Chris M Wood

List of Publications by Year
in descending order

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729 papers	32,393 citations	4370 86 h-index	16127 124 g-index
741 all docs	741 docs citations	741 times ranked	11609 citing authors

#	Article	IF	Citations
1	Biotic Ligand Model, a Flexible Tool for Developing Site-Specific Water Quality Guidelines for Metals. Environmental Science & Technology, 2004, 38, 6177-6192.	4.6	559
2	Acid-Base and ion Balance, Metabolism, and Their Interactions, After Exhaustive Exercise in Fish. Journal of Experimental Biology, 1991, 160, 285-308.	0.8	364
3	The biotic ligand model: a historical overview. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 3-35.	1.3	355
4	Why do fish die after severe exercise?. Journal of Fish Biology, 1983, 22, 189-201.	0.7	332
5	A new paradigm for ammonia excretion in aquatic animals: role of Rhesus(Rh) glycoproteins. Journal of Experimental Biology, 2009, 212, 2303-2312.	0.8	325
6	Effects of chronic sublethal exposure to waterborne Cu, Cd or Zn in rainbow trout. 1: Iono-regulatory disturbance and metabolic costs. Aquatic Toxicology, 2000, 50, 231-243.	1.9	290
7	Copper uptake across rainbow trout gills. Journal of Experimental Biology, 2002, 205, 1179-1188.	0.8	266
8	Urea excretion as a strategy for survival in a fish living in a very alkaline environment. Nature, 1989, 337, 165-166.	13.7	253
9	Toward a better understanding of the bioavailability, physiology, and toxicity of silver in fish: Implications for water quality criteria. Environmental Toxicology and Chemistry, 1998, 17, 547-561.	2.2	243
10	The Effects of Chronic Plasma Cortisol Elevation on the Feeding Behaviour, Growth, Competitive Ability, and Swimming Performance of Juvenile Rainbow Trout. Physiological and Biochemical Zoology, 1999, 72, 286-295.	0.6	226
11	Disturbances in Haematology, Fluid Volume Distribution and Circulatory Function Associated with Low Environmental pH in the Rainbow Trout,Salmo Gairdneri. Journal of Experimental Biology, 1982, 99, 397-415.	0.8	217
12	Oxidative stress response and gene expression with acute copper exposure in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 293, R1882-R1892.	0.9	204
13	Ammonia excretion in rainbow trout (Oncorhynchus mykiss): evidence for Rh glycoprotein and H⁺-ATPase involvement. Physiological Genomics, 2007, 31, 463-474.	1.0	202
14	Copper uptake across rainbow trout gills: mechanisms of apical entry. Journal of Experimental Biology, 2002, 205, 1179-88.	0.8	198
15	The mechanism of acute silver nitrate toxicity in freshwater rainbow trout (Oncorhynchus mykiss) is inhibition of gill Na+ and Clâˆ’1 transport. Aquatic Toxicology, 1997, 38, 145-163.	1.9	195
16	The use of Fish Cells in Ecotoxicology: The Report and Recommendations of ECVAM Workshop 47[,]. ATLA Alternatives To Laboratory Animals, 2003, 31, 317-351.	0.7	192
17	The physiology of waterborne silver toxicity in freshwater rainbow trout (Oncorhynchus mykiss) 1. The effects of ionic Ag+. Aquatic Toxicology, 1996, 35, 93-109.	1.9	189
18	Physiology and modeling of mechanisms of silver uptake and toxicity in fish. Environmental Toxicology and Chemistry, 1999, 18, 71-83.	2.2	187

#	Article	IF	Citations
19	Cadmium disrupts behavioural and physiological responses to alarm substance in juvenile rainbow trout (Oncorhynchus mykiss). Journal of Experimental Biology, 2003, 206, 1779-1790.	0.8	169
20	Mechanisms of ion and acid-base regulation at the gills of freshwater fish. The Journal of Experimental Zoology, 1992, 263, 143-159.	1.4	167
21	Utility of tissue residues for predicting effects of metals on aquatic organisms. Integrated Environmental Assessment and Management, 2011, 7, 75-98.	1.6	162
22	Control and coordination of gas transfer in fishes. Canadian Journal of Zoology, 1989, 67, 2961-2970.	0.4	160
23	Toxicity, silver accumulation and metallothionein induction in freshwater rainbow trout during exposure to different silver salts. Environmental Toxicology and Chemistry, 1996, 15, 1102-1108.	2.2	159
