Ian A Johnston

List of Publications by Year
in descending order

198	9,826	34076	49868
papers	citations	52 h-index	87 g-index

200	200	200	5708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The structural variation landscape in 492 Atlantic salmon genomes. Nature Communications, 2020, 11, 5176.	5.8	60
2	Influence of feed ration size on somatic and muscle growth in landlocked dwarf and farmed Atlantic salmon Salmo salar. Journal of Fish Biology, 2019, 94, 614-620.	0.7	2
3	Demonstration of the Use of Environmental DNA for the Non-Invasive Genotyping of a Bivalve Mollusk, the European Flat Oyster (Ostrea edulis). Frontiers in Genetics, 2019, 10, 1159.	1.1	10
4	Duplication of a Single myhz1.1 Gene Facilitated the Ability of Goldfish (Carassius auratus) to Alter Fast Muscle Contractile Properties With Seasonal Temperature Change. Frontiers in Physiology, 2018, 9, 1724.	1.3	5
5	A Collaborative European Approach to Accelerating Translational Marine Science. Journal of Marine Science and Engineering, 2018, 6, 81.	1.2	7
6	Genomic Tools and Selective Breeding in Molluscs. Frontiers in Genetics, 2018, 9, 253.	1.1	91
7	Divergent regulation of insulin-like growth factor binding protein genes in cultured Atlantic salmon myotubes under different models of catabolism and anabolism. General and Comparative Endocrinology, 2017, 247, 53-65.	0.8	23
8	A workflow used to design low density SNP panels for parentage assignment and traceability in aquaculture species and its validation in Atlantic salmon. Aquaculture, 2017, 476, 59-64.	1.7	30
9	Comparison of the transcriptional responses of skeletal muscle and bone to a flooding dose of leucine in the gilthead sea bream (Sparus aurata). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 199, 50-57.	0.7	9
10	Characterization of the transcriptome of fast and slow muscle myotomal fibres in the pacu (Piaractus mesopotamicus). BMC Genomics, 2015, 16, 182.	1.2	29
11	Characterisation and expression analysis of cathepsins and ubiquitin-proteasome genes in gilthead sea bream (Sparus aurata) skeletal muscle. BMC Research Notes, 2015, 8, 149.	0.6	36
12	RNAseq analysis of fast skeletal muscle in restriction-fed transgenic coho salmon (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 growth. BMC Genomics, 2015, 16, 564.	1.2	20
13	Profiling of the embryonic Atlantic halibut (Hippoglossus hippoglossus L.) transcriptome reveals maternal transcripts as potential markers of embryo quality. BMC Genomics, 2014, 15, 829.	1.2	30
14	Muscle fibre size optimisation provides flexibility to energy budgeting in calorie-restricted Coho salmon transgenic for growth hormone. Journal of Experimental Biology, 2014, 217, 3392-5.	0.8	21
15	Systematic Variation in the Pattern of Gene Paralog Retention between the Teleost Superorders Ostariophysi and Acanthopterygii. Genome Biology and Evolution, 2014, 6, 981-987.	1.1	15
16	Characterisation and expression of myogenesis regulatory factors during in vitro myoblast development and in vivo fasting in the gilthead sea bream (Sparus aurata). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 167, 90-99.	0.8	52
17	A well-constrained estimate for the timing of the salmonid whole genome duplication reveals major decoupling from species diversification. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132881.	1.2	369
18	Cardiac myoglobin deficit has evolved repeatedly in teleost fishes. Biology Letters, 2014, 10, 20140225.	1.0	16

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19	What determines growth potential and juvenile quality of farmed fish species?. Reviews in Aquaculture, 2013, 5, S168.	4.6	147
20	Evolution of Ancient Functions in the Vertebrate Insulin-Like Growth Factor System Uncovered by Study of Duplicated Salmonid Fish Genomes. Molecular Biology and Evolution, 2013, 30, 1060-1076.	3.5	102
21	Expression of Heat Shock Protein (Hsp90) Paralogues Is Regulated by Amino Acids in Skeletal Muscle of Atlantic Salmon. PLoS ONE, 2013, 8, e74295.	1.1	48
22	Characterisation and Expression of Calpain Family Members in Relation to Nutritional Status, Diet Composition and Flesh Texture in Gilthead Sea Bream (Sparus aurata). PLoS ONE, 2013, 8, e75349.	1.1	50
