

Jonathan Mark Wilson

List of Publications by Year in descending order

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120
papers

4,702
citations

87888

38
h-index

118850

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.	2.3	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.	10.0	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.	1.5	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.	1.5	1
5	Freshening effect on the osmotic response of the <sc>A</sc>ntarctic spiny plunderfish <i>Harpagifer antarcticus</i>. <i>Journal of Fish Biology</i> , 2021, 98, 1558-1571.	1.6	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.	2.6	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.	1.8	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, .	1.7	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.	1.5	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.	2.8	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.	1.9	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.	1.5	13
13	Molecular ontogeny of the stomach in the catshark <i>Scyliorhinus canicula</i> . <i>Scientific Reports</i> , 2019, 9, 586.	3.3	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.	1.5	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.	1.9	9
16	Mitigation of lampricide toxicity to juvenile lake sturgeon: the importance of water alkalinity and life stage. , 2019, 7, 1-8.		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.	3.6	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, .	1.7	12

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19	Effect of dendritic organ ligation on striped eel catfish <i>Plotosus lineatus</i> osmoregulation. PLoS ONE, 2018, 13, e0206206.	2.5	4
20	Osmoregulation in the Plotosidae Catfish: Role of the Salt Secreting Dendritic Organ. Frontiers in Physiology, 2018, 9, 761.	2.8	11
21	Widespread use of emersion and cutaneous ammonia excretion in Aplocheiloid killifishes. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181496.	2.6	23
22	Different mechanisms of Na ⁺ uptake and ammonia excretion by the gill and yolk sac epithelium of early life stage rainbow trout. Journal of Experimental Biology, 2017, 220, 775-786.	1.7	16
23	Role of TGF- α in the progression of diabetic kidney disease. American Journal of Physiology - Renal Physiology, 2017, 312, F951-F962.	2.7	19
24	Cortisol plays a role in the high environmental ammonia associated suppression of the immune response in zebrafish. General and Comparative Endocrinology, 2017, 249, 32-39.	1.8	16
25	Dietary electrolyte balance affects growth performance, amylase activity and metabolic response in the meagre (<i>Argyrosomus regius</i>). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 211, 8-15.	1.6	9
26	Ammonia independent sodium uptake mediated by Na ⁺ channels and NHEs in the freshwater ribbon leech <i>Nepheleopsis obscura</i> . Journal of Experimental Biology, 2017, 220, 3270-3279.	1.7	9
27	Nitrogen metabolism in tambaqui (<i>Colossoma macropomum</i>), a neotropical model teleost: hypoxia, temperature, exercise, feeding, fasting, and high environmental ammonia. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 135-151.	1.5	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?. PLoS ONE, 2016, 11, e0163696.	2.5	8
30	(Uncommon) Mechanisms of Branchial Ammonia Excretion in the Common Carp (<i>Cyprinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Zoology, 2016, 89, 26-40.	1.5	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. Scientific Reports, 2016, 6, 33954.	3.3	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. Journal of Fish Biology, 2016, 88, 265-283.	1.6	76
35	Evidence for a plasma-accessible carbonic anhydrase in the lumen of salmon heart that may enhance oxygen delivery to the myocardium. Journal of Experimental Biology, 2016, 219, 719-724.	1.7	39
36	Basal Gnathostomes Provide Unique Insights into the Evolution of Vitamin B12 Binders. Genome Biology and Evolution, 2015, 7, 457-464.	2.5	6

