

# Chris M Wood

## List of Publications by Year in descending order

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732  
papers

32,393  
citations

4388

86  
h-index

16180

124  
g-index

741  
all docs

741  
docs citations

741  
times ranked

11609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-prandial respiratory gas and acid-base profiles in the gastrointestinal tract and its venous drainage in freshwater rainbow trout ( <i>Oncorhynchus mykiss</i> ) and seawater English sole ( <i>Parophrys</i> ) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	4
2	A novel K <sup>+</sup> -dependent Na <sup>+</sup> uptake mechanism during low pH exposure in adult zebrafish ( <i>Danio rerio</i> ): New tricks for old dogma. <i>Acta Physiologica</i> , 2022, 234, e13777.	3.8	13
3	<i>Arapaima gigas</i> maintains gas exchange separation in severe aquatic hypoxia but does not suffer branchial oxygen loss. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	5
4	The osmorepiratory compromise in marine flatfish: differential effects of temperature, salinity, and hypoxia on diffusive water flux and oxygen consumption of English sole ( <i>Parophrys vetulus</i> ) and Pacific sanddab ( <i>Citharichthys sordidus</i> ). <i>Marine Biology</i> , 2022, 169, 1.	1.5	3
5	Breathing versus feeding in the Pacific hagfish. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	1
6	Exosomal DEK removes chemoradiotherapy resistance by triggering quiescence exit of breast cancer stem cells. <i>Oncogene</i> , 2022, 41, 2624-2637.	5.9	8
7	Transepithelial potential remains indicative of major ion toxicity in rainbow trout ( <i>Oncorhynchus</i> ) Tj ETQq1 1 0.784314 rgBT /Overloc	4.0	6
8	Global change and physiological challenges for fish of the Amazon today and in the near future. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	2
9	Exercise and emersion in air, and recovery in seawater in the green crab ( <i>Carcinus maenas</i> ): metabolic, acid-base, cardio-ventilatory and ionoregulatory responses. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	8
10	Investigating the mechanisms of dissolved organic matter protection against copper toxicity in fish of Amazon's black waters. <i>Science of the Total Environment</i> , 2022, 843, 157032.	8.0	4
11	Influence of environmentally relevant concentrations of Zn, Cd and Ni and their binary mixtures on metal uptake, bioaccumulation and development in larvae of the purple sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Aquatic Toxicology</i> , 2021, 230, 105709.	4.0	7
12	An in vitro study of urea and ammonia production and transport by the intestinal tract of fed and fasted rainbow trout: responses to luminal glutamine and ammonia loading. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 273-287.	1.5	7
13	Understanding ventilation and oxygen uptake of Pacific hagfish ( <i>Eptatretus stoutii</i> ), with particular emphasis on responses to ammonia and interactions with other respiratory gases. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 255-271.	1.5	3
14	Brain and gills as internal and external ammonia sensing organs for ventilatory control in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2021, 254, 110896.	1.8	5
15	The osmorepiratory compromise in the fish gill. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2021, 254, 110895.	1.8	44
16	Ion Transporters and Osmoregulation in the Kidney of Teleost Fishes as a Function of Salinity. <i>Frontiers in Physiology</i> , 2021, 12, 664588.	2.8	55
17	The physiology of fish in acidic waters rich in dissolved organic carbon, with specific reference to the Amazon basin: Ionoregulation, acid-base regulation, ammonia excretion, and metal toxicity. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2021, 335, 843-863.	1.9	13
18	Trans-epithelial potential (TEP) response as an indicator of major ion toxicity in rainbow trout and goldfish exposed to 10 different salts in ion-poor water. <i>Environmental Pollution</i> , 2021, 276, 116699.	7.5	5

