

Patricia M Schulte

List of Publications by Year in descending order

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142
papers

9,591
citations

38660

50
h-index

43802

91
g-index

147
all docs

147
docs citations

147
times ranked

7961
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Performance Curves, Phenotypic Plasticity, and the Time Scales of Temperature Exposure. <i>Integrative and Comparative Biology</i> , 2011, 51, 691-702.	0.9	547
2	The effects of temperature on aerobic metabolism: towards a mechanistic understanding of the responses of ectotherms to a changing environment. <i>Journal of Experimental Biology</i> , 2015, 218, 1856-1866.	0.8	529
3	Heat shock protein genes and their functional significance in fish. <i>Gene</i> , 2002, 295, 173-183.	1.0	520
4	Intraspecific variation in thermal tolerance and heat shock protein gene expression in common killifish, <i>Fundulus heteroclitus</i> . <i>Journal of Experimental Biology</i> , 2006, 209, 2859-2872.	0.8	406
5	Na ⁺ /K ⁺ -ATPase $\hat{\pm}$ -isoform switching in gills of rainbow trout (<i>Oncorhynchus mykiss</i>) during salinity transfer. <i>Journal of Experimental Biology</i> , 2003, 206, 4475-4486.	0.8	300
6	Macrophysiology: A Conceptual Reunification. <i>American Naturalist</i> , 2009, 174, 595-612.	1.0	298
7	What is environmental stress? Insights from fish living in a variable environment. <i>Journal of Experimental Biology</i> , 2014, 217, 23-34.	0.8	235
8	Changes in gene expression in gills of the euryhaline killifish <i>Fundulus heteroclitus</i> after abrupt salinity transfer. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C300-C309.	2.1	207
9	Oxygen- and capacity-limited thermal tolerance: blurring ecology and physiology. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	204
10	Molecular Evolution of Cytochrome c Oxidase Underlies High-Altitude Adaptation in the Bar-Headed Goose. <i>Molecular Biology and Evolution</i> , 2011, 28, 351-363.	3.5	196
11	Responses to Temperature and Hypoxia as Interacting Stressors in Fish: Implications for Adaptation to Environmental Change. <i>Integrative and Comparative Biology</i> , 2013, 53, 648-659.	0.9	195
12	Reciprocal expression of gill Na ⁺ /K ⁺ -ATPase $\hat{\pm}$ -subunit isoforms $\hat{\pm}$ 1a and $\hat{\pm}$ 1b during seawater acclimation of three salmonid fishes that vary in their salinity tolerance. <i>Journal of Experimental Biology</i> , 2006, 209, 1848-1858.	0.8	172
13	Do mitochondrial properties explain intraspecific variation in thermal tolerance?. <i>Journal of Experimental Biology</i> , 2009, 212, 514-522.	0.8	172
14	Thermal Acclimation Is Not Necessary to Maintain a Wide Thermal Breadth of Aerobic Scope in the Common Killifish (<i>Fundulus heteroclitus</i>). <i>Physiological and Biochemical Zoology</i> , 2012, 85, 107-119.	0.6	162
15	Linking genotypes to phenotypes and fitness: how mechanistic biology can inform molecular ecology. <i>Molecular Ecology</i> , 2009, 18, 4997-5017.	2.0	158
16	Variation in temperature tolerance among families of Atlantic salmon (<i>Salmo salar</i>) is associated with hypoxia tolerance, ventricle size and myoglobin level. <i>Journal of Experimental Biology</i> , 2013, 216, 1183-1190.	0.8	153
17	Rapid evolution of cold tolerance in stickleback. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 233-238.	1.2	129
18	Gene expression after freshwater transfer in gills and opercular epithelia of killifish: insight into divergent mechanisms of ion transport. <i>Journal of Experimental Biology</i> , 2005, 208, 2719-2729.	0.8	120

