

Jonathan Mark Wilson

List of Publications by Year in descending order

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120
papers

4,702
citations

87723

38
h-index

118652

62
g-index

121
all docs

121
docs citations

121
times ranked

4292
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-tasking stomach: functional coexistence of acidâ€“peptic digestion and defensive body inflation in three distantly related vertebrate lineages. <i>Biology Letters</i> , 2022, 18, 20210583.	1.0	4
2	Niclosamide Is a Much More Potent Toxicant of Mitochondrial Respiration than TFM in the Invasive Sea Lamprey (<i>Petromyzon marinus</i>). <i>Environmental Science & Technology</i> , 2022, 56, 4970-4979.	4.6	13
3	Retention of larval skin traits in adult amphibious killifishes: a cross-species investigation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2022, 192, 473-488.	0.7	2
4	The ontogeny of Na ⁺ uptake in larval rainbow trout reared in waters of different Na ⁺ content. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 29-42.	0.7	1
5	Freshening effect on the osmotic response of the Antarctic spiny plunderfish <i>Harpagifer antarcticus</i> . <i>Journal of Fish Biology</i> , 2021, 98, 1558-1571.	0.7	4
6	Novel spikey ionocytes are regulated by cortisol in the skin of an amphibious fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20212324.	1.2	6
7	Is the dendritic organ of the striped eel catfish <i>Plotosus lineatus</i> an ammonia excretory organ?. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 241, 110640.	0.8	1
8	Extra-gastric expression of the proton pump H ⁺ /K ⁺ -ATPase in the gills and kidney of the teleost <i>Oreochromis niloticus</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	7
9	Functional re-organization of the gills of metamorphosing sea lamprey (<i>Petromyzon marinus</i>): preparation for a blood diet and the freshwater to seawater transition. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 701-715.	0.7	17
10	Effects of Water Acidification on Senegalese Sole <i>Solea senegalensis</i> Health Status and Metabolic Rate: Implications for Immune Responses and Energy Use. <i>Frontiers in Physiology</i> , 2020, 11, 26.	1.3	16
11	Reduced sexual size dimorphism in a pipefish population where males do not prefer larger females. <i>Ecology and Evolution</i> , 2019, 9, 12826-12835.	0.8	1
12	An in vitro analysis of intestinal ammonia transport in fasted and fed freshwater rainbow trout: roles of NKCC, K ⁺ channels, and Na ⁺ , K ⁺ ATPase. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 549-566.	0.7	13
13	Molecular ontogeny of the stomach in the catshark <i>Scyliorhinus canicula</i> . <i>Scientific Reports</i> , 2019, 9, 586.	1.6	4
14	Blood and Gill Carbonic Anhydrase in the Context of a Chondrichthyan Model of CO ₂ Excretion. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 554-566.	0.6	12
15	Skin ionocyte remodeling in the amphibious mangrove rivulus fish (<i>Kryptolebias marmoratus</i>). <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 128-138.	0.9	9
16	Mitigation of lampricide toxicity to juvenile lake sturgeon: the importance of water alkalinity and life stage. , 2019, 7, coz089.		10
17	Acute hyperoxia induces systemic responses with no major changes in peripheral tissues in the Senegalese sole (<i>Solea senegalensis</i> Kaup, 1858). <i>Fish and Shellfish Immunology</i> , 2018, 74, 260-267.	1.6	5
18	A solution to nature's haemoglobin knockout: a plasma-accessible carbonic anhydrase catalyses CO ₂ excretion in Antarctic icefish gills. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	12