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19	The effects of dissolved organic carbon on the reflex ventilatory responses of the neotropical teleost ( <i>Colossoma macropomum</i> ) to hypoxia or hypercapnia. <i>Chemosphere</i> , 2021, 277, 130314.	8.2	2
20	Interplay of oxygen and light in the photo-oxidation of dissolved organic carbon. <i>Water Research</i> , 2021, 201, 117332.	11.3	10
21	Physicochemical properties of the dissolved organic carbon can lead to different physiological responses of zebrafish ( <i>Danio rerio</i> ) under neutral and acidic conditions. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2021, 335, 864-878.	1.9	3
22	The effect of marine dissolved organic carbon on nickel accumulation in early life-stages of the sea urchin, <i>Strongylocentrotus purpuratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 250, 109150.	2.6	0
23	Is ammonia excretion affected by gill ventilation in the rainbow trout <i>Oncorhynchus mykiss</i> ?. <i>Respiratory Physiology and Neurobiology</i> , 2020, 275, 103385.	1.6	15
24	Metal Bioavailability Models: Current Status, Lessons Learned, Considerations for Regulatory Use, and the Path Forward. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 60-84.	4.3	67
25	Dichloroacetate reveals the presence of metabolic inertia at the start of exercise in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Experimental Biology</i> , 2020, 233, 100000.	1.6	1
26	Interactive effects of temperature and hypoxia on diffusive water flux and oxygen uptake rate in the tidepool sculpin, <i>Oligocottus maculosus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2020, 250, 110781.	1.8	8
27	The potential for salt toxicity: Can the trans-epithelial potential (TEP) across the gills serve as a metric for major ion toxicity in fish?. <i>Aquatic Toxicology</i> , 2020, 226, 105568.	4.0	10
28	The effects of digesting a urea-rich meal on North Pacific spiny dogfish ( <i>Squalus acanthias suckleyi</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2020, 249, 110775.	1.8	7
29	Cellular oxygen consumption, ROS production and ROS defense in two different size-classes of an Amazonian obligate air-breathing fish ( <i>Arapaima gigas</i> ). <i>PLoS ONE</i> , 2020, 15, e0236507.	2.5	9
30	The gaseous gastrointestinal tract of a seawater teleost, the English sole ( <i>Parophrys vetulus</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2020, 247, 110743.	1.8	5
31	A potential role for hyperpolarization-activated cyclic nucleotide-gated sodium/potassium channels (HCN <sub>s</sub> ) in teleost acid-base and ammonia regulation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 248-249, 110469.	1.6	3
32	Gills versus kidney for ionoregulation in the obligate air-breathing <i>Arapaima gigas</i> , a fish with a kidney in its air-breathing organ. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	7
33	Osmorespiratory Compromise in Zebrafish ( <i>Danio rerio</i> ): Effects of Hypoxia and Acute Thermal Stress on Oxygen Consumption, Diffusive Water Flux, and Sodium Net Loss Rates. <i>Zebrafish</i> , 2020, 17, 400-411.	1.1	7
34	Effects of natural light and depth on rates of photo-oxidation of dissolved organic carbon in a major black-water river, the Rio Negro, Brazil. <i>Science of the Total Environment</i> , 2020, 733, 139193.	8.0	9
35	Ionoregulatory aspects of the hypoxia-induced osmorespiratory 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
36	Ion-regulation, acid/base-balance, kidney function, and effects of hypoxia in coho salmon, <i>Oncorhynchus kisutch</i> , after long-term acclimation to different salinities. <i>Aquaculture</i> , 2020, 528, 735571.	3.5	15