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19	Cross-tolerance in the Tidepool Sculpin: The Role of Heat Shock Proteins. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 133-144.	0.6	113
20	Intraspecific divergence of ionoregulatory physiology in the euryhaline teleost <i>Fundulus heteroclitus</i> : possible mechanisms of freshwater adaptation. <i>Journal of Experimental Biology</i> , 2004, 207, 3399-3410.	0.8	111
21	Warm acclimation improves hypoxia tolerance in <i>Fundulus heteroclitus</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 474-484.	0.8	105
22	Evolutionary adaptations of gene structure and expression in natural populations in relation to a changing environment: A multidisciplinary approach to address the million-year saga of a small fish. , 1998, 282, 71-94.		101
23	Niche Dimensions in Fishes: An Integrative View. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 808-826.	0.6	100
24	Functional Annotation of All Salmonid Genomes (FAASG): an international initiative supporting future salmonid research, conservation and aquaculture. <i>BMC Genomics</i> , 2017, 18, 484.	1.2	99
25	Adaptive variation in lactate dehydrogenase-B gene expression: Role of a stress-responsive regulatory element. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6597-6602.	3.3	94
26	Factors affecting plasticity in whole-organism thermal tolerance in common killifish (<i>Fundulus heteroclitus</i>). <i>Physiology</i> , 2012, 182, 49-62.	0.7	91
27	Persistent and plastic effects of temperature on DNA methylation across the genome of threespine stickleback (<i>Gasterosteus aculeatus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171667.	1.2	88
28	Ionoregulatory changes in different populations of maturing sockeye salmon <i>Oncorhynchus nerka</i> during ocean and river migration. <i>Journal of Experimental Biology</i> , 2005, 208, 4069-4078.	0.8	87
29	Physiological and molecular mechanisms of osmoregulatory plasticity in killifish after seawater transfer. <i>Journal of Experimental Biology</i> , 2008, 211, 2450-2459.	0.8	85
30	Seawater tolerance and gene expression in two strains of Atlantic salmon smolts. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2002, 59, 125-135.	0.7	84
31	Environmental adaptations as windows on molecular evolution. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001, 128, 597-611.	0.7	83
32	Arsenic exposure alters hepatic arsenic species composition and stress-mediated gene expression in the common killifish (<i>Fundulus heteroclitus</i>). <i>Aquatic Toxicology</i> , 2006, 77, 257-266.	1.9	81
33	Swimming Performance and Energetics as a Function of Temperature in Killifish <i>Fundulus heteroclitus</i> . <i>Physiological and Biochemical Zoology</i> , 2008, 81, 389-401.	0.6	81
34	From DNA to Fitness Differences: Sequences and Structures of Adaptive Variants of Colias Phosphoglucose Isomerase (PGI). <i>Molecular Biology and Evolution</i> , 2006, 23, 499-512.	3.5	77
35	Structural and Functional Differences in the Promoter and 5' Flanking Region of <i>Ldh-B</i> Within and Between Populations of the Teleost <i>Fundulus heteroclitus</i> . <i>Genetics</i> , 1997, 145, 759-769.	1.2	77
36	Gene expression plasticity in response to salinity acclimation in threespine stickleback ecotypes from different salinity habitats. <i>Molecular Ecology</i> , 2017, 26, 2711-2725.	2.0	72