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19	Effect of dendritic organ ligation on striped eel catfish <i>Plotosus lineatus</i> osmoregulation. <i>PLoS ONE</i> , 2018, 13, e0206206.	1.1	4
20	Osmoregulation in the Plotosidae Catfish: Role of the Salt Secreting Dendritic Organ. <i>Frontiers in Physiology</i> , 2018, 9, 761.	1.3	11
21	Widespread use of emersion and cutaneous ammonia excretion in Aplocheiloid killifishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181496.	1.2	23
22	Different mechanisms of Na ⁺ uptake and ammonia excretion by the gill and yolk sac epithelium of early life stage rainbow trout. <i>Journal of Experimental Biology</i> , 2017, 220, 775-786.	0.8	16
23	Role of TGF-alpha in the progression of diabetic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F951-F962.	1.3	19
24	Cortisol plays a role in the high environmental ammonia associated suppression of the immune response in zebrafish. <i>General and Comparative Endocrinology</i> , 2017, 249, 32-39.	0.8	16
25	Dietary electrolyte balance affects growth performance, amylase activity and metabolic response in the meagre (<i>Argyrosomus regius</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 211, 8-15.	0.7	9
26	Ammonia independent sodium uptake mediated by Na ⁺ channels and NHEs in the freshwater ribbon leech <i>Nepheleopsis obscura</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 3270-3279.	0.8	9
27	Nitrogen metabolism in tambaqui (<i>Colossoma macropomum</i>), a neotropical model teleost: hypoxia, temperature, exercise, feeding, fasting, and high environmental ammonia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 135-151.	0.7	31
28	Partitioning the metabolic scope: the importance of anaerobic metabolism and implications for the oxygen- and capacity-limited thermal tolerance (OCLTT) hypothesis. , 2016, 4, cow019.		22
29	The Gastric Phenotype in the Cypriniform Loaches: A Case of Reinvention?. <i>PLoS ONE</i> , 2016, 11, e0163696.	1.1	8
30	(Uncommon) Mechanisms of Branchial Ammonia Excretion in the Common Carp (<i>Cyprinus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Zoology</i> , 2016, 89, 26-40.	0.6	17
31	Conservation physiology of marine fishes: state of the art and prospects for policy. , 2016, 4, cow046.		89
32	A cytosolic carbonic anhydrase molecular switch occurs in the gills of metamorphic sea lamprey. <i>Scientific Reports</i> , 2016, 6, 33954.	1.6	20
33	Effects of salinity on upstream-migrating, spawning sea lamprey, <i>Petromyzon marinus</i> , , 2016, 4, cov064.		39
34	Measuring maximum and standard metabolic rates using intermittent flow respirometry: a student laboratory investigation of aerobic metabolic scope and environmental hypoxia in aquatic breathers. <i>Journal of Fish Biology</i> , 2016, 88, 265-283.	0.7	76
35	Evidence for a plasma-accessible carbonic anhydrase in the lumen of salmon heart that may enhance oxygen delivery to the myocardium. <i>Journal of Experimental Biology</i> , 2016, 219, 719-724.	0.8	39
36	Basal Gnathostomes Provide Unique Insights into the Evolution of Vitamin B12 Binders. <i>Genome Biology and Evolution</i> , 2015, 7, 457-464.	1.1	6