23	Universal scaling rules predict evolutionary patterns of myogenesis in species with indeterminate growth. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2255-2261.	1.2	16
24	Stac3 Is Required for Myotube Formation and Myogenic Differentiation in Vertebrate Skeletal Muscle. Journal of Biological Chemistry, 2012, 287, 43936-43949.	1.6	34
25	Postprandial expression of growth-related genes in Atlantic salmon (Salmo salar L.) juveniles fasted for 1 week and fed a single meal to satiation. British Journal of Nutrition, 2012, 108, 2148-2157.	1.2	47
26	Temperature during embryonic development has persistent effects on thermal acclimation capacity in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14247-14252.	3.3	263
27	Circadian expression of clock and putative clock-controlled genes in skeletal muscle of the zebrafish. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R193-R206.	0.9	62
28	Experimental selection for body size at age modifies early-life history traits and muscle gene expression in adult zebrafish. Journal of Experimental Biology, 2012, 215, 3895-904.	0.8	33
29	Fast skeletal muscle transcriptome of the Gilthead sea bream (Sparus aurata) determined by next generation sequencing. BMC Genomics, 2012, 13, 181.	1.2	52
30	Development Temperature Has Persistent Effects on Muscle Growth Responses in Gilthead Sea Bream. PLoS ONE, 2012, 7, e51884.	1.1	55
31	Embryonic temperature produces persistent effects on the capacity for thermal acclimation in adult zebrafish. FASEB Journal, 2012, 26, 1072.5.	0.2	0
32	Growth and the regulation of myotomal muscle mass in teleost fish. Journal of Experimental Biology, 2011, 214, 1617-1628.	0.8	382
33	The parallel evolution of dwarfism in Arctic charr is accompanied by adaptive divergence in mTOR-pathway gene expression. Molecular Ecology, 2011, 20, 3167-3184.	2.0	45
34	Insulin-like growth factor (IGF) signalling and genome-wide transcriptional regulation in fast muscle of zebrafish following a single-satiating meal. Journal of Experimental Biology, 2011, 214, 2125-2139.	0.8	57
35	Maternal gene expression in Atlantic halibut (Hippoglossus hippoglossus L.) and its relation to egg quality. BMC Research Notes, 2010, 3, 138.	0.6	45
36	A Novel Tensile Test Method to Assess Texture and Gaping in Salmon Fillets. Journal of Food Science, 2010, 75, S182-90.	1.5	43

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37	Transcriptional Regulation of the IGF Signaling Pathway by Amino Acids and Insulin-Like Growth Factors during Myogenesis in Atlantic Salmon. PLoS ONE, 2010, 5, e11100.	1.1	97
38	A Newly Classified Vertebrate Calpain Protease, Directly Ancestral to CAPN1 and 2, Episodically Evolved a Restricted Physiological Function in Placental Mammals. Molecular Biology and Evolution, 2010, 27, 1886-1902.	3.5	40
39	Paralogs of Atlantic salmon myoblast determination factor genes are distinctly regulated in proliferating and differentiating myogenic cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1615-R1626.	0.9	56
40	Characterisation of capn1, capn2-like, capn3 and capn11 genes in Atlantic halibut (Hippoglossus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 nutritional states. Gene, 2010, 453, 45-58.	1.0	23
41	Characterisation and differential regulation of MAFbx/Atrogin-1 Î± and Î² transcripts in skeletal muscle of Atlantic salmon (Salmo salar). Biochemical and Biophysical Research Communications, 2010, 396, 265-271.	1.0	35
42	Positioning the expanded akirin gene family of Atlantic salmon within the transcriptional networks of myogenesis. Biochemical and Biophysical Research Communications, 2010, 400, 599-605.	1.0	31
43	Targeted rapid amplification of cDNA ends (T-RACE)--an improved RACE reaction through degradation of non-target sequences. Nucleic Acids Research, 2010, 38, e194-e194.	6.5	15
44	Salmonid genomes have a remarkably expandedakirinfamily, coexpressed with genes from conserved pathways governing skeletal muscle growth and catabolism. Physiological Genomics, 2010, 42, 134-148.	1.0	48