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37	Recovery metabolism of skipjack tuna (<i>Katsuwonus pelamis</i>) white muscle: rapid and parallel changes in lactate and phosphocreatine after exercise. <i>Canadian Journal of Zoology</i> , 1992, 70, 1230-1239.	0.4	71
38	Plasticity of osmoregulatory function in the killifish intestine: drinking rates, salt and water transport, and gene expression after freshwater transfer. <i>Journal of Experimental Biology</i> , 2006, 209, 4040-4050.	0.8	71
39	Changes in gill H ⁺ -ATPase and Na ⁺ /K ⁺ -ATPase expression and activity during freshwater acclimation of Atlantic salmon (<i>Salmo salar</i>). <i>Journal of Experimental Biology</i> , 2011, 214, 2435-2442.	0.8	70
40	Metabolic and ionoregulatory responses of the Amazonian cichlid, <i>Astronotus ocellatus</i> , to severe hypoxia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007, 177, 361-374.	0.7	69
41	Intraspecific variation in tolerance of warming in fishes. <i>Journal of Fish Biology</i> , 2021, 98, 1536-1555.	0.7	69
42	Responses to environmental stressors in an estuarine fish: Interacting stressors and the impacts of local adaptation. <i>Journal of Thermal Biology</i> , 2007, 32, 152-161.	1.1	66
43	Proportion of prey consumed can be determined from faecal DNA using real-time PCR. <i>Molecular Ecology Resources</i> , 2011, 11, 530-540.	2.2	66
44	Mitochondria and the thermal limits of ectotherms. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	64
45	Countergradient Variation in Temperature Preference in Populations of Killifish <i>Fundulus heteroclitus</i> . <i>Physiological and Biochemical Zoology</i> , 2009, 82, 776-786.	0.6	61
46	Epigenomics in marine fishes. <i>Marine Genomics</i> , 2016, 30, 43-54.	0.4	61
47	Optimum Temperature in Juvenile Salmonids: Connecting Subcellular Indicators to Tissue Function and Whole-Organism Thermal Optimum. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 245-256.	0.6	60
48	Understanding Maladaptation by Uniting Ecological and Evolutionary Perspectives. <i>American Naturalist</i> , 2019, 194, 495-515.	1.0	60
49	Mechanisms and costs of mitochondrial thermal acclimation in a eurythermal killifish (<i>Fundulus</i>) Tj ETQq1 1 0.784314 rgBTJ/Overlo	0.8	59
50	Intraspecific variation in gene expression after seawater transfer in gills of the euryhaline killifish <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2005, 141, 176-182.	0.8	58
51	Heat shock response of killifish (<i>Fundulus heteroclitus</i>): candidate gene and heterologous microarray approaches. <i>Physiological Genomics</i> , 2010, 41, 171-184.	1.0	58
52	Thermal acclimation and subspecies-specific effects on heart and brain mitochondrial performance in a eurythermal teleost (<i>Fundulus heteroclitus</i>). <i>Journal of Experimental Biology</i> , 2017, 220, 1459-1471.	0.8	56
53	The effect of fasting and refeeding on mRNA expression of PepT1 and gastrointestinal hormones regulating digestion and food intake in zebrafish (<i>Danio rerio</i>). <i>Fish Physiology and Biochemistry</i> , 2012, 38, 1565-1575.	0.9	55
54	Experimental administration of recombinant bovine growth hormone to juvenile rainbow trout (<i>Salmo gairdneri</i>) by injection or by immersion. <i>Aquaculture</i> , 1989, 76, 145-156.	1.7	53