24	Mechanism of acute silver toxicity in Daphnia magna. Environmental Toxicology and Chemistry, 2003, 22, 1361-1367.	2.2	158
25	Ion Balance, Acid-Base Regulation, and Chloride Cell Function in the Common Killifish, Fundulus heteroclitus: A Euryhaline Estuarine Teleost. Estuaries and Coasts, 1994, 17, 34.	1.7	156
26	Effects of chronic sublethal exposure to waterborne Cu, Cd or Zn in rainbow trout 2: tissue specific metal accumulation. Aquatic Toxicology, 2000, 50, 245-256.	1.9	149
27	Ionoregulatory disruption as the acute toxic mechanism for lead in the rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology, 2003, 64, 215-234.	1.9	145
28	The effect of hypoxia on gill morphology and ionoregulatory status in the Lake Qinghai scaleless carp, Gymnocypris przewalskii. Journal of Experimental Biology, 2008, 211, 1063-1074.	0.8	142
29	Cadmium accumulation, gill Cd binding, acclimation, and physiological effects during long term sublethal Cd exposure in rainbow trout. Aquatic Toxicology, 1999, 46, 101-119.	1.9	141
30	Cu uptake and turnover in both Cu-acclimated and non-acclimated rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	135
31	Ammonia and urea dynamics in the Lake Magadi tilapia, a ureotelic teleost fish adapted to an extremely alkaline environment. Respiration Physiology, 1989, 77, 1-20.	2.8	133
32	Flux measurements as indices of H+ and metal effects on freshwater fish. Aquatic Toxicology, 1992, 22, 239-263.	1.9	133
33	Lactate and Proton Dynamics in the Rainbow Trout (Salmo Gairdneri). Journal of Experimental Biology, 1983, 104, 247-268.	0.8	130
34	Tissue-Specific Cadmium Accumulation, Metallothionein Induction, and Tissue Zinc and Copper Levels During Chronic Sublethal Cadmium Exposure in Juvenile Rainbow Trout. Archives of Environmental Contamination and Toxicology, 2001, 41, 468-474.	2.1	129
35	Copper metabolism in actively growing rainbow trout (Oncorhynchus mykiss): interactions between dietary and waterborne copper uptake. Journal of Experimental Biology, 2002, 205, 279-290.	0.8	129
36	Physiological effects of chronic copper exposure to rainbow trout (Oncorhynchus mykiss) in hard and soft water: Evaluation of chronic indicators. Environmental Toxicology and Chemistry, 2000, 19, 2298-2308.	2.2	123

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37	A Physiologically Based Biotic Ligand Model for Predicting the Acute Toxicity of Waterborne Silver to Rainbow Trout in Freshwaters. Environmental Science & Technology, 2000, 34, 4199-4207.	4.6	120
38	Gene expression after freshwater transfer in gills and opercular epithelia of killifish: insight into divergent mechanisms of ion transport. Journal of Experimental Biology, 2005, 208, 2719-2729.	0.8	120
39	Effects of chronic Cd exposure via the diet or water on internal organâ€specific distribution and subsequent gill Cd uptake kinetics in juvenile rainbow trout (Oncorhynchus mykiss). Environmental Toxicology and Chemistry, 2001, 20, 597-607.	2.2	117
40	A Critical Examination of the Physical and Adrenergic Factors Affecting Blood Flow Through the Gills of the Rainbow Trout. Journal of Experimental Biology, 1974, 60, 241-265.	0.8	117
41	Acute waterborne nickel toxicity in the rainbow trout (Oncorhynchus mykiss) occurs by a respiratory rather than ionoregulatory mechanism. Aquatic Toxicology, 2003, 63, 65-82.	1.9	116
42	Acid-Base and Ionic Exchanges at Gills and Kidney After Exhaustive Exercise in the Rainbow Trout. Journal of Experimental Biology, 1988, 136, 461-481.	0.8	115
43	Mechanisms of Acute and Chronic Waterborne Nickel Toxicity in the Freshwater Cladoceran,Daphnia magna. Environmental Science & Technology, 2003, 37, 4382-4389.	4.6	114
44	Ion Flux Rates, Acidâ€“Base Status, and Blood Gases in Rainbow Trout,Salmo gairdneri, Exposed to Toxic Zinc in Natural Soft Water. Canadian Journal of Fisheries and Aquatic Sciences, 1985, 42, 1332-1341.	0.7	112
45	Respiratory gas exchange, nitrogenous waste excretion, and fuel usage during starvation in juvenile rainbow trout, Oncorhynchus mykiss. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1996, 165, 542-551.	0.7	112