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37	A Mystery Tale: Nickel Is Fickle When Snails Fail—Investigating the Variability in Ni Toxicity to the Great Pond Snail. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 983-997.	2.9	6
38	Is aquaporin-3 involved in water permeability changes in the killifish during hypoxia and normoxic recovery, in freshwater or seawater?. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2020, 333, 511-525.	1.9	10
39	Gills and air-breathing organ in O <sub>2</sub> uptake, CO <sub>2</sub> excretion, N-waste excretion, and ionoregulation in small and large pirarucu ( <i>Arapaima gigas</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 569-583.	1.5	18
40	Understanding the gastrointestinal physiology and responses to feeding in air-breathing Anabantiform fishes. <i>Journal of Fish Biology</i> , 2020, 96, 986-1003.	1.6	8
41	Effects of copper on a reconstructed freshwater rainbow trout gill epithelium: Paracellular and intracellular aspects. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 230, 108705.	2.6	2
42	Reverse translation: effects of acclimation temperature and acute temperature challenges on oxygen consumption, diffusive water flux, net sodium loss rates, Q <sub>10</sub> values and mass scaling coefficients in the rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 205-217.	1.5	10
43	A less invasive system for the direct measurement of ventilation in fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 1870-1877.	1.4	3
44	Metabolic fuel use after feeding in the zebrafish ( <i>Danio rerio</i> ): a respirometric analysis. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	15
45	Nitrogen handling in the elasmobranch gut: a role for microbial urease. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	11
46	Using the Biotic Ligand Model framework to investigate binary metal interactions on the uptake of Ag, Cd, Cu, Ni, Pb and Zn in the freshwater snail <i>Lymnaea stagnalis</i> . <i>Science of the Total Environment</i> , 2019, 647, 1611-1625.	8.0	23
47	Pulsatile urea excretion in Gulf toadfish: the role of circulating serotonin and additional 5-HT receptor subtypes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 537-548.	1.5	2
48	Sizes, condition factors and sex ratios of the scattered populations of the small cichlid fish, <i>Alcolapia grahami</i> , that inhabits the lagoons and sites of Lake Magadi (Kenya), one of the most extreme aquatic habitat on Earth. <i>Environmental Biology of Fishes</i> , 2019, 102, 1265-1280.	1.0	5
49	The internal CO <sub>2</sub> threat to fish: high P <sub>CO<sub>2</sub></sub> in the digestive tract. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190832.	2.6	7
50	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
51	Acute exposure to the water-soluble fraction of gasoline (WSFG) affects oxygen consumption, nitrogenous-waste and Mg excretion, and activates anaerobic metabolism in the goldfish <i>Carassius auratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 226, 108590.	2.6	2
52	Fasting in the ureotelic Lake Magadi tilapia, <i>Alcolapia grahami</i> , does not reduce its high metabolic demand, increasing its vulnerability to siltation events. , 2019, 7, 060.		3
53	Effects of sublethal Cd, Zn, and mixture exposures on antioxidant defense and oxidative stress parameters in early life stages of the purple sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Aquatic Toxicology</i> , 2019, 217, 105338.	4.0	11
54	The Effects of Natural Suspended Solids on Copper Toxicity to the Cardinal Tetra in Amazonian River Waters. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2708-2718.	4.3	8

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55	An in vitro analysis of intestinal ammonia transport in fasted and fed freshwater rainbow trout: roles of NKCC, K <sup>+</sup> channels, and Na <sup>+</sup> , K <sup>+</sup> ATPase. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 549-566.	1.5	13
56	Section-specific H <sup>+</sup> fluxes in renal tubules of fasted and fed goldfish. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	5
57	Novel Concepts for Novel Entities: Updating Ecotoxicology for a Sustainable Anthropocene. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4680-4682.	10.0	15
58	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 &amp; Integrative Physiology</i> , 2019, 232, 47-59.	1.8	15
59	Does dissolved organic carbon from Amazon black water (Brazil) help a native species, the <i>tambaqui</i> <i>Colossoma macropomum</i> to maintain ionic homeostasis in acidic water?. <i>Journal of Fish Biology</i> , 2019, 94, 595-605.	1.6	9
60	Ventilatory sensitivity to ammonia in the Pacific hagfish ( <i>Eptatretus stoutii</i> ), a representative of the oldest extant connection to the ancestral vertebrates. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	8
61	The osmorepiratory compromise in the euryhaline killifish: water regulation during hypoxia. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	11
62	Internal spatial and temporal CO <sub>2</sub> dynamics: Fasting, feeding, drinking, and the alkaline tide. <i>Fish Physiology</i> , 2019, , 245-286.	0.8	12
63	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
64	Mechanisms of Ca <sup>2+</sup> uptake in freshwater and seawater-acclimated killifish, <i>Fundulus heteroclitus</i> , and their response to acute salinity transfer. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 47-60.	1.5	17
65	Ion Regulation, Acid/Base Balance and Gas Exchange Interactions in Salmon Across Salinities. <i>FASEB Journal</i> , 2019, 33, 728.2.	0.5	0
66	The osmorepiratory compromise in rainbow trout ( <i>Oncorhynchus mykiss</i> ): The effects of fish size, hypoxia, temperature and strenuous exercise on gill diffusive water fluxes and sodium net loss rates. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2018, 219-220, 10-18.	1.8	48
67	Dissolved organic matter signatures vary between naturally acidic, circumneutral and groundwater-fed freshwaters in Australia. <i>Water Research</i> , 2018, 137, 184-192.	11.3	43
68	Chronic Toxicity of Binary Mixtures of Six Metals (Ag, Cd, Cu, Ni, Pb, and Zn) to the Great Pond Snail <i>Lymnaea stagnalis</i> . <i>Environmental Science &amp; Technology</i> , 2018, 52, 5979-5988.	10.0	54
69	The effects of high environmental ammonia on the structure of rainbow trout hierarchies and the physiology of the individuals therein. <i>Aquatic Toxicology</i> , 2018, 195, 77-87.	4.0	9
70	Physiological effects of marine natural organic matter and metals in early life stages of the North Pacific native marine mussel <i>Mytilus trossulus</i> ; a comparison with the invasive <i>Mytilus galloprovincialis</i> . <i>Marine Environmental Research</i> , 2018, 135, 136-144.	2.5	4
71	Air-breathing behavior, oxygen concentrations, and ROS defense in the swimbladders of two erythrinid fish, the facultative air-breathing jeju, and the non-air-breathing traira during normoxia, hypoxia and hyperoxia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 437-449.	1.5	19
72	Physiological impacts and bioaccumulation of dietary Cu and Cd in a model teleost: The Amazonian tambaqui ( <i>Colossoma macropomum</i> ). <i>Aquatic Toxicology</i> , 2018, 199, 30-45.	4.0	10