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55	Conservation genomics of Atlantic salmon: variation in gene expression between and within regions of the Bay of Fundy. <i>Molecular Ecology</i> , 2010, 19, 1842-1859.	2.0	52
56	Intraspecific variation in the thermal plasticity of mitochondria in killifish. <i>Journal of Experimental Biology</i> , 2011, 214, 3639-3648.	0.8	51
57	The DNA Methylation Landscape of Stickleback Reveals Patterns of Sex Chromosome Evolution and Effects of Environmental Salinity. <i>Genome Biology and Evolution</i> , 2018, 10, 775-785.	1.1	51
58	REDUCTIONS IN PROLONGED SWIMMING CAPACITY FOLLOWING FRESHWATER COLONIZATION IN MULTIPLE THREESPINE STICKLEBACK POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1226-1239.	1.1	50
59	Mechanisms underlying parallel reductions in aerobic capacity in non-migratory threespine stickleback (<i>Gasterosteus aculeatus</i>) populations. <i>Journal of Experimental Biology</i> , 2012, 215, 746-759.	0.8	47
60	Structure and Sequence Conservation of a Putative Hypoxia Response Element in the Lactate Dehydrogenase-B Gene of <i>Fundulus</i> . <i>Biological Bulletin</i> , 2001, 200, 247-251.	0.7	45
61	The Onset Temperature of the Heat-Shock Response and Whole-Organism Thermal Tolerance Are Tightly Correlated in both Laboratory-Acclimated and Field-Acclimatized Tidepool Sculpins (<i>Oligocottus maculosus</i>). <i>Physiological and Biochemical Zoology</i> , 2011, 84, 341-352.	0.6	45
62	Effects of spironolactone and RU486 on gene expression and cell proliferation after freshwater transfer in the euryhaline killifish. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 499-510.	0.7	44
63	Patterns of alternative splicing in response to cold acclimation in fish. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	43
64	Don't throw the fish out with the respirometry water. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	43
65	Variation in gene expression in response to stress in two populations of <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004, 137, 205-216.	0.8	42
66	Changes in gene expression as biochemical adaptations to environmental change: a tribute to Peter Hochachka. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 139, 519-529.	0.7	42
67	Wild Arctic Char (<i>Salvelinus alpinus</i>) Upregulate Gill Na ⁺ ,K ⁺ -ATPase during Freshwater Migration. <i>Physiological and Biochemical Zoology</i> , 2007, 80, 270-282.	0.6	42
68	Environmental and nutritional regulation of expression and function of two peptide transporter (PepT1) isoforms in a euryhaline teleost. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 379-387.	0.8	42
69	Differential expression of Na ⁺ , K ⁺ -ATPase $\hat{\pm}$ -1 isoforms during seawater acclimation in the amphidromous galaxiid fish <i>Galaxias maculatus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 345-357.	0.7	42
70	Effects of dietary canola oil level on growth performance, fatty acid composition and ionoregulatory development of spring chinook salmon parr, <i>Oncorhynchus tshawytscha</i> . <i>Aquaculture</i> , 2008, 274, 109-117.	1.7	41
71	Gene expression analysis for the identification of selection and local adaptation in fishes. <i>Journal of Fish Biology</i> , 2011, 78, 1-22.	0.7	40
72	Physiology and performance of wild and domestic strains of diploid and triploid rainbow trout (<i>Oncorhynchus mykiss</i>) in response to environmental challenges. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 125-134.	0.7	39

