

Patricia M Schulte

List of Publications by Year in descending order

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142
papers

9,591
citations

38742

50
h-index

43889

91
g-index

147
all docs

147
docs citations

147
times ranked

7961
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.8	3
2	Intraspecific variation in tolerance of warming in fishes. <i>Journal of Fish Biology</i> , 2021, 98, 1536-1555.	1.6	69
3	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.	1.6	2
4	Acute measures of upper thermal and hypoxia tolerance are not reliable predictors of mortality following environmental challenges in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>coab095</i> , 2021, 9,		14
5	Mitochondria and the thermal limits of ectotherms. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	64
6	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, .	1.7	11
7	Evolutionary Physiology and Genomics in the Highly Adaptable Killifish (<i>Fundulus heteroclitus</i>) Tj ETQq1 1 0.784314 rrgBT /Overl F8		
8	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, .	1.7	14
9	Beyond the Powerhouse: Integrating Mitonuclear Evolution, Physiology, and Theory in Comparative Biology. <i>Integrative and Comparative Biology</i> , 2019, 59, 856-863.	2.0	17
10	Mitochondrial Ecophysiology: Assessing the Evolutionary Forces That Shape Mitochondrial Variation. <i>Integrative and Comparative Biology</i> , 2019, 59, 925-937.	2.0	8
11	Understanding Maladaptation by Uniting Ecological and Evolutionary Perspectives. <i>American Naturalist</i> , 2019, 194, 495-515.	2.1	60
12	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, .	1.7	20
13	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.	1.6	15
14	Mitochondria, sex and variation in routine metabolic rate. <i>Molecular Ecology</i> , 2019, 28, 4608-4619.	3.9	6
15	Small changes, big gains: A curriculum-wide study of teaching practices and student learning in undergraduate biology. <i>PLoS ONE</i> , 2019, 14, e0220900.	2.5	29
16	Patterns of alternative splicing in response to cold acclimation in fish. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	43
17	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.	1.8	15
18	Don't throw the fish out with the respirometry water. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	43

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19	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.	1.5	17
20	Similarities in temperature-dependent gene expression plasticity across timescales in threespine stickleback (<i>Gasterosteus aculeatus</i>). <i>Molecular Ecology</i> , 2018, 27, 2381-2396.	3.9	25
21	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.	1.8	23
22	Patterns of mitochondrial membrane remodeling parallel functional adaptations to thermal stress. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	39
23	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.	2.5	51
24	Oxygen- and capacity-limited thermal tolerance: blurring ecology and physiology. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	204
25	Mitochondria, Temperature, and the Pace of Life. <i>Integrative and Comparative Biology</i> , 2018, 58, 578-590.	2.0	22
26	Subspecies differences in thermal acclimation of mitochondrial function and the role of uncoupling proteins in killifish. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	17
27	Tolerance traits related to climate change resilience are independent and polygenic. <i>Global Change Biology</i> , 2018, 24, 5348-5360.	9.5	38
28	The Mitochondrial Contribution to Animal Performance, Adaptation, and Life-History Variation. <i>Integrative and Comparative Biology</i> , 2018, 58, 480-485.	2.0	39
29	Integrative Population and Physiological Genomics Reveals Mechanisms of Adaptation in Killifish. <i>Molecular Biology and Evolution</i> , 2018, 35, 2639-2653.	8.9	33
30	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.	1.7	56
31	Gene expression plasticity in response to salinity acclimation in threespine stickleback ecotypes from different salinity habitats. <i>Molecular Ecology</i> , 2017, 26, 2711-2725.	3.9	72
32	Mitochondrial genotype and phenotypic plasticity of gene expression in response to cold acclimation in killifish. <i>Molecular Ecology</i> , 2017, 26, 814-830.	3.9	32
33	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.	2.6	88
34	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.	1.5	21
35	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, .	1.7	21
36	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

