Tutku Aykanat

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4705620/publications.pdf

Version: 2024-02-01

34	1,314	471509	501196
papers	citations	17 h-index	28 g-index

45	45	45	1356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sex-dependent dominance at a single locus maintains variation in age at maturity in salmon. Nature, 2015, 528, 405-408.	27.8	527
2	Gene pleiotropy constrains gene expression changes in fish adapted to different thermal conditions. Nature Communications, 2014, 5, 4071.	12.8	71
3	Rapid sex-specific evolution of age at maturity is shaped by genetic architecture in Atlantic salmon. Nature Ecology and Evolution, 2018, 2, 1800-1807.	7.8	69
4	From population genomics to conservation and management: a workflow for targeted analysis of markers identified using genomeâ€wide approaches in Atlantic salmon Salmo salar. Journal of Fish Biology, 2016, 89, 2658-2679.	1.6	58
5	Low but significant genetic differentiation underlies biologically meaningful phenotypic divergence in a large Atlantic salmon population. Molecular Ecology, 2015, 24, 5158-5174.	3.9	45
6	Maturation in Atlantic salmon (Salmo salar, Salmonidae): a synthesis of ecological, genetic, and molecular processes. Reviews in Fish Biology and Fisheries, 2021, 31, 523-571.	4.9	45
7	Polygenic and majorâ€locus contributions to sexual maturation timing in Atlantic salmon. Molecular Ecology, 2021, 30, 4505-4519.	3.9	43
8	Home ground advantage: Local Atlantic salmon have higher reproductive fitness than dispersers in the wild. Science Advances, 2019, 5, eaav1112.	10.3	37
9	Transcription Profiles of Age-at-Maturity-Associated Genes Suggest Cell Fate Commitment Regulation as a Key Factor in the Atlantic Salmon Maturation Process. G3: Genes, Genomes, Genetics, 2020, 10, 235-246.	1.8	31
10	Rapid evolution in salmon life history induced by direct and indirect effects of fishing. Science, 2022, 376, 420-423.	12.6	31
11	Rapid evolution of osmoregulatory function by modification of gene transcription in steelhead trout. Genetica, 2011, 139, 233-242.	1.1	30
12	Captive-bred Atlantic salmon released into the wild have fewer offspring than wild-bred fish and decrease population productivity. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201671.	2.6	30
13	Heterogeneous genetic basis of age at maturity in salmonid fishes. Molecular Ecology, 2021, 30, 1435-1456.	3.9	29
14	Cis-regulatory differences in isoform expression associate with life history strategy variation in Atlantic salmon. PLoS Genetics, 2020, 16, e1009055.	3.5	29
15	Additive, non-additive and maternal effects of cytokine transcription in response to immunostimulation with Vibrio vaccine in Chinook salmon (Oncorhynchus tshawytscha). Immunogenetics, 2012, 64, 691-703.	2.4	28
16	Lifeâ€history genomic regions explain differences in Atlantic salmon marine diet specialization. Journal of Animal Ecology, 2020, 89, 2677-2691.	2.8	28
17	Gene flow increases temporal stability of Chinook salmon (Oncorhynchus tshawytscha) populations in the Upper Fraser River, British Columbia, Canada. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 167-176.	1.4	23
18	Coâ€inheritance of sea age at maturity and iteroparity in the Atlantic salmon vgll3 genomic region. Journal of Evolutionary Biology, 2019, 32, 343-355.	1.7	20

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19	Sexâ€biased genetic component distribution among populations: additive genetic and maternal contributions to phenotypic differences among populations of Chinook salmon. Journal of Evolutionary Biology, 2012, 25, 682-690.	1.7	19
20	Molecular pedigree reconstruction and estimation of evolutionary parameters in a wild Atlantic salmon river system with incomplete sampling: a power analysis. BMC Evolutionary Biology, 2014, 14, 68.	3.2	19
21	Generation of a neutral <scp>F_{ST}</scp> baseline for testing local adaptation on gill raker number within and between European whitefish ecotypes in the Baltic Sea basin. Journal of Evolutionary Biology, 2015, 28, 1170-1183.	1.7	18
22	Evolutionary stasis of a heritable morphological trait in a wild fish population despite apparent directional selection. Ecology and Evolution, 2019, 9, 7096-7111.	1.9	14
23	Refining the genomic location of single nucleotide polymorphism variation affecting Atlantic salmon maturation timing at a key largeâ€effect locus. Molecular Ecology, 2022, 31, 562-570.	3.9	14
24	Genetic coupling of life-history and aerobic performance in Atlantic salmon. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212500.	2.6	9
25	Bd oxidase homologue of photosynthetic purple sulfur bacterium Allochromatium vinosum is co-transcribed with a nitrogen fixation related gene. Antonie Van Leeuwenhoek, 2011, 99, 211-220.	1.7	8
26	Use of sibling relationship reconstruction to complement traditional monitoring in fisheries management and conservation of brown trout. Conservation Biology, 2015, 29, 1164-1175.	4.7	8
27	Standard metabolic rate does not associate with ageâ€atâ€maturity genotype in juvenile Atlantic salmon. Ecology and Evolution, 2022, 12, e8408.	1.9	5
28	An outer membrane protein A (ompA) homologue from the photosynthetic purple sulfur bacterium Allochromatium vinosum. Microbiological Research, 2007, 162, 341-346.	5.3	1
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