

Daniel J Macqueen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

1,727
citations

22
h-index

41
g-index

59
ext. papers

2,345
ext. citations

5.6
avg, IF

5.24
L-index

#	Paper	IF	Citations
50	Growth and the regulation of myotomal muscle mass in teleost fish. <i>Journal of Experimental Biology</i> , 2011 , 214, 1617-28	3	276
49	A well-constrained estimate for the timing of the salmonid whole genome duplication reveals major decoupling from species diversification. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132881	4.4	267
48	Harnessing genomics to fast-track genetic improvement in aquaculture. <i>Nature Reviews Genetics</i> , 2020 , 21, 389-409	30.1	114
47	Lineage-specific rediploidization is a mechanism to explain time-lags between genome duplication and evolutionary diversification. <i>Genome Biology</i> , 2017 , 18, 111	18.3	86
46	Evolution of ancient functions in the vertebrate insulin-like growth factor system uncovered by study of duplicated salmonid fish genomes. <i>Molecular Biology and Evolution</i> , 2013 , 30, 1060-76	8.3	79
45	Evolution of the multifaceted eukaryotic akirin gene family. <i>BMC Evolutionary Biology</i> , 2009 , 9, 34	3	72
44	Temperature until the 'eyed stage' of embryogenesis programmes the growth trajectory and muscle phenotype of adult Atlantic salmon. <i>Biology Letters</i> , 2008 , 4, 294-8	3.6	62
43	Salmonid genomes have a remarkably expanded akirin family, coexpressed with genes from conserved pathways governing skeletal muscle growth and catabolism. <i>Physiological Genomics</i> , 2010 , 42, 134-48	3.6	42
42	Insulin-Like Growth Factor-Binding Proteins of Teleost Fishes. <i>Frontiers in Endocrinology</i> , 2018 , 9, 80	5.7	39
41	The parallel evolution of dwarfism in Arctic charr is accompanied by adaptive divergence in mTOR-pathway gene expression. <i>Molecular Ecology</i> , 2011 , 20, 3167-84	5.7	39
40	Disparate developmental patterns of immune responses to bacterial and viral infections in fish. <i>Scientific Reports</i> , 2015 , 5, 15458	4.9	35
39	Temperature influences the coordinated expression of myogenic regulatory factors during embryonic myogenesis in Atlantic salmon (<i>Salmo salar</i> L.). <i>Journal of Experimental Biology</i> , 2007 , 210, 2781-94	3	35
38	High-throughput proteomic profiling of the fish liver following bacterial infection. <i>BMC Genomics</i> , 2018 , 19, 719	4.5	34
37	A newly classified vertebrate calpain protease, directly ancestral to CAPN1 and 2, episodically evolved a restricted physiological function in placental mammals. <i>Molecular Biology and Evolution</i> , 2010 , 27, 1886-902	8.3	31
36	Cross Talk Between Growth and Immunity: Coupling of the IGF Axis to Conserved Cytokine Pathways in Rainbow Trout. <i>Endocrinology</i> , 2016 , 157, 1942-55	4.8	31
35	An update on MyoD evolution in teleosts and a proposed consensus nomenclature to accommodate the tetraploidization of different vertebrate genomes. <i>PLoS ONE</i> , 2008 , 3, e1567	3.7	29
34	A novel salmonid myoD gene is distinctly regulated during development and probably arose by duplication after the genome tetraploidization. <i>FEBS Letters</i> , 2006 , 580, 4996-5002	3.8	27