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73	The physiology of the Tambaqui ( <i>Colossoma macropomum</i> ) at pH 8.0. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 393-408.	1.5	29
74	Copper uptake, patterns of bioaccumulation, and effects in glochidia (larvae) of the freshwater mussel ( <i>Lampsilis cardium</i> ). <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1092-1103.	4.3	8
75	The ventilation mechanism of the Pacific hagfish <i>Eptatretus stoutii</i> . <i>Journal of Fish Biology</i> , 2018, 94, 261-276.	1.6	9
76	The fallacy of the <i>P</i> crit “are there more useful alternatives?”. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	93
77	Ionoregulatory and oxidative stress issues associated with the evolution of air-breathing. <i>Acta Histochemica</i> , 2018, 120, 667-679.	1.8	15
78	Pharmacological evidence that DAPI inhibits NHE2 in <i>Fundulus heteroclitus</i> acclimated to freshwater. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 211, 1-6.	2.6	3
79	Physiological protective action of dissolved organic carbon on ion regulation and nitrogenous waste excretion of zebrafish ( <i>Danio rerio</i> ) exposed to low pH in ion-poor water. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 793-807.	1.5	12
80	External validation of a predictive model of survival after cytoreductive nephrectomy for metastatic renal cell carcinoma. <i>World Journal of Urology</i> , 2018, 36, 1973-1980.	2.2	10
81	Section-specific expression of acid-base and ammonia transporters in the kidney tubules of the goldfish <i>Carassius auratus</i> and their responses to feeding. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1565-F1582.	2.7	14
82	Does hypoxia or different rates of re-oxygenation after hypoxia induce an oxidative stress response in <i>Cyphocharax abramoides</i> (Kner 1858), a Characid fish of the Rio Negro?. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2018, 224, 53-67.	1.8	34
83	The role of dissolved organic carbon concentration and composition on nickel toxicity to early life-stages of the blue mussel <i>Mytilus edulis</i> and purple sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 162-170.	6.0	16
84	Different mechanisms of Na <sup>+</sup> 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.	1.7	16
85	Are Amazonian fish more sensitive to ammonia? Toxicity of ammonia to eleven native species. <i>Hydrobiologia</i> , 2017, 789, 143-155.	2.0	37
86	Photo-oxidation processes, properties of DOC, reactive oxygen species (ROS), and their potential impacts on native biota and carbon cycling in the Rio Negro (Amazonia, Brazil). <i>Hydrobiologia</i> , 2017, 789, 7-29.	2.0	20
87	Measuring Biotic Ligand Model (BLM) Parameters in Vitro: Copper and Silver Binding to Rainbow Trout Gill Cells as Cultured Epithelia or in Suspension. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1733-1741.	10.0	4
88	Nickel toxicity to cardinal tetra ( <i>Paracheirodon axelrodi</i> ) differs seasonally and among the black, white and clear river waters of the Amazon basin. <i>Water Research</i> , 2017, 123, 21-29.	11.3	29
89	The Effects of Acute Copper and Ammonia Challenges on Ammonia and Urea Excretion by the Blue Crab <i>Callinectes sapidus</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 72, 461-470.	4.1	6
90	Effect of environmental salinity manipulation on uptake rates and distribution patterns of waterborne amino acids in the Pacific hagfish. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 204, 164-168.	1.8	5

