

John B Taggart

List of Publications by Year in descending order

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81
papers

5,542
citations

66315

42
h-index

82499

72
g-index

82
all docs

82
docs citations

82
times ranked

4966
citing authors

#	ARTICLE	IF	CITATIONS
1	Community Parameters and Genome-Wide RAD-Seq Loci of <i>Ceratostoma oestroides</i> Imply Its Transfer between Farmed European Sea Bass and Wild Farm-Aggregating Fish. <i>Pathogens</i> , 2021, 10, 100.	1.2	1
2	The <i>nedd-8</i> activating enzyme gene underlies genetic resistance to infectious pancreatic necrosis virus in Atlantic salmon. <i>Genomics</i> , 2021, 113, 3842-3850.	1.3	22
3	Linking Scales of Life-History Variation With Population Structure in Atlantic Cod. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
4	Genetic analysis redraws the management boundaries for the European sprat. <i>Evolutionary Applications</i> , 2020, 13, 1906-1922.	1.5	15
5	Transcriptomic comparison of communally reared wild, domesticated and hybrid Atlantic salmon fry under stress and control conditions. <i>BMC Genetics</i> , 2020, 21, 57.	2.7	5
6	Sex determination in the GIFT strain of tilapia is controlled by a locus in linkage group 23. <i>BMC Genetics</i> , 2020, 21, 49.	2.7	28
7	Species-Specific Marker Discovery in Tilapia. <i>Scientific Reports</i> , 2019, 9, 13001.	1.6	20
8	Considering adaptive genetic variation in climate change vulnerability assessment reduces species range loss projections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10418-10423.	3.3	308
9	Expanding the miRNA Repertoire in Atlantic Salmon; Discovery of IsomiRs and miRNAs Highly Expressed in Different Tissues and Developmental Stages. <i>Cells</i> , 2019, 8, 42.	1.8	44
10	Parallel evolution and adaptation to environmental factors in a marine flatfish: Implications for fisheries and aquaculture management of the turbot (<i>Scophthalmus maximus</i>). <i>Evolutionary Applications</i> , 2018, 11, 1322-1341.	1.5	54
11	Single nucleotide polymorphism discovery and panel characterization in the African forest elephant. <i>Ecology and Evolution</i> , 2018, 8, 2207-2217.	0.8	20
12	Whole genome duplication and transposable element proliferation drive genome expansion in <i>Corydoradinae</i> catfishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172732.	1.2	32
13	An integrated framework to identify wildlife populations under threat from climate change. <i>Molecular Ecology Resources</i> , 2018, 18, 18-31.	2.2	71
14	Molecular epidemiological study on Infectious Pancreatic Necrosis Virus isolates from aquafarms in Scotland over three decades. <i>Journal of General Virology</i> , 2018, 99, 1567-1581.	1.3	18
15	Genotype Imputation To Improve the Cost-Efficiency of Genomic Selection in Farmed Atlantic Salmon. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 1377-1383.	0.8	93
16	Gene-centromere mapping in meiotic gynogenetic European seabass. <i>BMC Genomics</i> , 2017, 18, 449.	1.2	10
17	Identification and validation of single nucleotide polymorphisms as tools to detect hybridization and population structure in freshwater stingrays. <i>Molecular Ecology Resources</i> , 2017, 17, 550-556.	2.2	23
18	Suitability of DNA sampled from Nile tilapia skin mucus swabs as a template for ddRAD-based studies. <i>Conservation Genetics Resources</i> , 2017, 9, 39-42.	0.4	8