45	Discovery and characterization of nutritionally regulated genes associated with muscle growth in Atlantic salmon. Physiological Genomics, 2010, 42A, 114-130.	1.0	63
46	Embryonic temperature affects muscle fibre recruitment in adult zebrafish: genome-wide changes in gene and microRNA expression associated with the transition from hyperplastic to hypertrophic growth phenotypes. Journal of Experimental Biology, 2009, 212, 1781-1793.	0.8	148
47	Evolution of the multifaceted eukaryotic akirin gene family. BMC Evolutionary Biology, 2009, 9, 34.	3.2	84
48	Gene expression analyses of essential catch factors in the smooth and striated adductor muscles of larval, juvenile and adult great scallop (Pecten maximus). Journal of Muscle Research and Cell Motility, 2009, 30, 233-242.	0.9	10
49	Selection of reference genes for expression studies with fish myogenic cell cultures. BMC Molecular Biology, 2009, 10, 80.	3.0	54
50	Phasing of muscle gene expression with fasting-induced recovery growth in Atlantic salmon. Frontiers in Zoology, 2009, 6, 18.	0.9	54
51	Expression of growth-related genes in muscle during fasting and refeeding of juvenile Atlantic halibut, Hippoglossus hippoglossus L.. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2009, 152, 47-53.	0.7	35
52	Effect of natural selection on the duplicated lysyl oxidase gene in Atlantic salmon. Genetica, 2008, 134, 325-334.	0.5	4
53	Evolution of follistatin in teleosts revealed through phylogenetic, genomic and expression analyses. Development Genes and Evolution, 2008, 218, 1-14.	0.4	27
54	Myotube production in fast myotomal muscle is switchedâ€•off at shorter body lengths in male than female Atlantic halibutHippoglossus hippoglossus(L.) resulting in a lower final fibre number. Journal of Fish Biology, 2008, 73, 139-152.	0.7	8

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55	Temperature until the â€˜eyed stageâ€™ of embryogenesis programmes the growth trajectory and muscle phenotype of adult Atlantic salmon. Biology Letters, 2008, 4, 294-298.	1.0	75
56	Genomic, evolutionary, and expression analyses of cee, an ancient gene involved in normal growth and development. Genomics, 2008, 91, 315-325.	1.3	11
57	Activity of Aspargate (Cathepsin D), Cysteine Proteases (Cathepsins B, B + L, and H), and Matrix Metallopeptidase (Collagenase) and Their Influence on Protein and Water-Holding Capacity of Muscle in Commercially Farmed Atlantic Halibut (Hippoglossus hippoglossus L.). Journal of Agricultural and Food Chemistry, 2008, 56, 5953-5959.	2.4	32
58	Switching to fast growth: the insulin-like growth factor (IGF) system in skeletal muscle of Atlantic salmon. Journal of Experimental Biology, 2008, 211, 3859-3870.	0.8	126
59	An Update on MyoD Evolution in Teleosts and a Proposed Consensus Nomenclature to Accommodate the Tetraploidization of Different Vertebrate Genomes. PLoS ONE, 2008, 3, e1567.	1.1	37
60	Number of muscle fibres in adult Atlantic cod varies with temperature during embryonic development and pantophysin (PanI) genotype. Aquatic Biology, 2008, 4, 167-173.	0.5	12
61	Competition moderates the benefits of thermal acclimation to reproductive performance in male eastern mosquitofish. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1199-1204.	1.2	32
62	Consequences of thermal acclimation for the mating behaviour and swimming performance of female mosquito fish. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 2131-2139.	1.8	22
63	FoxK1 splice variants show developmental stage-specific plasticity of expression with temperature in the tiger pufferfish. Journal of Experimental Biology, 2007, 210, 3461-3472.	0.8	23
64	Fast growth was not associated with an increased incidence of soft flesh and gaping in two strains of Atlantic salmon (Salmo salar) grown under different environmental conditions. Aquaculture, 2007, 265, 148-155.	1.7	30
65	Heritability of fibre number and size parameters and their genetic relationship to flesh quality traits in Atlantic salmon (Salmo salar L.). Aquaculture, 2007, 272, S100-S109.	1.7	32
66	Characterization of two paralogous muscleblind-like genes from the tiger pufferfish (Takifugu) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 180-186.	0.7	10