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91	Characterization of the effects of binary metal mixtures on short-term uptake of Cd, Pb, and Zn by rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquatic Toxicology</i> , 2017, 193, 217-227.	4.0	14
92	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
93	Experimentally derived acute and chronic copper Biotic Ligand Models for rainbow trout. <i>Aquatic Toxicology</i> , 2017, 192, 224-240.	4.0	20
94	Ammonia and urea handling by early life stages of fishes. <i>Journal of Experimental Biology</i> , 2017, 220, 3843-3855.	1.7	52
95	Drinking and water permeability in the Pacific hagfish, <i>Eptatretus stoutii</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 1127-1135.	1.5	9
96	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.	1.5	31
97	Acute exposure to high environmental ammonia (HEA) triggers the emersion response in the green shore crab. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 204, 65-75.	1.8	13
98	Toxic responses of the gill. , 2017, , 1-89.		9
99	Physiological effects of five different marine natural organic matters (NOMs) and three different metals (Cu, Pb, Zn) on early life stages of the blue mussel ( <i>Mytilus galloprovincialis</i> ). <i>PeerJ</i> , 2017, 5, e3141.	2.0	13
100	<i>In vitro</i> effects of increased temperature and decreased $pH$ on blood oxygen affinity of 10 fish species of the Amazon. <i>Journal of Fish Biology</i> , 2016, 89, 264-279.	1.6	9
101	Metabolism and antioxidant defense in the larval chironomid <i>Tanytarsus minutipalpus</i> : Adjustments to diel variations in the extreme conditions of Lake Magadi. <i>Biology Open</i> , 2016, 6, 83-91.	1.2	7
102	Feeding through your gills and turning a toxicant into a resource: how the dogfish shark scavenges ammonia from its environment. <i>Journal of Experimental Biology</i> , 2016, 219, 3218-3226.	1.7	15
103	Dissolved organic carbon from the upper Rio Negro protects zebrafish ( <i>Danio rerio</i> ) against ionoregulatory disturbances caused by low pH exposure. <i>Scientific Reports</i> , 2016, 6, 20377.	3.3	40
104	Salinity-dependent nickel accumulation and effects on respiration, ion regulation and oxidative stress in the galaxiid fish, <i>Galaxias maculatus</i> . <i>Environmental Pollution</i> , 2016, 214, 132-141.	7.5	18
105	Iron transport across the skin and gut epithelia of Pacific hagfish: Kinetic characterisation and effect of hypoxia. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 199, 1-7.	1.8	16
106	Fish Populations in East African Saline Lakes. , 2016, , 227-257.		9
107	Interactions of waterborne and dietborne Pb in rainbow trout, <i>Oncorhynchus mykiss</i> : Bioaccumulation, physiological responses, and chronic toxicity. <i>Aquatic Toxicology</i> , 2016, 177, 343-354.	4.0	20
108	It's all in the gills: Evaluation of O <sub>2</sub> uptake in Pacific hagfish refutes a major respiratory role for the skin. <i>Journal of Experimental Biology</i> , 2016, 219, 2814-2818.	1.7	16