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19	Genetic analysis of goldsinny wrasse reveals evolutionary insights into population connectivity and potential evidence of inadvertent translocation via aquaculture. ICES Journal of Marine Science, 2017, 74, 2135-2147.	1.2	23
20	Impact of Salmonid alphavirus infection in diploid and triploid Atlantic salmon (<i>Salmo salar</i> L.) fry. PLoS ONE, 2017, 12, e0179192.	1.1	13
21	Differential Survival among Batches of Atlantic Cod (<i>Gadus morhua</i> L.) from Fertilisation through to Post-Metamorphosis. PLoS ONE, 2016, 11, e0158091.	1.1	3
22	Exploring a Nonmodel Teleost Genome Through RAD Sequencing and Linkage Mapping in Common Pandora, <i>Pagellus erythrinus</i> and Comparative Genomic Analysis. G3: Genes, Genomes, Genetics, 2016, 6, 509-519.	0.8	46
23	Mapping the sex determination locus in the hāpuku (<i>Polyprion oxygeneios</i>) using ddRAD sequencing. BMC Genomics, 2016, 17, 448.	1.2	51
24	Construction and Annotation of a High Density SNP Linkage Map of the Atlantic Salmon (<i>Salmo salar</i> L.). PLoS ONE, 2016, 11, e0158091.	0.8	40
25	Genomic prediction of host resistance to sea lice in farmed Atlantic salmon populations. Genetics Selection Evolution, 2016, 48, 47.	1.2	203
26	Comparing the transcriptomes of embryos from domesticated and wild Atlantic salmon (<i>Salmo salar</i> L.). Evolution, 2016, 48, 20.	1.2	19
27	Gene expression comparison of resistant and susceptible Atlantic salmon fry challenged with Infectious Pancreatic Necrosis virus reveals a marked contrast in immune response. BMC Genomics, 2016, 17, 279.	1.2	78
28	A new SNP-based vision of the genetics of sex determination in European sea bass (<i>Dicentrarchus labrax</i> L.). PLoS ONE, 2016, 11, e0158091.	1.2	103
29	A comparative analysis of the response of the hepatic transcriptome to dietary docosahexaenoic acid in Atlantic salmon (<i>Salmo salar</i>) post-smolts. BMC Genomics, 2015, 16, 684.	1.2	44
30	Development and validation of a mixed-tissue oligonucleotide DNA microarray for Atlantic bluefin tuna, <i>Thunnus thynnus</i> (Linnaeus, 1758). BMC Genomics, 2015, 16, 1007.	1.2	8
31	Nutrigenomic profiling of transcriptional processes affected in liver and distal intestine in response to a soybean meal-induced nutritional stress in Atlantic salmon (<i>Salmo salar</i>). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2015, 15, 1-11.	0.4	66
32	A novel sex-determining QTL in Nile tilapia (<i>Oreochromis niloticus</i>). BMC Genomics, 2015, 16, 171.	1.2	102
33	The effects of feeding β -glucan to <i>Pangasianodon hypophthalmus</i> on immune gene expression and resistance to <i>Edwardsiella ictaluri</i> . Fish and Shellfish Immunology, 2015, 47, 595-605.	1.6	25
34	A Survey of the ATP-Binding Cassette (ABC) Gene Superfamily in the Salmon Louse (<i>Lepeophtheirus salmonis</i>). PLoS ONE, 2015, 10, e0158091.	1.1	19
35	A comparison of gene transcription profiles of domesticated and wild Atlantic salmon (<i>Salmo salar</i> L.). PLoS ONE, 2015, 10, e0158091.	1.2	48
36	Parental contribution and spawning performance in captive common snook <i>Centropomus undecimalis</i> broodstock. Aquaculture, 2014, 432, 144-153.	1.7	24