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73	Patterns of mitochondrial membrane remodeling parallel functional adaptations to thermal stress. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	39
74	The Mitochondrial Contribution to Animal Performance, Adaptation, and Life-History Variation. <i>Integrative and Comparative Biology</i> , 2018, 58, 480-485.	0.9	39
75	Tolerance traits related to climate change resilience are independent and polygenic. <i>Global Change Biology</i> , 2018, 24, 5348-5360.	4.2	38
76	Effects of the Natural Tidal Cycle and Artificial Temperature Cycling on Hsp Levels in the Tidepool Sculpin <i>Oligocottus maculosus</i> . <i>Physiological and Biochemical Zoology</i> , 2006, 79, 1033-1045.	0.6	37
77	Invertebrate p53-like mRNA isoforms are differentially expressed in mussel haemic neoplasia. <i>Marine Environmental Research</i> , 2008, 66, 412-421.	1.1	36
78	Prior PCB exposure suppresses hypoxia-induced up-regulation of glycolytic enzymes in <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004, 139, 23-29.	1.3	34
79	Integrative Population and Physiological Genomics Reveals Mechanisms of Adaptation in Killifish. <i>Molecular Biology and Evolution</i> , 2018, 35, 2639-2653.	3.5	33
80	Molecular Cloning and Characterization of Two Na/K-ATPase Isoforms in <i>Fundulus heteroclitus</i> . <i>Marine Biotechnology</i> , 2002, 4, 512-519.	1.1	32
81	Regulation of pyruvate dehydrogenase in the common killifish, <i>Fundulus heteroclitus</i> , during hypoxia exposure.. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R979-R990.	0.9	32
82	Mitochondrial genotype and phenotypic plasticity of gene expression in response to cold acclimation in killifish. <i>Molecular Ecology</i> , 2017, 26, 814-830.	2.0	32
83	Effects of dietary canola oil level on growth, fatty acid composition and osmoregulatory ability of juvenile fall chinook salmon (<i>Oncorhynchus tshawytscha</i>). <i>Aquaculture</i> , 2008, 277, 303-312.	1.7	31
84	Correlates of prolonged swimming performance in F2 hybrids of migratory and non-migratory threespine stickleback ecotypes. <i>Journal of Experimental Biology</i> , 2012, 215, 3587-96.	0.8	31
85	Cline coupling and uncoupling in a stickleback hybrid zone. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1023-1038.	1.1	31
86	Descriptive and functional characterization of variation in the <i>Fundulus heteroclitus</i> Ldh-B proximal promoter. , 1996, 275, 355-364.		30
87	Interactive effects of cortisol treatment and ambient seawater challenge on gill Na ⁺ ,K ⁺ -ATPase and CFTR expression in two strains of Atlantic salmon smolts. <i>Aquaculture</i> , 2003, 222, 15-28.	1.7	30
88	Maternal stress has divergent effects on gene expression patterns in the brains of male and female threespine stickleback. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161734.	1.2	29
89	Small changes, big gains: A curriculum-wide study of teaching practices and student learning in undergraduate biology. <i>PLoS ONE</i> , 2019, 14, e0220900.	1.1	29
90	Stress and Interpopulation Variation in Glycolytic Enzyme Activity and Expression in a Teleost Fish <i>Fundulus heteroclitus</i> . <i>Physiological and Biochemical Zoology</i> , 2004, 77, 18-26.	0.6	28

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91	Variations in p53-like cDNA sequence are correlated with mussel haemic neoplasia: A potential molecular-level tool for biomonitoring. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 701, 145-152.	0.9	25
92	Similarities in temperature-dependent gene expression plasticity across timescales in threespine stickleback (<i>Gasterosteus aculeatus</i>). <i>Molecular Ecology</i> , 2018, 27, 2381-2396.	2.0	25
93	Beta-2-microglobulin gene expression is maintained in rainbow trout and Atlantic salmon kept at low temperatures. <i>Fish and Shellfish Immunology</i> , 2006, 21, 176-186.	1.6	24
94	Conserved structure and expression of hsp70 paralogs in teleost fishes. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016, 18, 10-20.	0.4	24
95	A novel hypoxia-response element in the lactate dehydrogenase-B gene of the killifish <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 154, 70-77.	0.8	23
96	Interactive effects of salinity and temperature acclimation on gill morphology and gene expression in threespine stickleback. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 221, 55-62.	0.8	23
97	Should I stay or should I go? The <i>Ectodysplasin</i> locus is associated with behavioural differences in threespine stickleback. <i>Biology Letters</i> , 2009, 5, 788-791.	1.0	22
98	Mitochondria, Temperature, and the Pace of Life. <i>Integrative and Comparative Biology</i> , 2018, 58, 578-590.	0.9	22
99	The association between metabolic rate, immune parameters, and growth performance of rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), following the injection of a DNA vaccine alone and concurrently with a polyvalent, oil-adjuvanted vaccine. <i>Fish and Shellfish Immunology</i> , 2010, 28, 387-393.	1.6	21
100	Differential Effects of Temperature on Oxygen Consumption and Branchial Fluxes of Urea, Ammonia, and Water in the Dogfish Shark (<i>Squalus acanthias suckleyi</i>). <i>Physiological and Biochemical Zoology</i> , 2017, 90, 627-637.	0.6	21
101	Claudin-10 isoform expression and cation selectivity change with salinity in salt-secreting epithelia of <i>F. heteroclitus</i> . <i>Journal of Experimental Biology</i> , 2017, 221, .	0.8	21
102	Derivation of a continuous myogenic cell culture from an embryo of common killifish, <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 175, 15-27.	0.8	20
103	The osmorepiratory compromise: physiological responses and tolerance to hypoxia are affected by salinity acclimation in the euryhaline Atlantic killifish (<i>Fundulus heteroclitus</i>). <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	20
104	Responses to simulated winter conditions differ between threespine stickleback ecotypes. <i>Molecular Ecology</i> , 2016, 25, 764-775.	2.0	19
105	Steep, coincident, and concordant clines in mitochondrial and nuclear-encoded genes in a hybrid zone between subspecies of Atlantic killifish, <i>Fundulus heteroclitus</i> . <i>Ecology and Evolution</i> , 2016, 6, 5771-5787.	0.8	19
106	Evolutionary Physiology and Genomics in the Highly Adaptable Killifish (<i>Fundulus heteroclitus</i>)	18	10 TF
107	From climate models to planetary habitability: temperature constraints for complex life. <i>International Journal of Astrobiology</i> , 2017, 16, 244-265.	0.9	17
108	Subspecies differences in thermal acclimation of mitochondrial function and the role of uncoupling proteins in killifish. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	17