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37	Effects of Cd injection on osmoregulation and stress indicators in freshwater Nile tilapia. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 167, 81-89.	2.6	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. PLoS ONE, 2014, 9, e87591.	2.5	51
39	A unique mode of tissue oxygenation and the adaptive radiation of teleost fishes. Journal of Experimental Biology, 2014, 217, 1205-1214.	1.7	65
40	Rh vs pH: the role of Rhesus glycoproteins in renal ammonia excretion during metabolic acidosis in a freshwater teleost fish. Journal of Experimental Biology, 2014, 217, 2855-65.	1.7	14
41	Recurrent gene loss correlates with the evolution of stomach phenotypes in gnathostome history. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132669.	2.6	65
42	Inhibition of Activin A Ameliorates Skeletal Muscle Injury and Rescues Contractile Properties by Inducing Efficient Remodeling in Female Mice. American Journal of Pathology, 2014, 184, 1152-1166.	3.8	28
43	Ammonia excretion and expression of transport proteins in the gills and skin of the intertidal fish <i>Lipophrys pholis</i> . Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 167, 15-24.	1.8	11
44	Mechanisms of transepithelial ammonia excretion and luminal alkalization in the gut of an intestinal air-breathing fish, <i>Misgurnus anguillicaudatus</i> . Journal of Experimental Biology, 2013, 216, 623-32.	1.7	14
45	Adaptation to different salinities exposes functional specialization in the intestine of the sea bream (<i>Sparus aurata</i> L.). Journal of Experimental Biology, 2013, 216, 470-9.	1.7	73
46	Effects of Exposure to Cadmium on Some Endocrine Parameters in Tilapia, <i>Oreochromis niloticus</i> . Bulletin of Environmental Contamination and Toxicology, 2013, 90, 55-59.	2.7	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). Environmental Toxicology and Pharmacology, 2013, 36, 611-625.	4.0	21
48	Ursolic acid induces cell death and modulates autophagy through JNK pathway in apoptosis-resistant colorectal cancer cells. Journal of Nutritional Biochemistry, 2013, 24, 706-712.	4.2	87
49	Marine, freshwater and aerally acclimated mangrove rivulus (<i>Kryptolebias marmoratus</i>) use different strategies for cutaneous ammonia excretion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R599-R612.	1.8	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. Frontiers in Physiology, 2013, 4, 135.	2.8	74
51	Branchial Na ⁺ :K ⁺ :2Cl ⁻ cotransporter 1 and Na ⁺ /K ⁺ -ATPase α -subunit in a brackish water-type ionocyte of the euryhaline freshwater white-rimmed stingray, <i>Himantura signifer</i> . Frontiers in Physiology, 2013, 4, 362.	2.8	16
52	Rh proteins and NH ₄ ⁺ -activated Na ⁺ -ATPase in the Magadi tilapia (<i>Alcolapia grahami</i>), a 100% ureotelic teleost fish. Journal of Experimental Biology, 2013, 216, 2998-3007.	1.7	35
53	Roles of three branchial Na ⁺ -K ⁺ -ATPase α -subunit isoforms in freshwater adaptation, seawater acclimation, and active ammonia excretion in <i>Anabas testudineus</i> . American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R112-R125.	1.8	41
54	Hoxd13 Contribution to the Evolution of Vertebrate Appendages. Developmental Cell, 2012, 23, 1219-1229.	7.0	83