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109	Effects of salinity on short-term waterborne zinc uptake, accumulation and sub-lethal toxicity in the green shore crab ( <i>Carcinus maenas</i> ). <i>Aquatic Toxicology</i> , 2016, 178, 132-140.	4.0	12
110	Determining the functional role of waterborne amino acid uptake in hagfish nutrition: a constitutive pathway when fasting or a supplementary pathway when feeding?. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 843-853.	1.5	5
111	Characterization of the effects of binary metal mixtures on short-term uptake of Ag, Cu, and Ni by rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquatic Toxicology</i> , 2016, 180, 236-246.	4.0	20
112	(Uncommon) Mechanisms of Branchial Ammonia Excretion in the Common Carp ( <i>Cyprinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Zoology, 2016, 89, 26-40.	1.5	17
113	Investigating copper toxicity in the tropical fish cardinal tetra ( <i>Paracheirodon axelrodi</i> ) in natural Amazonian waters: Measurements, modeling, and reality. <i>Aquatic Toxicology</i> , 2016, 180, 353-363.	4.0	30
114	Mammalian metabolic rates in the hottest fish on earth. <i>Scientific Reports</i> , 2016, 6, 26990.	3.3	22
115	The transition from water-breathing to air-breathing is associated with a shift in ion uptake from gills to gut: a study of two closely related erythrinid teleosts, <i>Hoplerythrinus unitaeniatus</i> and <i>Hoplias malabaricus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 431-445.	1.5	20
116	The influence of dissolved organic matter (DOM) on sodium regulation and nitrogenous waste excretion in the zebrafish ( <i>Danio rerio</i> ). <i>Journal of Experimental Biology</i> , 2016, 219, 2289-99.	1.7	12
117	Physiological and molecular ontogeny of branchial and extra-branchial urea excretion in posthatch rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R305-R312.	1.8	4
118	Revisiting the mechanisms of copper toxicity to rainbow trout: Time course, influence of calcium, unidirectional Na <sup>+</sup> fluxes, and branchial Na <sup>+</sup> , K <sup>+</sup> ATPase and V-type H <sup>+</sup> ATPase activities. <i>Aquatic Toxicology</i> , 2016, 177, 51-62.	4.0	27
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120	Influence of dissolved organic matter (DOM) source on copper speciation and toxicity to <i>Brachionus plicatilis</i> . <i>Environmental Chemistry</i> , 2016, 13, 496.	1.5	14
121	Procedures for the reconstruction, primary culture and experimental use of rainbow trout gill epithelia. <i>Nature Protocols</i> , 2016, 11, 490-498.	12.0	28
122	Investigating the mechanisms of Ni uptake and sub-lethal toxicity in the Atlantic killifish <i>Fundulus heteroclitus</i> in relation to salinity. <i>Environmental Pollution</i> , 2016, 211, 370-381.	7.5	16
123	Pink sea fans ( <i>Eunicella verrucosa</i> ) as indicators of the spatial efficacy of Marine Protected Areas in southwest UK coastal waters. <i>Marine Policy</i> , 2016, 64, 38-45.	3.2	22
124	Mechanisms of Nickel Toxicity in the Highly Sensitive Embryos of the Sea Urchin <i>Evechinus chloroticus</i> , and the Modifying Effects of Natural Organic Matter. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1595-1603.	10.0	26
125	Postcopulatory consequences of female mate choice in a fish with alternative reproductive tactics. <i>Behavioral Ecology</i> , 2016, 27, 312-320.	2.2	18
126	Regulation of Ions, Acid-Base, and Nitrogenous Wastes in Elasmobranchs. <i>Fish Physiology</i> , 2015, 34, 279-345.	0.8	6