46	The cost of living for freshwater fish in a warmer, more polluted world. Global Change Biology, 2001, 7, 345-355.	4.2	112
47	Tissue-Specific Cadmium and Metallothionein Levels in Rainbow Trout Chronically Acclimated to Waterborne or Dietary Cadmium. Archives of Environmental Contamination and Toxicology, 2005, 48, 381-390.	2.1	112
48	Rhesus glycoprotein gene expression in the mangrove killifish Kryptolebias marmoratus exposed to elevated environmental ammonia levels and air. Journal of Experimental Biology, 2007, 210, 2419-2429.	0.8	112
49	Intraspecific divergence of ionoregulatory physiology in the euryhaline teleost Fundulus heteroclitus: possible mechanisms of freshwater adaptation. Journal of Experimental Biology, 2004, 207, 3399-3410.	0.8	111
50	CALCIUM/CADMIUM INTERACTIONS AT UPTAKE SURFACES IN RAINBOW TROUT: WATERBORNE VERSUS DIETARY ROUTES OF EXPOSURE. Environmental Toxicology and Chemistry, 2005, 24, 2954.	2.2	111
51	The adaptations of fish to extremely alkaline environments. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1996, 113, 665-673.	0.7	110
52	Alkaline tide and nitrogen conservation after feeding in an elasmobranch(Squalus acanthias). Journal of Experimental Biology, 2005, 208, 2693-2705.	0.8	109
53	The Influence of Experimental Anaemia On Blood Acid-Base Regulation In Vivo and In Vitro in the Starry Flounder (Platichthys Stellatus) and the Rainbow Trout (Salmo Gairdneri). Journal of Experimental Biology, 1982, 96, 221-237.	0.8	109
54	Acute Silver Toxicity in Aquatic Animals Is a Function of Sodium Uptake Rate. Environmental Science & Technology, 2002, 36, 1763-1766.	4.6	108

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55	Seven things fish know about ammonia and we donâ€™t. Respiratory Physiology and Neurobiology, 2012, 184, 231-240.	0.7	108
56	Characterization of branchial lead-calcium interaction in the freshwater rainbow trout Oncorhynchus mykiss. Journal of Experimental Biology, 2004, 207, 813-825.	0.8	107
57	The influence of swimming activity on water balance in the rainbow trout (Salmo gairdneri). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1973, 82, 257-276.	0.7	105
58	The two faces of DOC. Aquatic Toxicology, 2011, 105, 3-8.	1.9	105
59	Water chemistry changes in the gill micro-environment of rainbow trout: experimental observations and theory. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1989, 159, 527-537.	0.7	104
60	Canada's Species at Risk Act. Fisheries, 2005, 30, 11-19.	0.6	103
61	Blood acid-base regulation during environmental hyperoxia in the rainbow trout (Salmo gairdneri). Respiration Physiology, 1980, 42, 351-372.	2.8	102
62	The skin of fish as a transport epithelium: a review. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 877-891.	0.7	102
63	Nitrogenous Waste Excretion, Acid-Base Regulation, and Ionoregulation in Rainbow Trout (Oncorhynchus mykiss) Exposed to Extremely Alkaline Water. Physiological Zoology, 1991, 64, 1069-1086.	1.5	102
64	Niche Dimensions in Fishes: An Integrative View. Physiological and Biochemical Zoology, 2010, 83, 808-826.	0.6	100
65	Haemolymph gas transport, acid-base regulation, and anaerobic metabolism during exercise in the land crab (Cardisoma carnifex). The Journal of Experimental Zoology, 1981, 218, 23-35.	1.4	99
66	Metal uptake and acute toxicity in zebrafish: Common mechanisms across multiple metals. Aquatic Toxicology, 2011, 105, 385-393.	1.9	99
67	Oxidative stress parameters and antioxidant response to sublethal waterborne zinc in a euryhaline teleost Fundulus heteroclitus: Protective effects of salinity. Aquatic Toxicology, 2012, 110-111, 187-193.	1.9	99
68	The influence of temperature and anaemia on the adrenergic and cholinergic mechanisms controlling heart rate in the rainbow trout. Canadian Journal of Zoology, 1979, 57, 2440-2447.	0.4	97