67	Profiling of maternal and developmental-stage specific mRNA transcripts in Atlantic halibut Hippoglossus hippoglossus. Gene, 2007, 386, 202-210.	1.0	34
68	Differential regulation of multiple alternatively spliced transcripts of MyoD. Gene, 2007, 391, 178-185.	1.0	20
69	Temperature influences the coordinated expression of myogenic regulatory factors during embryonic myogenesis in Atlantic salmon (Salmo salarL.). Journal of Experimental Biology, 2007, 210, 2781-2794.	0.8	37
70	Biochemical and Structural Factors Contributing to Seasonal Variation in the Texture of Farmed Atlantic Halibut (Hippoglossus hippoglossusL.) Flesh. Journal of Agricultural and Food Chemistry, 2007, 55, 5803-5808.	2.4	57
71	Investigations on the Effects of Growth Rate and Dietary Vitamin C on Skeletal Muscle Collagen and Hydroxylysyl Pyridinoline Cross-Link Concentration in Farmed Atlantic Salmon (Salmo salar). Journal of Agricultural and Food Chemistry, 2007, 55, 510-515.	2.4	17
72	A novel salmonid myoD gene is distinctly regulated during development and probably arose by duplication after the genome tetraploidization. FEBS Letters, 2006, 580, 4996-5002.	1.3	35

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73	Corrigendum to â€œA novel salmonid myoD gene is distinctly regulated during development and probably arose by duplication after the genome tetraploidizationâ€•[FEBS Lett. 580 (2006) 4996-5002]. FEBS Letters, 2006, 580, 6286-6287.	1.3	1
74	Muscle fibre number varies with haemoglobin phenotype in Atlantic cod as predicted by the optimal fibre number hypothesis. Biology Letters, 2006, 2, 590-592.	1.0	21
75	Environment and plasticity of myogenesis in teleost fish. Journal of Experimental Biology, 2006, 209, 2249-2264.	0.8	294
76	Muscle and flesh quality traits in wild and farmed Atlantic salmon. Aquaculture, 2006, 256, 323-336.	1.7	199
77	Sexual dimorphism of fast muscle fibre recruitment in farmed Atlantic halibut (Hippoglossus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.7	25
78	Myogenin in model pufferfish species: Comparative genomic analysis and thermal plasticity of expression during early development. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2006, 1, 35-45.	0.4	27
79	International symposium on functional genomics of pufferfish: Recent advances and perspective. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2006, 1, 4-5.	0.4	0
80	Characterisation and expression of the paired box protein 7 (Pax7) gene in polymorphic Arctic charr (Salvelinus alpinus). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2006, 145, 371-383.	0.7	13
81	Insight into the complex genetic network of tetraploid Atlantic salmon (Salmo salar L.): Description of multiple novel Pax-7 splice variants. Gene, 2006, 373, 8-15.	1.0	15
82	Endurance exercise training in common carp Cyprinus carpio L. induces proliferation of myonuclei in fast muscle fibres and slow muscle fibre hypertrophy. Journal of Fish Biology, 2006, 69, 1221-1227.	0.7	14
83	Polymorphism of the lysyl oxidase gene in relation to muscle collagen cross-link concentration in Atlantic salmon. Aquaculture Research, 2006, 37, 1699-1702.	0.9	7
84	Molecular cloning and mRNA expression analysis of carp embryonic, slow and cardiac myosin heavy chain isoforms. Journal of Experimental Biology, 2006, 209, 188-198.	0.8	38
85	A genomic approach to reveal novel genes associated with myotube formation in the model teleost, Takifugu rubripes. Physiological Genomics, 2005, 22, 327-338.	1.0	29
86	Genomics: applications to Antarctic ecosystems. Polar Biology, 2005, 28, 351-365.	0.5	44
87	Invertebrate muscle performance at high latitude: swimming activity in the Antarctic scallop, Adamussium colbecki. Polar Biology, 2005, 28, 464-469.	0.5	21
88	Temperature acclimatisation of swimming performance in the European Queen Scallop. Journal of Thermal Biology, 2005, 30, 119-124.	1.1	12
89	Scallop swimming kinematics and muscle performance: Modelling the effects of â€œwithin-animalâ€• variation in temperature sensitivity. Marine and Freshwater Behaviour and Physiology, 2005, 38, 1-19.	0.4	11