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109	Beyond the Powerhouse: Integrating Mitonuclear Evolution, Physiology, and Theory in Comparative Biology. <i>Integrative and Comparative Biology</i> , 2019, 59, 856-863.	0.9	17
110	Acute temperature effects on metabolic rate, ventilation, diffusive water exchange, osmoregulation, and acid-base status in the Pacific hagfish (<i>Eptatretus stoutii</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 17-35.	0.7	17
111	Linkage arrangement of Na,K-ATPase genes in the tetraploid-derived genome of the rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Animal Genetics</i> , 2004, 35, 321-325.	0.6	16
112	Origins and functional diversification of salinity-responsive Na ⁺ , K ⁺ ATPase ± 1 paralogs in salmonids. <i>Molecular Ecology</i> , 2014, 23, 3483-3503.	2.0	15
113	Conserved effects of salinity acclimation on thermal tolerance and hsp70 expression in divergent populations of threespine stickleback (<i>Gasterosteus aculeatus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 879-889.	0.7	15
114	Metabolic and regulatory responses involved in cold acclimation in Atlantic killifish, <i>Fundulus heteroclitus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 463-475.	0.7	15
115	The effect of acute warming and thermal acclimation on maximum heart rate of the common killifish <i>Fundulus heteroclitus</i> . <i>Journal of Fish Biology</i> , 2019, 95, 1441-1446.	0.7	15
116	The effects of salinity and hypoxia exposure on oxygen consumption, ventilation, diffusive water exchange and ionoregulation in the Pacific hagfish (<i>Eptatretus stoutii</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 232, 47-59.	0.8	15
117	Evidence for a bimodal distribution of hybrid indices in a hybrid zone with high admixture. <i>Royal Society Open Science</i> , 2015, 2, 150285.	1.1	14
118	A rapid intrinsic heart rate resetting response with thermal acclimation in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	14
119	Acute measures of upper thermal and hypoxia tolerance are not reliable predictors of mortality following environmental challenges in rainbow trout (<i>Oncorhynchus mykiss</i>). , 2021, 9, coab095.		14
120	Growth and performance of Atlantic salmon, <i>Salmo salar</i> L., following administration of a rhabdovirus DNA vaccine alone or concurrently with an oil-adjuvanted, polyvalent vaccine. <i>Journal of Fish Diseases</i> , 2008, 31, 687-697.	0.9	13
121	Differential mRNA expression of seven genes involved in cholesterol metabolism and transport in the liver of atherosclerosis-susceptible and -resistant Japanese quail strains. <i>Genetics Selection Evolution</i> , 2012, 44, 20.	1.2	13
122	Low temperature and low salinity drive putatively adaptive growth differences in populations of threespine stickleback. <i>Scientific Reports</i> , 2017, 7, 16766.	1.6	13
123	Setting Conservation Priorities in a Widespread Species: Phylogeographic and Physiological Variation in the Lake Chub, <i>Couesius plumbeus</i> (Pisces: Cyprinidae). <i>Diversity</i> , 2013, 5, 149-165.	0.7	12
124	Phenotypic plasticity and divergence in gene expression. <i>Molecular Ecology</i> , 2015, 24, 3220-3222.	2.0	12
125	Evolutionary adaptations of gene structure and expression in natural populations in relation to a changing environment: A multidisciplinary approach to address the million-year saga of a small fish. , 1998, 282, 71.		12
126	Thermal Physiology of Warm-Spring Colonists: Variation among Lake Chub (<i>Cyprinidae: Couesius</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	11