69	Effects of chloride, calcium, and dissolved organic carbon on silver toxicity: Comparison between rainbow trout and fathead minnows. Environmental Toxicology and Chemistry, 1999, 18, 56-62.	2.2	96
70	The Function of the Urinary Bladder In Vivo in the Freshwater Rainbow Trout. Journal of Experimental Biology, 1991, 155, 567-583.	0.8	96
71	Individual variation and interrelationships between swimming performance, growth rate, and feeding in juvenile rainbow trout (Oncorhynchus mykiss). Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 1583-1590.	0.7	95
72	Rh glycoprotein expression is modulated in pufferfish (Takifugu rubripes) during high environmental ammonia exposure. Journal of Experimental Biology, 2010, 213, 3150-3160.	0.8	95

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73	Control of ventilation in the hypercapnic skate Raja ocellata: I. Blood and extradural fluid. Respiration Physiology, 1990, 80, 259-277.	2.8	94
74	Effects of altering freshwater chemistry on physiological responses of rainbow trout to silver exposure. Environmental Toxicology and Chemistry, 1999, 18, 49-55.	2.2	94
75	The influence of swimming activity on sodium balance in the rainbow trout (Salmo gairdneri). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1973, 82, 207-233.	0.7	93
76	Oxygen and carbon dioxide exchange during exercise in the land crab (Cardisoma carnifex). The Journal of Experimental Zoology, 1981, 218, 7-22.	1.4	93
77	Mechanistic analysis of acute, Ni-induced respiratory toxicity in the rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	93
78	The effect of postprandial changes in pH along the gastrointestinal tract on the distribution of ions between the solid and fluid phases of chyme in rainbow trout. Aquaculture Nutrition, 2009, 15, 282-296.	1.1	93
79	In situ measurement of coastal ocean movements and survival of juvenile Pacific salmon. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8708-8713.	3.3	93
80	The fallacy of thePcrit â€“ are there more useful alternatives?. Journal of Experimental Biology, 2018, 221, .	0.8	93
81	ATP-Dependent Silver Transport across the Basolateral Membrane of Rainbow Trout Gills. Toxicology and Applied Pharmacology, 1999, 159, 1-8.	1.3	91
82	Ammonia transport in cultured gill epithelium of freshwater rainbow trout: the importance of Rhesus glycoproteins and the presence of an apical Na+/NH4+ exchange complex. Journal of Experimental Biology, 2009, 212, 878-892.	0.8	91
83	Physiological Consequences of Severe Exercise in the Inactive Benthic Flathead Sole (Hippoglossoides Elassodon): a Comparison With the Active Pelagic Rainbow Trout (Salmo) Tj ETQq1 1 0.784314 rgBT /Over	0.8	91
84	Costs of chronic waterborne zinc exposure and the consequences of zinc acclimation on the gill/zinc interactions of rainbow trout in hard and soft water. Environmental Toxicology and Chemistry, 1999, 18, 1014-1025.	2.2	90
85	Bioavailability of silver and its relationship to ionoregulation and silver speciation across a range of salinities in the gulf toadfish (Opsanus beta). Aquatic Toxicology, 2004, 70, 137-157.	1.9	90
86	Tribute to R. G. Boutilier: The effect of size on the physiological and behavioural responses of oscar, Astronotus ocellatus, to hypoxia. Journal of Experimental Biology, 2006, 209, 1197-1205.	0.8	90
87	Mechanism of branchial apical silver uptake by rainbow trout is via the proton-coupled Na⁺channel. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R1385-R1391.	0.9	89
88	Effects of Chronic Waterborne and Dietary Metal Exposures on Gill Metal-Binding: Implications for the Biotic Ligand Model. Human and Ecological Risk Assessment (HERA), 2003, 9, 813-846.	1.7	89
89	Physicochemical and spectroscopic properties of natural organic matter (NOM) from various sources and implications for ameliorative effects on metal toxicity to aquatic biota. Aquatic Toxicology, 2011, 103, 179-190.	1.9	88
90	Cultured gill epithelia as models for the freshwater fish gill. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1566, 72-83.	1.4	87