90	The role of myostatin and the calcineurin-signalling pathway in regulating muscle mass in response to exercise training in the rainbow trout Oncorhynchus mykiss Walbaum. Journal of Experimental Biology, 2005, 208, 2083-2090.	0.8	55

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91	The molecular regulation of exercised-induced muscle fibre hypertrophy in the common carp: Expression of MyoD, PCNA and components of the calcineurin-signalling pathway. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 142, 324-334.	0.7	14
92	Impact of accelerated smoltification on muscle structure and fillet firmness at harvest in Atlantic salmon (Salmo salar). Aquaculture, 2005, 246, 197-208.	1.7	7
93	Loss of muscle fibres in a landlocked dwarf Atlantic salmon population. Biology Letters, 2005, 1, 419-422.	1.0	18
94	Hydroxylysyl Pyridinoline Cross-Link Concentration Affects the Textural Properties of Fresh and Smoked Atlantic Salmon (Salmo salar L.) Flesh. Journal of Agricultural and Food Chemistry, 2005, 53, 6844-6850.	2.4	58
95	Muscle growth in Antarctic and Subantarctic notothenioid fishes. Scientia Marina, 2005, 69, 325-336.	0.3	4
96	Temperature and the expression of myogenic regulatory factors (MRFs) and myosin heavy chain isoforms during embryogenesis in the common carp Cyprinus carpio L.. Journal of Experimental Biology, 2004, 207, 4239-4248.	0.8	34
97	Rapid evolution of muscle fibre number in post-glacial populations of Arctic charr Salvelinus alpinus. Journal of Experimental Biology, 2004, 207, 4343-4360.	0.8	74
98	Seasonal differences in muscle fibre recruitment of pilchard larvae in the north-western Mediterranean. Journal of Fish Biology, 2004, 64, 1605-1615.	0.7	10
99	Sustained swimming performance and muscle structure are altered by thermal acclimation in male mosquitofish. Journal of Thermal Biology, 2004, 29, 251-257.	1.1	48
100	Stages of embryonic development in the Atlantic codGadus morhua. Journal of Morphology, 2004, 259, 255-270.	0.6	134
101	Antarctic Genomics. Comparative and Functional Genomics, 2004, 5, 230-238.	2.0	34
102	Combining studies of comparative physiology and behavioural ecology to test the adaptive benefits of thermal acclimation. International Congress Series, 2004, 1275, 201-208.	0.2	5
103	Growth performance, muscle structure and flesh quality in out-of-season Atlantic salmon (Salmo) Tj ETQq1 1 0.784314 rgBT /Overloc	1.7	49
104	Temperature and developmental plasticity during embryogenesis in the Atlantic cod Gadus morhua L.. Marine Biology, 2003, 142, 833-840.	0.7	29
105	Effect of sustained exercise on white muscle structure and flesh quality in farmed cod (Gadus) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	51
106	Muscle metabolism and growth in Antarctic fishes (suborder Notothenioidei): evolution in a cold environment. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 136, 701-713.	0.7	32
107	Freshwater environment affects growth rate and muscle fibre recruitment in seawater stages of Atlantic salmon (Salmo salarL.). Journal of Experimental Biology, 2003, 206, 1337-1351.	0.8	91
108	Reduction in muscle fibre number during the adaptive radiation of notothenioid fishes: a phylogenetic perspective. Journal of Experimental Biology, 2003, 206, 2595-2609.	0.8	112

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109	Temperature and the expression of seven muscle-specific protein genes during embryogenesis in the Atlantic cod Gadus morhua L.. Journal of Experimental Biology, 2003, 206, 3187-3200.	0.8	46
110	Proliferation of myogenic progenitor cells following feeding in the sub-antarctic notothenioid fishHarpagifer bispinis. Journal of Experimental Biology, 2003, 206, 163-169.	0.8	32
111	Myogenic cell cycle duration in Harpagifer species with sub-Antarctic and Antarctic distributions: evidence for cold compensation. Journal of Experimental Biology, 2003, 206, 1011-1016.	0.8	30
112	Plasticity of muscle fibre number in seawater stages of Atlantic salmon in response to photoperiod manipulation. Journal of Experimental Biology, 2003, 206, 3425-3435.	0.8	83
113	Genes regulating the growth of myotomal muscle in teleost fish. , 2003, , 153-166.		3