33	Atlantic salmon (<i>Salmo salar</i> L.) genetics in the 21st century: taking leaps forward in aquaculture and biological understanding. <i>Animal Genetics</i> , 2019 , 50, 3-14	2.5	27
32	Characterization of the definitive classical calpain family of vertebrates using phylogenetic, evolutionary and expression analyses. <i>Open Biology</i> , 2014 , 4, 130219	7	26
31	Evolution of follistatin in teleosts revealed through phylogenetic, genomic and expression analyses. <i>Development Genes and Evolution</i> , 2008 , 218, 1-14	1.8	26
30	The structural variation landscape in 492 Atlantic salmon genomes. <i>Nature Communications</i> , 2020 , 11, 5176	17.4	24
29	Positioning the expanded akirin gene family of Atlantic salmon within the transcriptional networks of myogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 400, 599-605	3.4	22
28	Divergent regulation of insulin-like growth factor binding protein genes in cultured Atlantic salmon myotubes under different models of catabolism and anabolism. <i>General and Comparative Endocrinology</i> , 2017 , 247, 53-65	3	20
27	Characterisation of capn1, capn2-like, capn3 and capn11 genes in Atlantic halibut (<i>Hippoglossus hippoglossus</i> L.): Transcriptional regulation across tissues and in skeletal muscle at distinct nutritional states. <i>Gene</i> , 2010 , 453, 45-58	3.8	18
26	Proteomic comparison of selective breeding and growth hormone transgenesis in fish: Unique pathways to enhanced growth. <i>Journal of Proteomics</i> , 2019 , 192, 114-124	3.9	17
25	Growth hormone transgenesis in coho salmon disrupts muscle immune function impacting cross-talk with growth systems. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	16
24	Nanopore sequencing for rapid diagnostics of salmonid RNA viruses. <i>Scientific Reports</i> , 2018 , 8, 16307	4.9	15
23	Phylotranscriptomics suggests the jawed vertebrate ancestor could generate diverse helper and regulatory T cell subsets. <i>BMC Evolutionary Biology</i> , 2018 , 18, 169	3	15
22	Targeted sequencing for high-resolution evolutionary analyses following genome duplication in salmonid fish: Proof of concept for key components of the insulin-like growth factor axis. <i>Marine Genomics</i> , 2016 , 30, 15-26	1.9	14
21	Cardiac myoglobin deficit has evolved repeatedly in teleost fishes. <i>Biology Letters</i> , 2014 , 10,	3.6	14
20	Universal scaling rules predict evolutionary patterns of myogenesis in species with indeterminate growth. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 2255-61	4.4	14
19	Evolutionary history of the T cell receptor complex as revealed by small-spotted catshark (<i>Scyliorhinus canicula</i>). <i>Developmental and Comparative Immunology</i> , 2017 , 74, 125-135	3.2	12
18	The vertebrate muscle-specific RING finger protein family includes MuRF4--a novel, conserved E3-ubiquitin ligase. <i>FEBS Letters</i> , 2014 , 588, 4390-7	3.8	9
17	The AMPK system of salmonid fishes was expanded through genome duplication and is regulated by growth and immune status in muscle. <i>Scientific Reports</i> , 2019 , 9, 9819	4.9	8
16	Comparative regulomics supports pervasive selection on gene dosage following whole genome duplication. <i>Genome Biology</i> , 2021 , 22, 103	18.3	8

15	The complete salmonid IGF-IR gene repertoire and its transcriptional response to disease. <i>Scientific Reports</i> , 2016 , 6, 34806	4.9	8
14	Effect of growth rate on transcriptomic responses to immune stimulation in wild-type, domesticated, and GH-transgenic coho salmon. <i>BMC Genomics</i> , 2019 , 20, 1024	4.5	8
13	Functional Analysis of All Salmonid Genomes (FAASG): an international initiative supporting future salmonid research, conservation and aquaculture		7
12	Evolution and Expression of Tissue Globins in Ray-Finned Fishes. <i>Genome Biology and Evolution</i> , 2017 , 9, 32-47	3.9	6
11	Nanopore whole genome sequencing and partitioned phylogenetic analysis supports a new salmonid alphavirus genotype (SAV7). <i>Diseases of Aquatic Organisms</i> , 2020 , 142, 203-211	1.7	4
10	Comparative regulomics reveals pervasive selection on gene dosage following whole genome duplication		4
9	Phylogenetic Reclassification of Vertebrate Melatonin Receptors To Include Mel1d. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 3225-3238	3.2	4
8	Genome Sequencing of SAV3 Reveals Repeated Seeding Events of Viral Strains in Norwegian Aquaculture. <i>Frontiers in Microbiology</i> , 2020 , 11, 740	5.7	3
7	Genome-wide target enriched viral sequencing reveals extensive hidden salmonid alphavirus diversity in farmed and wild fish populations. <i>Aquaculture</i> , 2020 , 522, 735117	4.4	3
6	Lineage-specific rediploidization is a mechanism to explain time-lags between genome duplication and evolutionary diversification		3
5	Genome-wide reconstruction of rediploidization following autoployploidization across one hundred million years of salmonid evolution. <i>Molecular Biology and Evolution</i> , 2021 ,	8.3	2
4	Growth hormone transgenesis disrupts immune function in muscle of coho salmon (<i>Oncorhynchus kisutch</i>) impacting cross-talk with growth systems		2
3	Plasma Proteome Responses in Salmonid Fish Following Immunization. <i>Frontiers in Immunology</i> , 2020 , 11, 581070	8.4	2
2	Corrigendum to A novel salmonid myoD gene is distinctly regulated during development and probably arose by duplication after the genome tetraploidization [FEBS Lett. 580 (2006) 4996-5002]. <i>FEBS Letters</i> , 2006 , 580, 6286-6287	3.8	1
1	Evolution of ray-finned fish genomes: Status and directions with a primer on microRNA characterization 2022 , 309-346		0