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91	The alkaline tide and ammonia excretion after voluntary feeding in freshwater rainbow trout. Journal of Experimental Biology, 2008, 211, 2533-2541.	0.8	87
92	Copper metabolism in actively growing rainbow trout (Oncorhynchus mykiss): interactions between dietary and waterborne copper uptake. Journal of Experimental Biology, 2002, 205, 279-90.	0.8	87
93	The oxygen debt hypothesis in juvenile rainbow trout after exhaustive exercise. Respiration Physiology, 1991, 84, 245-259.	2.8	86
94	Urea and Water Permeability in Dogfish (Squalus acanthias) Gills. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 119, 117-123.	0.8	86
95	Physiological analysis of the stress response associated with acute silver nitrate exposure in freshwater rainbow trout (Oncorhynchus mykiss). Environmental Toxicology and Chemistry, 1998, 17, 579-588.	2.2	86
96	Diverse Strategies for Ion Regulation in Fish Collected from the Ionâ€Poor, Acidic Rio Negro. Physiological and Biochemical Zoology, 2002, 75, 37-47.	0.6	86
97	Evaluation of the effect of reactive sulfide on the acute toxicity of silver (I) to Daphnia magna. Part 2: Toxicity results. Environmental Toxicology and Chemistry, 2002, 21, 1294-1300.	2.2	86
98	Water dynamics in the digestive tract of the freshwater rainbow trout during the processing of a single meal. Journal of Experimental Biology, 2006, 209, 1883-1893.	0.8	86
99	Apparent H+ Excretion and CO2 Dynamics Accompanying Carapace Mineralization in the Blue Crab (Callinectes Sapidus) Following Moulting. Journal of Experimental Biology, 1985, 114, 181-196.	0.8	86
100	Control of ventilation in the hypercapnic skate Raja ocellata: II. Cerebrospinal fluid and intracellular pH in the brain and other tissues. Respiration Physiology, 1990, 80, 279-297.	2.8	85
101	Osmoregulation, ionoregulation and acidâ€“base regulation by the gastrointestinal tract after feeding in the elasmobranch (Squalus acanthias). Journal of Experimental Biology, 2007, 210, 1335-1349.	0.8	85
102	Physiological and molecular mechanisms of osmoregulatory plasticity in killifish after seawater transfer. Journal of Experimental Biology, 2008, 211, 2450-2459.	0.8	85
103	Renal Cu and Na excretion and hepatic Cu metabolism in both Cu acclimated and non acclimated rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology, 1998, 40, 275-291.	1.9	84
104	Substrate utilization during graded aerobic exercise in rainbow trout. Journal of Experimental Biology, 2002, 205, 2067-2077.	0.8	84
105	The mechanisms of acid-base and ionoregulation in the freshwater rainbow trout during environmental hyperoxia and subsequent normoxia. III. Branchial exchanges. Respiration Physiology, 1984, 55, 175-192.	2.8	83
106	Dogmas and controversies in the handling of nitrogenous wastes: The effect of feeding and fasting on the excretion of ammonia, urea and other nitrogenous waste products in rainbow trout. Journal of Experimental Biology, 2004, 207, 1993-2002.	0.8	83
107	Daphnia need to be gut-cleared too: the effect of exposure to and ingestion of metal-contaminated sediment on the gut-clearance patterns of D. magna. Aquatic Toxicology, 2005, 71, 143-154.	1.9	83
108	Characterization of ion and acid-base transport in the fresh water adapted mummichog (Fundulus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	82

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109	A protective effect of dietary calcium against acute waterborne cadmium uptake in rainbow trout. Aquatic Toxicology, 2004, 67, 57-73.	1.9	82
110	Effects of dietary calcium and cadmium on cadmium accumulation, calcium and cadmium uptake from the water, and their interactions in juvenile rainbow trout. Aquatic Toxicology, 2005, 72, 99-117.	1.9	82
111	Acute toxicity, accumulation and tissue distribution of copper in the blue crab Callinectes sapidus acclimated to different salinities: In vivo and in vitro studies. Aquatic Toxicology, 2011, 101, 88-99.	1.9	82