114	Effects of dietary protein level on muscle cellularity and flesh quality in Atlantic salmon with particular reference to gaping. Aquaculture, 2002, 210, 259-283.	1.7	55
115	Muscle growth in Polar fish: a study of Harpagifer species with sub-Antarctic and Antarctic distributions. Fisheries Science, 2002, 68, 1023-1028.	0.7	11
116	Thermal plasticity of skeletal muscle phenotype in ectothermic vertebrates and its significance for locomotory behaviour. Journal of Experimental Biology, 2002, 205, 2305-2322.	0.8	183
117	Thermal plasticity of skeletal muscle phenotype in ectothermic vertebrates and its significance for locomotory behaviour. Journal of Experimental Biology, 2002, 205, 2305-22.	0.8	123
118	Genetic and Environmental Determinants of Muscle Growth Patterns. Fish Physiology, 2001, , 141-186.	0.2	50
119	Embryonic temperature and the relative timing of muscle-specific genes during development in herring (Clupea harengusL.). Journal of Experimental Biology, 2001, 204, 3629-3637.	0.8	27
120	The biomechanics and evolutionary significance of thermal acclimation in the common carpCyprinus carpio. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R657-R665.	0.9	37
121	Patterns of muscle growth in early and late maturing populations of Atlantic salmon (Salmo salar L.). Aquaculture, 2000, 189, 307-333.	1.7	53
122	Muscle fibre density in relation to the colour and texture of smoked Atlantic salmon (Salmo salar L.). Aquaculture, 2000, 189, 335-349.	1.7	229
123	Temperature and neuromuscular development in embryos of the trout (Salmo trutta L.). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1999, 122, 53-64.	0.8	16
124	Muscle development and growth: potential implications for flesh quality in fish. Aquaculture, 1999, 177, 99-115.	1.7	305
125	Characterisation of the swimming muscles of two Subantarctic notothenoids. Scientia Marina, 1999, 63, 477-484.	0.3	13
126	Temperature and family effects on muscle cellularity at hatch and first feeding in Atlantic salmon (Salmo salarL.). Canadian Journal of Zoology, 1997, 75, 64-74.	0.4	75

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127	Temperature and Neural Development of the Atlantic Herring (Clupea harengus L.). Comparative Biochemistry and Physiology A, Comparative Physiology, 1997, 117, 457-462.	0.7	7
128	The thermal dependence of fast-start performance in fish. Journal of Thermal Biology, 1997, 22, 391-401.	1.1	28
129	Evolution and adaptive radiation of antarctic fishes. Trends in Ecology and Evolution, 1996, 11, 212-218.	4.2	188
130	Phenotypic plasticity and evolutionary adaptations of mitochondria to temperature. , 1996, , 127-152.		17
131	Temperature and ontogeny in ectotherms: muscle phenotype in fish. , 1996, , 153-182.		31
132	Testing evolutionary hypotheses of acclimation. , 1996, , 205-238.		113
133	Muscle Fibers in Rostral and Caudal Myotomes of the Atlantic Cod (Gadus morhuaL.) Have Different Mechanical Properties. Physiological Zoology, 1995, 68, 673-697.	1.5	37
134	The thermostability of haemoglobins from the hot-spring fish, Oreochromis alcalicus grahami: Comparisons with antarctic and temperate species. Journal of Thermal Biology, 1994, 19, 277-280.	1.1	10
135	Intact and demembranated muscle fibres. Biochemistry and Molecular Biology of Fishes, 1994, , 107-117.	0.5	1
136	Phenotypic plasticity of fish muscle to temperature change. , 1993, , 322-340.		25
137	Influence of rearing temperature on the distribution of muscle fibre types in the turbot Scophthalmus maximus at metamorphosis. Journal of Experimental Marine Biology and Ecology, 1992, 161, 45-55.	0.7	33
138	Scaling of Power Output in Fast Muscle Fibres of the Atlantic Cod During Cyclical Contractions. Journal of Experimental Biology, 1992, 170, 143-154.	0.8	35
139	Movement in water: constraints and adaptations. Biochemistry and Molecular Biology of Fishes, 1991, , 249-268.	0.5	8
140	Density of Cristae and Distribution of Mitochondria in the Slow Muscle Fibers of Antarctic Fish. Physiological Zoology, 1991, 64, 242-258.	1.5	50
141	Muscle growth in the Antarctic teleost, Notothenia neglecta (Nybelin). Antarctic Science, 1991, 3, 29-33.	0.5	24