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37	Effects of Cd injection on osmoregulation and stress indicators in freshwater Nile tilapia. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 167, 81-89.	1.3	6
38	Expression of Key Ion Transporters in the Gill and Esophageal-Gastrointestinal Tract of Euryhaline Mozambique Tilapia <i>Oreochromis mossambicus</i> Acclimated to Fresh Water, Seawater and Hypersaline Water. <i>PLoS ONE</i> , 2014, 9, e87591.	1.1	51
39	A unique mode of tissue oxygenation and the adaptive radiation of teleost fishes. <i>Journal of Experimental Biology</i> , 2014, 217, 1205-1214.	0.8	65
40	Rh vs pH: the role of Rhesus glycoproteins in renal ammonia excretion during metabolic acidosis in a freshwater teleost fish. <i>Journal of Experimental Biology</i> , 2014, 217, 2855-65.	0.8	14
41	Recurrent gene loss correlates with the evolution of stomach phenotypes in gnathostome history. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132669.	1.2	65
42	Inhibition of Activin A Ameliorates Skeletal Muscle Injury and Rescues Contractile Properties by Inducing Efficient Remodeling in Female Mice. <i>American Journal of Pathology</i> , 2014, 184, 1152-1166.	1.9	28
43	Ammonia excretion and expression of transport proteins in the gills and skin of the intertidal fish <i>Lipophrys pholis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 167, 15-24.	0.8	11
44	Mechanisms of transepithelial ammonia excretion and luminal alkalization in the gut of an intestinal air-breathing fish, <i>Misgurnus anguilliacaudatus</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 623-32.	0.8	14
45	Adaptation to different salinities exposes functional specialization in the intestine of the sea bream (<i>Sparus aurata</i> L.). <i>Journal of Experimental Biology</i> , 2013, 216, 470-9.	0.8	73
46	Effects of Exposure to Cadmium on Some Endocrine Parameters in Tilapia, <i>Oreochromis niloticus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 90, 55-59.	1.3	26
47	P-glycoprotein and CYP1A protein expression patterns in Nile tilapia (<i>Oreochromis niloticus</i>) tissues after waterborne exposure to benzo(a)pyrene (BaP). <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 611-625.	2.0	21
48	Ursolic acid induces cell death and modulates autophagy through JNK pathway in apoptosis-resistant colorectal cancer cells. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 706-712.	1.9	87
49	Marine, freshwater and aeri ally acclimated mangrove rivulus (<i>Kryptolebias marmoratus</i>) use different strategies for cutaneous ammonia excretion. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R599-R612.	0.9	33
50	Increases in apoptosis, caspase activity and expression of p53 and bax, and the transition between two types of mitochondrion-rich cells, in the gills of the climbing perch, <i>Anabas testudineus</i> , during a progressive acclimation from freshwater to seawater. <i>Frontiers in Physiology</i> , 2013, 4, 135.	1.3	74
51	Branchial Na ⁺ :K ⁺ :2Cl ⁻ cotransporter 1 and Na ⁺ /K ⁺ -ATPase $\hat{\pm}$ -subunit in a brackish water-type ionocyte of the euryhaline freshwater white-rimmed stingray, <i>Himantura signifer</i> . <i>Frontiers in Physiology</i> , 2013, 4, 362.	1.3	16
52	Rh proteins and NH ₄ ⁺ -activated Na ⁺ -ATPase in the Magadi tilapia (<i>Alcolapia grahami</i>), a 100% ureotelic teleost fish. <i>Journal of Experimental Biology</i> , 2013, 216, 2998-3007.	0.8	35
53	Roles of three branchial Na ⁺ -K ⁺ -ATPase $\hat{\pm}$ -subunit isoforms in freshwater adaptation, seawater acclimation, and active ammonia excretion in <i>Anabas testudineus</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R112-R125.	0.9	41
54	Hoxd13 Contribution to the Evolution of Vertebrate Appendages. <i>Developmental Cell</i> , 2012, 23, 1219-1229.	3.1	83

