo salar</i> , Salmonidae): a synthesis of ecological, genetic, and molecular processes. <i>Reviews in Fish Biology and Fisheries</i> , 2021, 31, 523-571.	4.9	45
7	Polygenic and major-locus contributions to sexual maturation timing in Atlantic salmon. <i>Molecular Ecology</i> , 2021, 30, 4505-4519.	3.9	43
8	Captive-bred Atlantic salmon released into the wild have fewer offspring than wild-bred fish and decrease population productivity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201671.	2.6	30
9	Transcription Profiles of Age-at-Maturity-Associated Genes Suggest Cell Fate Commitment Regulation as a Key Factor in the Atlantic Salmon Maturation Process. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 235-246.	1.8	31
10	Life-history genomic regions explain differences in Atlantic salmon marine diet specialization. <i>Journal of Animal Ecology</i> , 2020, 89, 2677-2691.	2.8	28
11	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon. <i>PLoS Genetics</i> , 2020, 16, e1009055.	3.5	29
12	Title is missing!. , 2020, 16, e1009055.		0
13	Title is missing!. , 2020, 16, e1009055.		0
14	Title is missing!. , 2020, 16, e1009055.		0
15	Title is missing!. , 2020, 16, e1009055.		0
16	Title is missing!. , 2020, 16, e1009055.		0
17	Title is missing!. , 2020, 16, e1009055.		0
18	Co-inheritance of sea age at maturity and iteroparity in the Atlantic salmon <i>vgl3</i> genomic region. <i>Journal of Evolutionary Biology</i> , 2019, 32, 343-355.	1.7	20

#	ARTICLE	IF	CITATIONS
19	Evolutionary stasis of a heritable morphological trait in a wild fish population despite apparent directional selection. <i>Ecology and Evolution</i> , 2019, 9, 7096-7111.	1.9	14
20	Home ground advantage: Local Atlantic salmon have higher reproductive fitness than dispersers in the wild. <i>Science Advances</i> , 2019, 5, eaav1112.	10.3	37
21	Rapid sex-specific evolution of age at maturity is shaped by genetic architecture in Atlantic salmon. <i>Nature Ecology and Evolution</i> , 2018, 2, 1800-1807.	7.8	69
22	From population genomics to conservation and management: a workflow for targeted analysis of markers identified using genome-wide approaches in Atlantic salmon (<i>Salmo salar</i>). <i>Journal of Fish Biology</i> , 2016, 89, 2658-2679.	1.6	58
23	Use of sibling relationship reconstruction to complement traditional monitoring in fisheries management and conservation of brown trout. <i>Conservation Biology</i> , 2015, 29, 1164-1175.	4.7	8
24	Generation of a neutral <i>ST</i> baseline for testing local adaptation on gill raker number within and between European whitefish ecotypes in the Baltic Sea basin. <i>Journal of Evolutionary Biology</i> , 2015, 28, 1170-1183.	1.7	18
25	Low but significant genetic differentiation underlies biologically meaningful phenotypic divergence in a large Atlantic salmon population. <i>Molecular Ecology</i> , 2015, 24, 5158-5174.	3.9	45
26	Sex-dependent dominance at a single locus maintains variation in age at maturity in salmon. <i>Nature</i> , 2015, 528, 405-408.	27.8	527
27	Gene pleiotropy constrains gene expression changes in fish adapted to different thermal conditions. <i>Nature Communications</i> , 2014, 5, 4071.	12.8	71
28	Molecular pedigree reconstruction and estimation of evolutionary parameters in a wild Atlantic salmon river system with incomplete sampling: a power analysis. <i>BMC Evolutionary Biology</i> , 2014, 14, 68.	3.2	19
29	Additive, non-additive and maternal effects of cytokine transcription in response to immunostimulation with <i>Vibrio</i> vaccine in Chinook salmon (<i>Oncorhynchus tshawytscha</i>). <i>Immunogenetics</i> , 2012, 64, 691-703.	2.4	28
30	Sex-biased genetic component distribution among populations: additive genetic and maternal contributions to phenotypic differences among populations of Chinook salmon. <i>Journal of Evolutionary Biology</i> , 2012, 25, 682-690.	1.7	19
31	Rapid evolution of osmoregulatory function by modification of gene transcription in steelhead trout. <i>Genetica</i> , 2011, 139, 233-242.	1.1	30
32	Bd oxidase homologue of photosynthetic purple sulfur bacterium <i>Allochromatium vinosum</i> is co-transcribed with a nitrogen fixation related gene. <i>Antonie Van Leeuwenhoek</i> , 2011, 99, 211-220.	1.7	8
33	Gene flow increases temporal stability of Chinook salmon (<i>Oncorhynchus tshawytscha</i>) populations in the Upper Fraser River, British Columbia, Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 167-176.	1.4	23
34	An outer membrane protein A (<i>ompA</i>) homologue from the photosynthetic purple sulfur bacterium <i>Allochromatium vinosum</i> . <i>Microbiological Research</i> , 2007, 162, 341-346.	5.3	1