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55	The inhibitory effect of environmental ammonia on Danio rerio LPS induced acute phase response. Developmental and Comparative Immunology, 2012, 36, 279-288.	2.3	28
56	A novel Acetyl-CoA synthetase short-chain subfamily member 1 (Acss1) gene indicates a dynamic history of paralogue retention and loss in vertebrates. Gene, 2012, 497, 249-255.	2.2	12
57	Extreme Environments: Hypersaline, Alkaline, and Ion-Poor Waters. Fish Physiology, 2012, 32, 435-476.	0.8	27
58	The Evolution of Pepsinogen C Genes in Vertebrates: Duplication, Loss and Functional Diversification. PLoS ONE, 2012, 7, e32852.	2.5	19
59	Water balance trumps ion balance for early marine survival of juvenile pink salmon (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock Physiology, 2012, 182, 781-792.	1.5	12
60	Cystic fibrosis transmembrane conductance regulator in the gills of the climbing perch, Anabas testudineus, is involved in both hypoosmotic regulation during seawater acclimation and active ammonia excretion during ammonia exposure. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 793-812.	1.5	20
61	Effects of gradual salinity increase on osmoregulation in Caspian roach <i>Rutilus caspicus</i>. Journal of Fish Biology, 2012, 81, 125-134.	1.6	18
62	Functional Desaturase Fads1 (f5) and Fads2 (f6) Orthologues Evolved before the Origin of Jawed Vertebrates. PLoS ONE, 2012, 7, e31950.	2.5	121
63	Molecular mechanisms of hepcidin regulation in sea bass (Dicentrarchus labrax). Fish and Shellfish Immunology, 2011, 31, 1154-1161.	3.6	29
64	Metabolic and osmoregulatory changes and cell proliferation in gilthead sea bream (Sparus aurata) exposed to cadmium. Ecotoxicology and Environmental Safety, 2011, 74, 270-278.	6.0	29
65	Natural history of SLC11 genes in vertebrates: tales from the fish world. BMC Evolutionary Biology, 2011, 11, 106.	3.2	20
66	The evolutionary history of the stearoyl-CoA desaturase gene family in vertebrates. BMC Evolutionary Biology, 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. Molecular Nutrition and Food Research, 2011, 55, S15-25.	3.3	37
68	Branchial osmoregulation in the euryhaline bull shark, <i>Carcharhinus leucas</i>: a molecular analysis of ion transporters. Journal of Experimental Biology, 2011, 214, 2883-2895.	1.7	53
69	Intestinal osmoregulatory acclimation and nitrogen metabolism in juveniles of the freshwater marble goby exposed to seawater. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 511-520.	1.5	18
70	RNA helicase Ddx39 is expressed in the developing central nervous system, limb, otic vesicle, branchial arches and facial mesenchyme of Xenopus laevis. Gene Expression Patterns, 2010, 10, 44-52.	0.8	12
71	Hyperosmotic shock adaptation by cortisol involves upregulation of branchial osmotic stress transcription factor 1 gene expression in Mozambique Tilapia. General and Comparative Endocrinology, 2010, 165, 321-329.	1.8	20
72	Branchial ammonia excretion in the Asian weatherloach Misgurnus anguillicaudatus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 151, 40-50.	2.6	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.	2.6	78
74	Morphological diversity of the gastrointestinal tract in fishes. Fish Physiology, 2010, , 1-55.	0.8	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.	1.7	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.	1.8	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.	1.8	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.	1.5	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.	2.6	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.	4.3	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.	2.3	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.	1.7	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.	2.3	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.	1.7	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.	1.0	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.	1.6	14
89	Expression patterns of chick Musashi-1 in the developing nervous system. Gene Expression Patterns, 2007, 7, 817-825.	0.8	10
90	Modulation of branchial ion transport protein expression by salinity in glass eels (<i>Anguilla anguilla</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.5	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, .	1.3	0
93	Musashi Expression in Developing and Mature Chick Eye. <i>FASEB Journal</i> , 2007, 21, A146.	0.5	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.	2.3	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.	1.4	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.	4.0	91
97	An evaluation of the otolith characteristics of Conger conger during metamorphosis. <i>Journal of Fish Biology</i> , 2006, 68, 99-119.	1.6	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.	1.7	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.	1.7	47
100	Nitrogen Excretion And Defense Against Ammonia Toxicity. <i>Fish Physiology</i> , 2005, 21, 307-395.	0.8	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.	1.7	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.	1.5	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.	1.7	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.	1.5	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.	1.4	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.	1.5	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.	1.5	15
108	Ionoregulatory Changes in the Gill Epithelia of Coho Salmon during Seawater Acclimation. <i>Physiological and Biochemical Zoology</i> , 2002, 75, 237-249.	1.5	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.	2.6	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.	1.8	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.	2.3	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.	1.8	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.	2.9	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.	2.2	12
116	Distribution of actin bundles in Bowman's capsule of rat kidney. <i>Tissue and Cell</i> , 1999, 31, 610-616.	2.2	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.	1.6	26
118	beta-Naphthoflavone abolishes interrenal sensitivity to ACTH stimulation in rainbow trout. <i>Journal of Endocrinology</i> , 1998, 157, 63-70.	2.6	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.	1.0	11
120	Immunolocalization of proton-ATPase in the gills of the elasmobranch, <i>Squalus acanthias</i> . , 1997, 278, 78-86.		33