142	Temperature Acclimation in the Common Carp: Force-Velocity Characteristics and Myosin Subunit Composition of Slow Muscle Fibres. Journal of Experimental Biology, 1991, 155, 291-304.	0.8	44
143	Power Output of Fish Muscle Fibres Performing Oscillatory Work: Effects of Acute and Seasonal Temperature Change. Journal of Experimental Biology, 1991, 157, 409-423.	0.8	63
144	Scaling effects on the neuromuscular system, twitch kinetics and morphometrics of the cod,Gadus morhua. Marine and Freshwater Behaviour and Physiology, 1990, 17, 137-146.	0.9	29

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145	Maximal Activities of Enzymes of Energy Metabolism in Cephalopod Systemic and Branchial Hearts. Physiological Zoology, 1990, 63, 615-629.	1.5	19
146	Modelling Muscle Power Output in a Swimming Fish. Journal of Experimental Biology, 1990, 148, 395-402.	0.8	137
147	Scaling Effects on Muscle Function: Power Output of Isolated Fish Muscle Fibres Performing Oscillatory Work. Journal of Experimental Biology, 1990, 151, 453-467.	0.8	112
148	Antarctic fish muscles â€" structure, function and physiology. Antarctic Science, 1989, 1, 97-108.	0.5	37
149	Kinematics of Labriform and Subcarangiform Swimming in the Antarctic Fish Notothenia Neglecta. Journal of Experimental Biology, 1989, 143, 195-210.	0.8	65
150	Influence of pH and temperature on force development and shortening velocity in skinned muscle fibres from fish. Fish Physiology and Biochemistry, 1988, 5, 257-262.	0.9	3
151	Muscle function in locomotion. Nature, 1988, 335, 767-768.	13.7	17
152	Muscle contraction in polar fishes: experiments with demembranated muscle fibres. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1988, 90, 547-555.	0.2	1
153	Biochemical Correlations of Power Development and Metabolic Fuel Preferenda in Fish Hearts. Physiological Zoology, 1987, 60, 221-232.	1.5	171
154	Morphometrics and ultrastructure of myocardial tissue in Notothenioid fishes. Fish Physiology and Biochemistry, 1987, 3, 1-6.	0.9	25
155	Reptilian Skeletal Muscle: Contractile properties of identified, single fast-twitch and slow fibers from the lizardDipsosaurus dorsalis. The Journal of Experimental Zoology, 1987, 242, 283-290.	1.4	17
156	Effects Of Temperature And Thermal Acclimation On Contractile Properties And Metabolism Of Skeletal Muscle In The Flounder (Platichthys Flesus L.). Journal of Experimental Biology, 1986, 120, 119-130.	0.8	26
157	Changes in tension generation and ATPase activity in skinned muscle fibres of the carp following temperature acclimation. Pflugers Archiv European Journal of Physiology, 1985, 403, 449-451.	1.3	6
158	Thermal sensitivity of contractile function in chain pickerel, Esox niger. Canadian Journal of Zoology, 1985, 63, 811-816.	0.4	15
159	Contractile and Metabolic Characteristics of Muscle Fibres from Antarctic Fish. Journal of Experimental Biology, 1985, 116, 223-236.	0.8	39
160	Capillarization, mitochondrial densities, oxygen diffusion distances and innervation of red and white muscle of the lizard Dipsosaurus dorsalis. Cell and Tissue Research, 1984, 237, 253-258.	1.5	30
161	Thermal dependence of contractile properties of single skinned muscle fibres from Antarctic and various warm water marine fishes including Skipjack Tuna (Katsuwonus pelamis) and Kawakawa (Euthynnus affinis). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1984, 155, 63-70.	0.7	62
162	Quantitative Study of Capillary Supply to the Skeletal Muscles of Crucian Carp Carassius carassius L.: Effects of Hypoxic Acclimation. Physiological Zoology, 1984, 57, 9-18.	1.5	23

#	Article	IF	Citations
163	Thermal Dependence of Contractile Properties of Red and White Fibres Isolated From the Iliofibularis Muscle of the Desert Iguana (Dipsosaurus Dorsalis). Journal of Experimental Biology, 1984, 113, 123-132.	0.8	26
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178	Lactate Production at High Sustainable Cruising Speeds in Rainbow Trout (Salmo Gairdneri) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	39
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