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55	The inhibitory effect of environmental ammonia on <i>Danio rerio</i> LPS induced acute phase response. <i>Developmental and Comparative Immunology</i> , 2012, 36, 279-288.	1.0	28
56	A novel Acetyl-CoA synthetase short-chain subfamily member 1 (<i>Acss1</i>) gene indicates a dynamic history of paralogue retention and loss in vertebrates. <i>Gene</i> , 2012, 497, 249-255.	1.0	12
57	Extreme Environments: Hypersaline, Alkaline, and Ion-Poor Waters. <i>Fish Physiology</i> , 2012, 32, 435-476.	0.2	27
58	The Evolution of Pepsinogen C Genes in Vertebrates: Duplication, Loss and Functional Diversification. <i>PLoS ONE</i> , 2012, 7, e32852.	1.1	19
59	Water balance trumps ion balance for early marine survival of juvenile pink salmon (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlook Physiology, 2012, 182, 781-792.	0.7	12
60	Cystic fibrosis transmembrane conductance regulator in the gills of the climbing perch, <i>Anabas testudineus</i> , is involved in both hypoosmotic regulation during seawater acclimation and active ammonia excretion during ammonia exposure. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 793-812.	0.7	20
61	Effects of gradual salinity increase on osmoregulation in Caspian roach <i>Rutilus caspicus</i> . <i>Journal of Fish Biology</i> , 2012, 81, 125-134.	0.7	18
62	Functional Desaturase <i>Fads1</i> (F ⁵) and <i>Fads2</i> (F ⁶) Orthologues Evolved before the Origin of Jawed Vertebrates. <i>PLoS ONE</i> , 2012, 7, e31950.	1.1	121
63	Molecular mechanisms of hepcidin regulation in sea bass (<i>Dicentrarchus labrax</i>). <i>Fish and Shellfish Immunology</i> , 2011, 31, 1154-1161.	1.6	29
64	Metabolic and osmoregulatory changes and cell proliferation in gilthead sea bream (<i>Sparus aurata</i>) exposed to cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 270-278.	2.9	29
65	Natural history of SLC11 genes in vertebrates: tales from the fish world. <i>BMC Evolutionary Biology</i> , 2011, 11, 106.	3.2	20
66	The evolutionary history of the stearoyl-CoA desaturase gene family in vertebrates. <i>BMC Evolutionary Biology</i> , 2011, 11, 132.	3.2	90
67	Rosmarinic acid, major phenolic constituent of Greek sage herbal tea, modulates rat intestinal SGLT1 levels with effects on blood glucose. <i>Molecular Nutrition and Food Research</i> , 2011, 55, S15-25.	1.5	37
68	Branchial osmoregulation in the euryhaline bull shark, <i>Carcharhinus leucas</i> : a molecular analysis of ion transporters. <i>Journal of Experimental Biology</i> , 2011, 214, 2883-2895.	0.8	53
69	Intestinal osmoregulatory acclimation and nitrogen metabolism in juveniles of the freshwater marble goby exposed to seawater. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 511-520.	0.7	18
70	RNA helicase <i>Ddx39</i> is expressed in the developing central nervous system, limb, otic vesicle, branchial arches and facial mesenchyme of <i>Xenopus laevis</i> . <i>Gene Expression Patterns</i> , 2010, 10, 44-52.	0.3	12
71	Hyperosmotic shock adaptation by cortisol involves upregulation of branchial osmotic stress transcription factor 1 gene expression in Mozambique Tilapia. <i>General and Comparative Endocrinology</i> , 2010, 165, 321-329.	0.8	20
72	Branchial ammonia excretion in the Asian weatherloach <i>Misgurnus anguillicaudatus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 40-50.	1.3	11