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37	Development and validation of a high density SNP genotyping array for Atlantic salmon (<i>Salmo salar</i>). BMC Genomics, 2014, 15, 90.	1.2	219
38	An evolutionary perspective on Elov15 fatty acid elongase: comparison of Northern pike and duplicated paralogs from Atlantic salmon. BMC Evolutionary Biology, 2013, 13, 85.	3.2	44
39	Salmon lice (<i>Lepeophtheirus salmonis</i>) showing varying emamectin benzoate susceptibilities differ in neuronal acetylcholine receptor and GABA-gated chloride channel mRNA expression. BMC Genomics, 2013, 14, 408.	1.2	49
40	Mapping the sex determination locus in the Atlantic halibut (<i>Hippoglossus hippoglossus</i>) using RAD sequencing. BMC Genomics, 2013, 14, 566.	1.2	133
41	A comparison of communal and separate rearing of families in selective breeding of common carp (<i>Cyprinus carpio</i>): Responses to selection. Aquaculture, 2013, 408-409, 152-159.	1.7	36
42	Identification of a Sex-Linked SNP Marker in the Salmon Louse (<i>Lepeophtheirus salmonis</i>) Using RAD Sequencing. PLoS ONE, 2013, 8, e77832.	1.1	63
43	Mapping and Validation of the Major Sex-Determining Region in Nile Tilapia (<i>Oreochromis niloticus</i> L.) Using RAD Sequencing. PLoS ONE, 2013, 8, e68389.	1.1	144
44	Sequencing and Characterisation of an Extensive Atlantic Salmon (<i>Salmo salar</i> L.) MicroRNA Repertoire. PLoS ONE, 2013, 8, e70136.	1.1	29
45	Transcriptomic analysis of the host response to early stage salmonid alphavirus (SAV-1) infection in Atlantic salmon <i>Salmo salar</i> L.. Fish and Shellfish Immunology, 2012, 32, 796-807.	1.6	27
46	Characterisation of QTL-linked and genome-wide restriction site-associated DNA (RAD) markers in farmed Atlantic salmon. BMC Genomics, 2012, 13, 244.	1.2	120
47	Hepatic transcriptome analysis of inter-family variability in flesh n-3 long-chain polyunsaturated fatty acid content in Atlantic salmon. BMC Genomics, 2012, 13, 410.	1.2	31
48	Effects of genotype and dietary fish oil replacement with vegetable oil on the intestinal transcriptome and proteome of Atlantic salmon (<i>Salmo salar</i>). BMC Genomics, 2012, 13, 448.	1.2	89
49	The Impact of Escaped Farmed Atlantic Salmon (<i>Salmo salar</i> L.) on Catch Statistics in Scotland. PLoS ONE, 2012, 7, e43560.	1.1	15
50	A comparison of communal and separate rearing of families in selective breeding of common carp (<i>Cyprinus carpio</i>): Estimation of genetic parameters. Aquaculture, 2011, 322-323, 39-46.	1.7	48
51	Heritability and mechanisms of n-3 long chain polyunsaturated fatty acid deposition in the flesh of Atlantic salmon. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2011, 6, 62-69.	0.4	45
52	Genotype-specific responses in Atlantic salmon (<i>Salmo salar</i>) subject to dietary fish oil replacement by vegetable oil: a liver transcriptomic analysis. BMC Genomics, 2011, 12, 255.	1.2	142
53	Copper induces Cu-ATPase ATP7A mRNA in a fish cell line, SAF1. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 154, 93-99.	1.3	12
54	Diet-Genotype interactions in hepatic cholesterol and lipoprotein metabolism in Atlantic salmon (<i>Salmo salar</i>) in response to replacement of dietary fish oil with vegetable oil. British Journal of Nutrition, 2011, 106, 1457-1469.	1.2	49