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127	Ecological proteomics: Finding molecular markers that matter. <i>Molecular Ecology</i> , 2012, 21, 3382-3384.	2.0	11
128	Ionoregulatory aspects of the hypoxia-induced osmorepiratory compromise in the euryhaline Atlantic killifish (<i>Fundulus heteroclitus</i>): the effects of salinity. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	11
129	Structure and regulation of the cystic fibrosis transmembrane conductance regulator (CFTR) gene in killifish: A comparative genomics approach. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2008, 3, 172-185.	0.4	10
130	Concurrent injection of a rhabdovirus-specific DNA vaccine with a polyvalent, oil-adjuvanted vaccine delays the specific anti-viral immune response in Atlantic salmon, <i>Salmo salar</i> L.. <i>Fish and Shellfish Immunology</i> , 2010, 28, 579-586.	1.6	10
131	The effect of dietary fish oil and poultry fat replacement with canola oil on swimming performance and metabolic response to hypoxia in stream type spring Chinook salmon parr. <i>Aquaculture</i> , 2010, 308, 183-189.	1.7	10
132	Growth Acceleration of Seawater-Adapted Female Chinook Salmon <i>Oncorhynchus tshawytscha</i> by Constant Infusion of Recombinant Bovine Growth-Hormone Under Ambient Summer Conditions. <i>Journal of the World Aquaculture Society</i> , 1989, 20, 181-187.	1.2	9
133	Optimization of differential display polymerase chain reaction as a bioindicator for the cladoceran <i>Daphnia magna</i> . <i>Environmental Toxicology</i> , 2004, 19, 179-190.	2.1	8
134	Supra-physiological levels of cortisol suppress lysozyme but not the antibody response in Atlantic salmon, <i>Salmo salar</i> L., following vaccine injection. <i>Aquaculture</i> , 2010, 300, 223-230.	1.7	8
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136	Mitochondria, sex and variation in routine metabolic rate. <i>Molecular Ecology</i> , 2019, 28, 4608-4619.	2.0	6
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138	Gene expression and latitudinal variation in the stress response in <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 268, 111188.	0.8	3
139	Dietary lipid composition affects the gene expression of gill Na ⁺ /K ⁺ -ATPase $\hat{1}\pm 1b$ but not the $\hat{1}\pm 1a$ isoform in juvenile fall chinook salmon (<i>Oncorhynchus tshawytscha</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 141-149.	0.7	2
140	Growth genes are implicated in the evolutionary divergence of sympatric piscivorous and insectivorous rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Bmc Ecology and Evolution</i> , 2021, 21, 63.	0.7	2
141	How fish cope with changing environments: Insights from comparative genomics. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 148, 462.	1.3	1
142	Osmorepiratory compromise in an elasmobranch: oxygen consumption, ventilation and nitrogen metabolism during recovery from exhaustive exercise in dogfish sharks (<i>Squalus suckleyi</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 0, , .	0.7	0