112	Physiological disturbances in rainbow trout (Salmo gairdneri) during acid and aluminum exposures in soft water of two calcium concentrations. Canadian Journal of Zoology, 1989, 67, 314-324.	0.4	81
113	Effects of prolonged copper exposure in the marine gulf toadfish (Opsanus beta) II: copper accumulation, drinking rate and Na+/K+-ATPase activity in osmoregulatory tissues. Aquatic Toxicology, 2004, 68, 263-275.	1.9	81
114	Functional characterization of Rhesus glycoproteins from an ammoniotelic teleost, the rainbow trout, using oocyte expression and SIET analysis. Journal of Experimental Biology, 2010, 213, 1049-1059.	0.8	81
115	The effects of acid and acid/aluminum exposure on circulating plasma cortisol levels and other blood parameters in the rainbow trout, Salmo gairdneri. Journal of Fish Biology, 1988, 32, 63-76.	0.7	80
116	Effects of Water pH and Calcium Concentration on Ion Balance in Fish of the Rio Negro, Amazon. Physiological Zoology, 1998, 71, 15-22.	1.5	80
117	Na+ and Clâ˜ Uptake Kinetics, Diffusive Effluxes and Acidic Equivalent Fluxes Across the Gills Of Rainbow Trout: I. Responses To Environmental Hyperoxia. Journal of Experimental Biology, 1990, 152, 521-547.	0.8	79
118	Metabolic Costs and Physiological Consequences of Acclimation to Aluminum in Juvenile Rainbow Trout (Oncorhynchus mykiss). 2: Gill Morphology, Swimming Performance, and Aerobic Scope. Canadian Journal of Fisheries and Aquatic Sciences, 1994, 51, 536-544.	0.7	78
119	Cadmium affects the social behaviour of rainbow trout, Oncorhynchus mykiss. Aquatic Toxicology, 2003, 65, 171-185.	1.9	78
120	Bicarbonate secretion plays a role in chloride and water absorption of the European flounder intestine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R936-R946.	0.9	78
121	Responses of an Amazonian Teleost, the Tambaqui (Colossoma macropomum), to Low pH in Extremely Soft Water. Physiological Zoology, 1998, 71, 658-670.	1.5	77
122	Toxicity of dissolved Cu, Zn, Ni and Cd to developing embryos of the blue mussel (Mytilus trossolus) and the protective effect of dissolved organic carbon. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 340-348.	1.3	77
123	The effect of water chemistry on the acute toxicity of nickel to the cladoceran Daphnia pulex and the development of a biotic ligand model. Aquatic Toxicology, 2009, 91, 221-228.	1.9	77
124	Physiological and molecular analysis of the interactive effects of feeding and high environmental ammonia on branchial ammonia excretion and Na+ uptake in freshwater rainbow trout. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 1191-1204.	0.7	77
125	Patterns of heart and scaphognathite activity in the crabCancer magister. The Journal of Experimental Zoology, 1977, 202, 33-43.	1.4	76
126	Protective effects of calcium against chronic waterborne cadmium exposure to juvenile rainbow trout. Environmental Toxicology and Chemistry, 2000, 19, 2725-2734.	2.2	76

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127	Branchial Ion and Acid-Base Transfer in Freshwater Teleost Fish: Environmental Hyperoxia as a Probe. Physiological Zoology, 1991, 64, 68-102.	1.5	75
128	Cortisol Effects on Aerobic and Anaerobic Metabolism, Nitrogen Excretion, and Wholeâ€Body Composition in Juvenile Rainbow Trout. Physiological and Biochemical Zoology, 2001, 74, 858-868.	0.6	75
129	Title is missing!. Fish Physiology and Biochemistry, 2001, 24, 81-95.	0.9	75
130	Kinetic analyses of waterborne Ca and Cd transport and their interactions in the gills of rainbow trout (Oncorhynchus mykiss) and yellow perch (Perca flavescens), two species differing greatly in acute waterborne Cd sensitivity. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2004, 174, 243-253.	0.7	75
131	Muscle as the Primary Site of Urea Cycle Enzyme Activity in an Alkaline Lake-adapted Tilapia, Oreochromis alcalicus grahami. Journal of Biological Chemistry, 1999, 274, 29858-29861.	1.6	74
132	Waterborne vs. dietary copper uptake in rainbow trout and the effects of previous waterborne copper exposure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R69-R78.	0.9	74
