

Daniel J Macqueen

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,680
citations

236925

25
h-index

206112

48
g-index

59
all docs

59
docs citations

59
times ranked

2903
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and the regulation of myotomal muscle mass in teleost fish. <i>Journal of Experimental Biology</i> , 2011, 214, 1617-1628.	1.7	382
2	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.	2.6	369
3	Harnessing genomics to fast-track genetic improvement in aquaculture. <i>Nature Reviews Genetics</i> , 2020, 21, 389-409.	16.3	286
4	Lineage-specific rediploidization is a mechanism to explain time-lags between genome duplication and evolutionary diversification. <i>Genome Biology</i> , 2017, 18, 111.	8.8	136
5	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, 1060-1076.	8.9	102
6	Functional Annotation of All Salmonid Genomes (FAASG): an international initiative supporting future salmonid research, conservation and aquaculture. <i>BMC Genomics</i> , 2017, 18, 484.	2.8	99
7	Evolution of the multifaceted eukaryotic akirin gene family. <i>BMC Evolutionary Biology</i> , 2009, 9, 34.	3.2	84
8	Insulin-Like Growth Factor-Binding Proteins of Teleost Fishes. <i>Frontiers in Endocrinology</i> , 2018, 9, 80.	3.5	84
9	Temperature until the "eyed stage" of embryogenesis programmes the growth trajectory and muscle phenotype of adult Atlantic salmon. <i>Biology Letters</i> , 2008, 4, 294-298.	2.3	75
10	High-throughput proteomic profiling of the fish liver following bacterial infection. <i>BMC Genomics</i> , 2018, 19, 719.	2.8	68
11	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.	1.7	66
12	The structural variation landscape in 492 Atlantic salmon genomes. <i>Nature Communications</i> , 2020, 11, 5176.	12.8	60
13	Comparative regulomics supports pervasive selection on gene dosage following whole genome duplication. <i>Genome Biology</i> , 2021, 22, 103.	8.8	54
14	Disparate developmental patterns of immune responses to bacterial and viral infections in fish. <i>Scientific Reports</i> , 2015, 5, 15458.	3.3	53
15	Salmonid genomes have a remarkably expanded <i>akirin</i> family, coexpressed with genes from conserved pathways governing skeletal muscle growth and catabolism. <i>Physiological Genomics</i> , 2010, 42, 134-148.	2.3	48
16	The parallel evolution of dwarfism in Arctic charr is accompanied by adaptive divergence in mTOR-pathway gene expression. <i>Molecular Ecology</i> , 2011, 20, 3167-3184.	3.9	45
17	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, 1886-1902.	8.9	40
18	Cross Talk Between Growth and Immunity: Coupling of the IGF Axis to Conserved Cytokine Pathways in Rainbow Trout. <i>Endocrinology</i> , 2016, 157, 1942-1955.	2.8	40

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19	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, 2781-2794.	1.7	37
20	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.	2.5	37
21	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.	2.8	35
22	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.	2.1	31
23	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.	2.4	31
24	Characterization of the definitive classical calpain family of vertebrates using phylogenetic, evolutionary and expression analyses. <i>Open Biology</i> , 2014, 4, 130219.	3.6	30
25	Evolution of follistatin in teleosts revealed through phylogenetic, genomic and expression analyses. <i>Development Genes and Evolution</i> , 2008, 218, 1-14.	0.9	27
26	Phylotranscriptomics suggests the jawed vertebrate ancestor could generate diverse helper and regulatory T cell subsets. <i>BMC Evolutionary Biology</i> , 2018, 18, 169.	3.2	27
27	Nanopore sequencing for rapid diagnostics of salmonid RNA viruses. <i>Scientific Reports</i> , 2018, 8, 16307.	3.3	25
28	Growth hormone transgenesis in coho salmon disrupts muscle immune function impacting cross-talk with growth systems. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	24
29	Genome-Wide Reconstruction of Rediploidization Following Autopolyploidization across One Hundred Million Years of Salmonid Evolution. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	24
30	Characterisation of capn1, capn2-like, capn3 and capn11 genes in Atlantic halibut (<i>Hippoglossus</i>) nutritional states. <i>Gene</i> , 2010, 453, 45-58.	2.2	23
31	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.	1.8	23
32	Evolutionary history of the T cell receptor complex as revealed by small-spotted catshark	2.3	21
33	Phylogenetic Reclassification of Vertebrate Melatonin Receptors To Include Mel1d. <i>Genes, Genomes, Genetics</i> , 2019, 9, 3225-3238.	1.8	20
34	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, 2255-2261.	2.6	16
35	Cardiac myoglobin deficit has evolved repeatedly in teleost fishes. <i>Biology Letters</i> , 2014, 10, 20140225.	2.3	16
36	The complete salmonid IGF-IR gene repertoire and its transcriptional response to disease. <i>Scientific Reports</i> , 2016, 6, 34806.	3.3	16

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37	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.	1.1	16
38	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.	3.3	12
39	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.	2.8	11
40	The vertebrate muscle-specific RING finger protein family includes MuRF4 – A novel, conserved E3 ubiquitin ligase. <i>FEBS Letters</i> , 2014, 588, 4390-4397.	2.8	10
41	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.	1.0	10
42	Evolution and expression of tissue globins in ray-finned fishes. <i>Genome Biology and Evolution</i> , 2016, 9, evw266.	2.5	9
43	Plasma Proteome Responses in Salmonid Fish Following Immunization. <i>Frontiers in Immunology</i> , 2020, 11, 581070.	4.8	9
44	Genome-wide target enriched viral sequencing reveals extensive “hidden” salmonid alphavirus diversity in farmed and wild fish populations. <i>Aquaculture</i> , 2020, 522, 735117.	3.5	6
45	Genome Sequencing of SAV3 Reveals Repeated Seeding Events of Viral Strains in Norwegian Aquaculture. <i>Frontiers in Microbiology</i> , 2020, 11, 740.	3.5	5
46	Exploration of the Nurse Shark (<i>Ginglymostoma cirratum</i>) Plasma Immunoproteome Using High-Resolution LC-MS/MS. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	4
47	Evolution of ray-finned fish genomes: Status and directions with a primer on microRNA characterization. , 2022, , 309-346.		2
48	Genomic Epidemiology of Salmonid Alphavirus in Norwegian Aquaculture Reveals Recent Subtype-2 Transmission Dynamics and Novel Subtype-3 Lineages. <i>Viruses</i> , 2021, 13, 2549.	3.3	2
49	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.	2.8	1