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73	Ions first: Na ⁺ uptake shifts from the skin to the gills before O ₂ uptake in developing rainbow trout, <i>Oncorhynchus mykiss</i> . Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1553-1560.	1.2	78
74	Morphological diversity of the gastrointestinal tract in fishes. Fish Physiology, 2010, , 1-55.	0.2	124
75	Ammonia transport in cultured gill epithelium of freshwater rainbow trout: the importance of Rhesus glycoproteins and the presence of an apical Na ⁺ /NH ₄ ⁺ exchange complex. Journal of Experimental Biology, 2009, 212, 878-892.	0.8	91
76	Complete intracellular pH protection during extracellular pH depression is associated with hypercarbia tolerance in white sturgeon, <i>Acipenser transmontanus</i> . American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R1868-R1880.	0.9	63
77	Nitrogen metabolism and branchial osmoregulatory acclimation in the juvenile marble goby, <i>Oxyeleotris marmorata</i> , exposed to seawater. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 154, 360-369.	0.8	21
78	Branchial and intestinal osmoregulatory acclimation in the four-eyed sleeper, <i>Bostrychus sinensis</i> (Lacepède), exposed to seawater. Marine Biology, 2009, 156, 1751-1764.	0.7	13
79	Non-steroidal anti-inflammatory drugs disturb the osmoregulatory, metabolic and cortisol responses associated with seawater exposure in rainbow trout. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 481-490.	1.3	22
80	AMMONIA SENSITIVITY OF THE GLASS EEL (<i>ANGUILLA ANGUILLA</i> L.): SALINITY DEPENDENCE AND THE ROLE OF BRANCHIAL SODIUM/POTASSIUM ADENOSINE TRIPHOSPHATASE. Environmental Toxicology and Chemistry, 2009, 28, 141.	2.2	8
81	Transferrin and ferritin response to bacterial infection: The role of the liver and brain in fish. Developmental and Comparative Immunology, 2009, 33, 848-857.	1.0	146
82	Ionoregulatory changes during metamorphosis and salinity exposure of juvenile sea lamprey (<i>Petromyzon marinus</i> L.). Journal of Experimental Biology, 2008, 211, 978-988.	0.8	66
83	The Chick as a Model for Retina Development and Regeneration. , 2008, , 102-119.		5
84	Ammonia excretion in rainbow trout (<i>Oncorhynchus mykiss</i>): evidence for Rh glycoprotein and H ⁺ -ATPase involvement. Physiological Genomics, 2007, 31, 463-474.	1.0	202
85	Rhesus glycoprotein gene expression in the mangrove killifish <i>Kryptolebias marmoratus</i> exposed to elevated environmental ammonia levels and air. Journal of Experimental Biology, 2007, 210, 2419-2429.	0.8	112
86	Is there a compromise between nutrient uptake and gas exchange in the gut of <i>Misgurnus anguillicaudatus</i> , an intestinal air-breathing fish?. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2007, 2, 345-355.	0.4	47
87	Changes in tissue free amino acid contents, branchial Na ⁺ /K ⁺ -ATPase activity and bimodal breathing pattern in the freshwater climbing perch, <i>Anabas testudineus</i> (Bloch), during seawater acclimation. Journal of Experimental Zoology, 2007, 307A, 708-723.	1.2	36
88	Seasonal changes in ionoregulatory variables of the glass eel <i>Anguilla anguilla</i> following estuarine entry: comparison with resident elvers. Journal of Fish Biology, 2007, 70, 1239-1253.	0.7	14
89	Expression patterns of chick Musashi-1 in the developing nervous system. Gene Expression Patterns, 2007, 7, 817-825.	0.3	10
90	Modulation of branchial ion transport protein expression by salinity in glass eels (<i>Anguilla anguilla</i>)	0.7	68

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91	The Use of Immunochemistry in the Study of Branchial Ion Transport Mechanisms. , 2007, , 359-394.		2
92	Salvia fruticosa tea drinking reduces the expression of sodium/glucose cotransporter 1 in enterocytes brush-border membrane of streptozotocin-induced diabetic rats. <i>Planta Medica</i> , 2007, 73, .	0.7	0
93	Musashi Expression in Developing and Mature Chick Eye. <i>FASEB Journal</i> , 2007, 21, A146.	0.2	0
94	Dual function of fish hepcidin: Response to experimental iron overload and bacterial infection in sea bass (<i>Dicentrarchus labrax</i>). <i>Developmental and Comparative Immunology</i> , 2006, 30, 1156-1167.	1.0	144
95	Effect of Reduction in Water Salinity on Osmoregulation and Survival of Large Atlantic Salmon Held at High Water Temperature. <i>North American Journal of Aquaculture</i> , 2006, 68, 324-329.	0.7	8
96	Cadmium tolerance in the Nile tilapia (<i>Oreochromis niloticus</i>) following acute exposure: Assessment of some ionoregulatory parameters. <i>Environmental Toxicology</i> , 2006, 21, 33-46.	2.1	91
97	An evaluation of the otolith characteristics of Conger conger during metamorphosis. <i>Journal of Fish Biology</i> , 2006, 68, 99-119.	0.7	14
98	Fooling a freshwater fish: how dietary salt transforms the rainbow trout gill into a seawater gill phenotype. <i>Journal of Experimental Biology</i> , 2006, 209, 4591-4596.	0.8	36
99	Active ammonia transport and excretory nitrogen metabolism in the climbing perch, <i>Anabas testudineus</i> , during 4 days of emersion or 10 minutes of forced exercise on land. <i>Journal of Experimental Biology</i> , 2006, 209, 4475-4489.	0.8	47
100	Nitrogen Excretion And Defense Against Ammonia Toxicity. <i>Fish Physiology</i> , 2005, 21, 307-395.	0.2	33
101	Transition in organ function during the evolution of air-breathing; insights from <i>Arapaima gigas</i> , an obligate air-breathing teleost from the Amazon. <i>Journal of Experimental Biology</i> , 2004, 207, 1433-1438.	0.8	106
102	Defences against ammonia toxicity in tropical air-breathing fishes exposed to high concentrations of environmental ammonia: a review. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2004, 174, 565-75.	0.7	48
103	The giant mudskipper <i>Periophthalmodon schlosseri</i> facilitates active NH ₄ ⁺ excretion by increasing acid excretion and decreasing NH ₃ permeability in the skin. <i>Journal of Experimental Biology</i> , 2004, 207, 787-801.	0.8	58
104	Air Breathing and Ammonia Excretion in the Giant Mudskipper, <i>Periophthalmodon schlosseri</i> . <i>Physiological and Biochemical Zoology</i> , 2004, 77, 783-788.	0.6	41
105	Osmoregulatory plasticity of the glass eel of <i>Anguilla anguilla</i> : freshwater entry and changes in branchial ion-transport protein expression. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 432-442.	0.7	55
106	Alkaline Environmental pH Has No Effect on Ammonia Excretion in the Mudskipper <i>Periophthalmodon schlosseri</i> but Inhibits Ammonia Excretion in the Related Species <i>Boleophthalmus boddarti</i> . <i>Physiological and Biochemical Zoology</i> , 2003, 76, 204-214.	0.6	46
107	Water Chloride Provides Partial Protection during Chronic Exposure to Waterborne Silver in Rainbow Trout (<i>Oncorhynchus mykiss</i>) Embryos and Larvae. <i>Physiological and Biochemical Zoology</i> , 2003, 76, 803-815.	0.6	15
108	Ionoregulatory Changes in the Gill Epithelia of Coho Salmon during Seawater Acclimation. <i>Physiological and Biochemical Zoology</i> , 2002, 75, 237-249.	0.6	55