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37	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.	1.5	15
38	From climate models to planetary habitability: temperature constraints for complex life. <i>International Journal of Astrobiology</i> , 2017, 16, 244-265.	1.6	17
39	Low temperature and low salinity drive putatively adaptive growth differences in populations of threespine stickleback. <i>Scientific Reports</i> , 2017, 7, 16766.	3.3	13
40	Responses to simulated winter conditions differ between threespine stickleback ecotypes. <i>Molecular Ecology</i> , 2016, 25, 764-775.	3.9	19
41	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.	1.9	19
42	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.	1.5	15
43	Cline coupling and uncoupling in a stickleback hybrid zone. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1023-1038.	2.3	31
44	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.	2.6	29
45	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.	1.0	24
46	Warm acclimation improves hypoxia tolerance in <i>Fundulus heteroclitus</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 474-484.	1.7	105
47	Epigenomics in marine fishes. <i>Marine Genomics</i> , 2016, 30, 43-54.	1.1	61
48	Phenotypic plasticity and divergence in gene expression. <i>Molecular Ecology</i> , 2015, 24, 3220-3222.	3.9	12
49	Evidence for a bimodal distribution of hybrid indices in a hybrid zone with high admixture. <i>Royal Society Open Science</i> , 2015, 2, 150285.	2.4	14
50	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.	1.7	529
51	Mechanisms and costs of mitochondrial thermal acclimation in a eurythermal killifish (<i>Fundulus heteroclitus</i>). <i>Journal of Experimental Biology</i> , 2015, 218, 1856-1866.	1.7	59
52	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.	1.4	39
53	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.	1.8	20
54	What is environmental stress? Insights from fish living in a variable environment. <i>Journal of Experimental Biology</i> , 2014, 217, 23-34.	1.7	235

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55	Origins and functional diversification of salinity-responsive Na ⁺ /K ⁺ -ATPase $\hat{\pm}$ 1 paralogs in salmonids. <i>Molecular Ecology</i> , 2014, 23, 3483-3503.	3.9	15
56	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.	1.5	42
57	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.	1.7	153
58	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.	1.5	60
59	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.	2.0	195
60	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.	1.7	12
61	Thermal Physiology of Warm-Spring Colonists: Variation among Lake Chub (Cyprinidae: <i>Couesius</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.5	11
62	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.	1.5	162
63	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.	1.7	31
64	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.	2.3	55
65	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.	1.7	47
66	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.	3.0	13
67	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.	1.8	42
68	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.	2.3	50
69	Ecological proteomics: Finding molecular markers that matter. <i>Molecular Ecology</i> , 2012, 21, 3382-3384.	3.9	11
70	Factors affecting plasticity in whole-organism thermal tolerance in common killifish (<i>Fundulus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 <i>Physiology</i> , 2012, 182, 49-62.	1.5	91
71	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.	1.5	45
72	Proportion of prey consumed can be determined from faecal DNA using real-time PCR. <i>Molecular Ecology Resources</i> , 2011, 11, 530-540.	4.8	66

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73	Gene expression analysis for the identification of selection and local adaptation in fishes. <i>Journal of Fish Biology</i> , 2011, 78, 1-22.	1.6	40
74	Thermal Performance Curves, Phenotypic Plasticity, and the Time Scales of Temperature Exposure. <i>Integrative and Comparative Biology</i> , 2011, 51, 691-702.	2.0	547
75	Rapid evolution of cold tolerance in stickleback. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 233-238.	2.6	129
76	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.	1.7	70
77	Intraspecific variation in the thermal plasticity of mitochondria in killifish. <i>Journal of Experimental Biology</i> , 2011, 214, 3639-3648.	1.7	51
78	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.	8.9	196
79	Heat shock response of killifish (<i>Fundulus heteroclitus</i>): candidate gene and heterologous microarray approaches. <i>Physiological Genomics</i> , 2010, 41, 171-184.	2.3	58
80	Dietary lipid composition affects the gene expression of gill Na ⁺ /K ⁺ -ATPase β but not the α 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.	1.5	2
81	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.	3.9	52
82	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.	1.7	25
83	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.	3.6	21
84	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.	3.6	10
85	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.	3.5	8
86	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.	3.5	10
87	Niche Dimensions in Fishes: An Integrative View. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 808-826.	1.5	100
88	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.	2.3	22
89	Do mitochondrial properties explain intraspecific variation in thermal tolerance?. <i>Journal of Experimental Biology</i> , 2009, 212, 514-522.	1.7	172
90	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.	1.8	23