133	Protection by Natural Blackwater against Disturbances in Ion Fluxes Caused by Low pH Exposure in Freshwater Stingrays Endemic to the Rio Negro. Physiological and Biochemical Zoology, 2003, 76, 12-27.	0.6	73
134	A Matter of Potential Concern: Natural Organic Matter Alters the Electrical Properties of Fish Gills. Environmental Science & Technology, 2008, 42, 9385-9390.	4.6	73
135	A pharmacological analysis of the adrenergic and cholinergic mechanisms regulating branchial vascular resistance in the rainbow trout (Salmo gairdneri). Canadian Journal of Zoology, 1975, 53, 1569-1577.	0.4	72
136	Ion and acidâ€“base regulation in the freshwater mummichog (Fundulus heteroclitus): a departure from the standard model for freshwater teleosts. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1999, 122, 445-456.	0.8	71
137	The Dogfish Shark (Squalus acanthias) Increases both Hepatic and Extrahepatic Ornithine Urea Cycle Enzyme Activities for Nitrogen Conservation after Feeding. Physiological and Biochemical Zoology, 2006, 79, 602-613.	0.6	71
138	Plasticity of osmoregulatory function in the killifish intestine:drinking rates, salt and water transport, and gene expression after freshwater transfer. Journal of Experimental Biology, 2006, 209, 4040-4050.	0.8	71
139	In vitro analysis of the bioavailability of six metals via the gastro-intestinal tract of the rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology, 2007, 83, 10-23.	1.9	71
140	Mortality, bioaccumulation and physiological responses in juvenile freshwater mussels (Lampsilis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	71
141	Effects of prolonged copper exposure in the marine gulf toadfish (Opsanus beta). Aquatic Toxicology, 2004, 68, 249-262.	1.9	70
142	Differential responses in ammonia excretion, sodium fluxes and gill permeability explain different sensitivities to acute high environmental ammonia in three freshwater teleosts. Aquatic Toxicology, 2013, 126, 63-76.	1.9	70
143	Physiological Responses to Acid Stress in Crayfish (Orconectes): Haemolymph Ions, Acidâ€“Base Status, and Exchanges with the Environment. Canadian Journal of Fisheries and Aquatic Sciences, 1986, 43, 1017-1026.	0.7	69
144	Influence of feeding, exercise, and temperature on nitrogen metabolism and excretion. Fish Physiology, 2001, , 201-238.	0.2	69

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145	The chronic effects of dietary lead in freshwater juvenile rainbow trout (Oncorhynchus mykiss) fed elevated calcium diets. Aquatic Toxicology, 2006, 78, 217-232.	1.9	69
146	Characterization of a branchial epithelial calcium channel (ECaC) in freshwater rainbow trout (Oncorhynchus mykiss). Journal of Experimental Biology, 2006, 209, 1928-1943.	0.8	69
147	EFFECTS OF CHRONIC WATERBORNE NICKEL EXPOSURE ON TWO SUCCESSIVE GENERATIONS OF DAPHNIA MAGNA. Environmental Toxicology and Chemistry, 2004, 23, 1051.	2.2	68
148	The mechanisms of acid-base and ionoregulation in the freshwater rainbow trout during environmental hyperoxia and subsequent normoxia. II. The role of the kidney. Respiration Physiology, 1984, 55, 155-173.	2.8	67
149	The analysis of metabolites in rainbow trout white muscle: a comparison of different sampling and processing methods. Journal of Fish Biology, 1994, 45, 855-873.	0.7	67
150	Procedures for the preparation and culture of 'reconstructed' rainbow trout branchial epithelia. Cytotechnology, 2000, 22, 153-163.	0.7	67
151	The influence of feeding and fasting on plasma metabolites in the dogfish shark (Squalus acanthias). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 155, 435-444.	0.8	67
152	Metal Bioavailability Models: Current Status, Lessons Learned, Considerations for Regulatory Use, and the Path Forward. Environmental Toxicology and Chemistry, 2020, 39, 60-84.	2.2	67
153	Respiratory Gas Exchange in the Resting Starry Flounder, Platichthys Stellatus: A Comparison With Other Teleosts. Journal of Experimental Biology, 1979, 78, 167-179.	0.8	67
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