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55	Multiple tissue transcriptomic responses to <i>Piscirickettsia salmonis</i> in Atlantic salmon (<i>Salmo salar</i>). <i>Physiological Genomics</i> , 2011, 43, 1241-1254.	1.0	88
56	Towards a System Level Understanding of Non-Model Organisms Sampled from the Environment: A Network Biology Approach. <i>PLoS Computational Biology</i> , 2011, 7, e1002126.	1.5	83
57	Differential Gene Expression During Smoltification of Atlantic Salmon (<i>Salmo salar</i> L.): a First Large-Scale Microarray Study. <i>Marine Biotechnology</i> , 2010, 12, 126-140.	1.1	59
58	Potential physiological effects of pharmaceutical compounds in Atlantic salmon (<i>Salmo salar</i>) implied by transcriptomic analysis. <i>Environmental Science and Pollution Research</i> , 2010, 17, 917-933.	2.7	23
59	Forensic identification of severely degraded Atlantic salmon (<i>Salmo salar</i>) and rainbow trout (<i>Oncorhynchus mykiss</i>) tissues. <i>Investigative Genetics</i> , 2010, 1, 12.	3.3	10
60	Multiple genes for functional Δ^6 fatty acyl desaturases (Fad) in Atlantic salmon (<i>Salmo salar</i> L.): Gene and cDNA characterization, functional expression, tissue distribution and nutritional regulation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 1072-1081.	1.2	119
61	Heritability estimation of silver carp (<i>Hypophthalmichthys molitrix</i>) harvest traits using microsatellite based parentage assignment. <i>Aquaculture</i> , 2009, 294, 187-193.	1.7	46
62	Functional genomics reveals increases in cholesterol biosynthetic genes and highly unsaturated fatty acid biosynthesis after dietary substitution of fish oil with vegetable oils in Atlantic salmon (<i>Salmo</i>)	1.7	108
63	DNA fingerprint analysis. <i>Hereditas</i> , 2008, 117, 45-50.	0.5	38
64	Analysis of the parental contribution to a group of fry from a single day of spawning from a commercial Atlantic cod (<i>Gadus morhua</i>) breeding tank. <i>Aquaculture</i> , 2008, 274, 218-224.	1.7	64
65	Major Quantitative Trait Loci Affect Resistance to Infectious Pancreatic Necrosis in Atlantic Salmon (<i>Salmo salar</i>). <i>Genetics</i> , 2008, 178, 1109-1115.	1.2	262
66	<i>Mycobacterium stomatepiae</i> sp. nov., a slowly growing, non-chromogenic species isolated from fish. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 2821-2827.	0.8	24
67	Parentage allocation in a complex situation: A large commercial Atlantic cod (<i>Gadus morhua</i>) mass spawning tank. <i>Aquaculture</i> , 2007, 272, S195-S203.	1.7	27
68	PROGRAM NOTE: FAP: an exclusion-based parental assignment program with enhanced predictive functions. <i>Molecular Ecology Notes</i> , 2006, 7, 412-415.	1.7	84
69	A Linkage Map for Brown Trout (<i>Salmo trutta</i>): Chromosome Homeologies and Comparative Genome Organization With Other Salmonid Fish. <i>Genetics</i> , 2006, 172, 2405-2419.	1.2	147
70	Detection of hybridization between Chinese carp species (<i>Hypophthalmichthys molitrix</i> and) <i>Aquaculture</i> , 2005, 247, 267-273.	1.7	54
71	Communal larval rearing of European lobster (<i>Homarus gammarus</i>): Family identification by microsatellite DNA profiling and offspring fitness comparisons. <i>Aquaculture</i> , 2005, 247, 275-285.	1.7	20
72	A comparative analysis of the rainbow trout genome with 2 other species of fish (Arctic charr and) <i>Genetics</i> , 2005, 48, 1037-1051.	0.9	122

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73	Fitness reduction and potential extinction of wild populations of Atlantic salmon, <i>Salmo salar</i> , as a result of interactions with escaped farm salmon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2443-2450.	1.2	615
74	Comparative Genome Analysis of the Primary Sex-Determining Locus in Salmonid Fishes. <i>Genome Research</i> , 2003, 13, 272-280.	2.4	228
75	Genetically monomorphic brown trout (<i>Salmo trutta</i> L.) populations, as revealed by mitochondrial DNA, multilocus and single-locus minisatellite (VNTR) analyses. <i>Heredity</i> , 1997, 79, 208-213.	1.2	14
76	Genetically monomorphic brown trout (<i>Salmo trutta</i> L.) populations, as revealed by mitochondrial DNA, multilocus and single-locus minisatellite (VNTR) analyses. <i>Heredity</i> , 1997, 79, 208-213.	1.2	2
77	A panel of minisatellite (VNTR) DNA locus specific probes for potential application to problems in salmonid aquaculture. <i>Aquaculture</i> , 1995, 137, 87-97.	1.7	5
78	A minisatellite DNA marker for discriminating between European and North American Atlantic salmon (<i>Salmo salar</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995, 52, 2305-2311.	0.7	49
79	Single locus inheritance and joint segregation analysis of minisatellite (VNTR) DNA loci in brown trout (<i>Salmo trutta</i> L.). <i>Heredity</i> , 1994, 73, 556-566.	1.2	44
80	Genetic differentiation among the sympatric brown trout (<i>Salmo trutta</i>) populations of Lough Melvin, Ireland. <i>Biological Journal of the Linnean Society</i> , 1991, 43, 221-237.	0.7	102
81	Allozyme variation in the brown trout (<i>Salmo trutta</i> L.): Single locus and joint segregation inheritance studies. <i>Heredity</i> , 1984, 53, 339-359.	1.2	29