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91	Linking genotypes to phenotypes and fitness: how mechanistic biology can inform molecular ecology. <i>Molecular Ecology</i> , 2009, 18, 4997-5017.	3.9	158
92	Countergradient Variation in Temperature Preference in Populations of Killifish <i>Fundulus heteroclitus</i> . <i>Physiological and Biochemical Zoology</i> , 2009, 82, 776-786.	1.5	61
93	Macrophysiology: A Conceptual Reunification. <i>American Naturalist</i> , 2009, 174, 595-612.	2.1	298
94	Growth and performance of Atlantic salmon, <i>Salmo salar</i> L., following administration of a rhabdovirus DNA vaccine alone or concurrently with an oil ϵ adjuvanted, polyvalent vaccine. <i>Journal of Fish Diseases</i> , 2008, 31, 687-697.	1.9	13
95	Invertebrate p53-like mRNA isoforms are differentially expressed in mussel haemic neoplasia. <i>Marine Environmental Research</i> , 2008, 66, 412-421.	2.5	36
96	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.	3.5	41
97	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.	3.5	31
98	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.	1.0	10
99	How fish cope with changing environments: Insights from comparative genomics. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 148, 462.	2.6	1
100	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.	1.5	81
101	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.	1.8	32
102	Physiological and molecular mechanisms of osmoregulatory plasticity in killifish after seawater transfer. <i>Journal of Experimental Biology</i> , 2008, 211, 2450-2459.	1.7	85
103	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.	1.5	42
104	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.	2.5	66
105	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.	1.5	69
106	Reciprocal expression of gill Na ⁺ /K ⁺ -ATPase ϵ subunit isoforms ϵ 1a and ϵ 1b during seawater acclimation of three salmonid fishes that vary in their salinity tolerance. <i>Journal of Experimental Biology</i> , 2006, 209, 1848-1858.	1.7	172
107	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.	4.0	81
108	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.	3.6	24

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109	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.	1.5	37
110	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.	1.7	406
111	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.	1.7	71
112	From DNA to Fitness Differences: Sequences and Structures of Adaptive Variants of <i>Colias</i> Phosphoglucose Isomerase (PGI). <i>Molecular Biology and Evolution</i> , 2006, 23, 499-512.	8.9	77
113	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.	1.8	58
114	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.	1.5	44
115	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.	1.7	87
116	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.	1.7	120
117	Cross-tolerance in the Tidepool Sculpin: The Role of Heat Shock Proteins. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 133-144.	1.5	113
118	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.	1.5	28
119	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.	4.6	207
120	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.	1.7	111
121	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.	1.7	16
122	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.	1.8	42
123	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.	4.0	8
124	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.	1.6	42
125	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.	2.6	34
126	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.	3.5	30

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127	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.	1.7	300
128	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.	1.4	84
129	Heat shock protein genes and their functional significance in fish. <i>Gene</i> , 2002, 295, 173-183.	2.2	520
130	Molecular Cloning and Characterization of Two Na/K-ATPase Isoforms in <i>Fundulus heteroclitus</i> . <i>Marine Biotechnology</i> , 2002, 4, 512-519.	2.4	32
131	Environmental adaptations as windows on molecular evolution. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001, 128, 597-611.	1.6	83
132	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.	1.8	45
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