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109	Intestinal bicarbonate secretion by marine teleost fish—why and how?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1566, 182-193.	1.4	185
110	Branchial mitochondria-rich cells in the dogfish <i>Squalus acanthias</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 132, 365-374.	0.8	43
111	Fish gill morphology: inside out. <i>The Journal of Experimental Zoology</i> , 2002, 293, 192-213.	1.4	352
112	Branchial carbonic anhydrase is present in the dogfish, <i>Squalus acanthias</i> . <i>Fish Physiology and Biochemistry</i> , 2000, 22, 329-336.	0.9	31
113	The mudskipper, <i>Periophthalmodon schlosseri</i> , actively transports NH ₄ ⁺ against a concentration gradient. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 277, R1562-R1567.	0.9	59
114	Fine structure of the gill epithelium of the terrestrial mudskipper, <i>Periophthalmodon schlosseri</i> . <i>Cell and Tissue Research</i> , 1999, 298, 345-356.	1.5	50
115	Na ⁺ /K ⁺ -ATPase activity and immunocytochemical labeling in podobranchial filament and lamina of the freshwater crayfish <i>Astacus leptodactylus</i> Eschscholtz: evidence for the existence of sodium transport in the filaments. <i>Tissue and Cell</i> , 1999, 31, 523-528.	1.0	12
116	Distribution of actin bundles in Bowman's capsule of rat kidney. <i>Tissue and Cell</i> , 1999, 31, 610-616.	1.0	2
117	Inhibition of ammonia excretion and production in rainbow trout during severe alkaline exposure. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 121, 99-109.	0.7	26
118	beta-Naphthoflavone abolishes interrenal sensitivity to ACTH stimulation in rainbow trout. <i>Journal of Endocrinology</i> , 1998, 157, 63-70.	1.2	61
119	Oxygen consumption and Na ⁺ ,K ⁺ -ATPase activity of rectal gland and gill tissue in the spiny dogfish, <i>Squalus acanthias</i> . <i>Canadian Journal of Zoology</i> , 1997, 75, 820-825.	0.4	11
120	Immunolocalization of proton-ATPase in the gills of the elasmobranch, <i>Squalus acanthias</i> . , 1997, 278, 78-86.		33