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127	Oxidative stress and metabolic responses to copper in freshwater- and seawater-acclimated killifish, <i>Fundulus heteroclitus</i> . <i>Aquatic Toxicology</i> , 2015, 161, 242-252.	4.0	39
128	Physiological and molecular responses of the goldfish kidney ( <i>Carassius auratus</i> ) to metabolic acidosis, and potential mechanisms of renal ammonia transport. <i>Journal of Experimental Biology</i> , 2015, 218, 2124-35.	1.7	19
129	Novel Route of Toxicant Exposure in an Ancient Extant Vertebrate: Nickel Uptake by Hagfish Skin and the Modifying Effects of Slime. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1896-1902.	10.0	16
130	Intestinal ammonia transport in freshwater and seawater acclimated rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Experimental Biology</i> , 2015, 218, 1467-70.	1.8	6
131	Physiological and molecular responses of the spiny dogfish shark ( <i>Squalus acanthias</i> ) to high environmental ammonia: scavenging for nitrogen. <i>Journal of Experimental Biology</i> , 2015, 218, 238-248.	1.7	26
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134	Low salinity enhances NI-mediated oxidative stress and sub-lethal toxicity to the green shore crab ( <i>Carcinus maenas</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 159-170.	6.0	24
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137	Gill paracellular permeability and the osmorespiratory compromise during exercise in the hypoxia-tolerant Amazonian oscar ( <i>Astronotus ocellatus</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2015, 185, 741-754.	1.5	18
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143	Effects of sodium chloride exposure on ion regulation in larvae (glochidia) of the freshwater mussel <i>Lampsilis fasciola</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 477-482.	6.0	9
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146	Does ammonia trigger hyperventilation in the elasmobranch, <i>Squalus acanthias suckleyi</i> ?. <i>Respiratory Physiology and Neurobiology</i> , 2015, 206, 25-35.	1.6	12
147	Exposure to Acute Severe Hypoxia Leads to Increased Urea Loss and Disruptions in Acid-Base and Ionoregulatory Balance in Dogfish Sharks ( <i>Squalus acanthias</i> ). <i>Physiological and Biochemical Zoology</i> , 2014, 87, 623-639.	1.5	10
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149	What is the primary function of the early teleost gill? Evidence for Na <sup>+</sup> /NH <sub>4</sub> <sup>+</sup> exchange in developing rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141422.	2.6	21
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156	Measuring gill paracellular permeability with polyethelene glycol-4000 in freely swimming trout: proof of principle. <i>Journal of Experimental Biology</i> , 2014, 217, 1425-9.	1.7	11
157	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.	1.7	14
158	Sublethal mechanisms of Pb and Zn toxicity to the purple sea urchin ( <i>Strongylocentrotus</i> ). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 222-229.	4.0	29
159	Mechanisms of Na <sup>+</sup> uptake, ammonia excretion, and their potential linkage in native Rio Negro tetras ( <i>Paracheirodon axelrodi</i> , <i>Hemigrammus rhodostomus</i> , and <i>Moenkhausia diktyota</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 877-890.	1.5	34
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161	Zinc bioaccumulation and ionoregulatory impacts in <i>Fundulus heteroclitus</i> exposed to sublethal waterborne zinc at different salinities. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 166, 96-104.	2.6	15
162	The Effects of Copper and Nickel on the Embryonic Life Stages of the Purple Sea Urchin ( <i>Strongylocentrotus purpuratus</i> ). <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 67, 453-464.	4.1	21

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164	Critical body residues, Michaelis-Menten analysis of bioaccumulation, lethality and behaviour as endpoints of waterborne Ni toxicity in two teleosts. <i>Ecotoxicology</i> , 2014, 23, 147-162.	2.4	19
165	Chronic nickel bioaccumulation and sub-cellular fractionation in two freshwater teleosts, the round goby and the rainbow trout, exposed simultaneously to waterborne and dietborne nickel. <i>Aquatic Toxicology</i> , 2014, 154, 141-153.	4.0	20
166	Reproductive impacts and physiological adaptations of zebrafish to elevated dietary nickel. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 165, 67-75.	2.6	9
167	Gastro-intestinal transport of calcium and cadmium in fresh water and seawater acclimated trout ( <i>Oncorhynchus mykiss</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 157, 236-250.	2.6	6
168	The skin of fish as a transport epithelium: a review. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 877-891.	1.5	102
169	The physiology of rainbow trout in social hierarchies: two ways of looking at the same data. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 787-799.	1.5	21
170	Navigation disturbance and its impact on fish assemblage in the East Tiaoxi River, China. <i>Landscape and Ecological Engineering</i> , 2013, 9, 289-298.	1.5	4
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172	Morphological evaluation of spermatogenesis in Lake Magadi tilapia ( <i>Alcolapia grahami</i> ): A fish living on the edge. <i>Tissue and Cell</i> , 2013, 45, 371-382.	2.2	17
173	Acute toxicity, critical body residues, Michaelis-Menten analysis of bioaccumulation, and ionoregulatory disturbance in response to waterborne nickel in four invertebrates: <i>Chironomus riparius</i> , <i>Lymnaea stagnalis</i> , <i>Lumbriculus variegatus</i> and <i>Daphnia pulex</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 158, 10-21.	2.6	27
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175	Isolation and fractionation of gill cells from freshwater ( <i>Lasmigona costata</i> ) and seawater ( <i>Mesodesma mactroides</i> ) bivalves for use in toxicological studies with copper. <i>Cytotechnology</i> , 2013, 65, 773-783.	1.6	25
176	Characterization of freshwater natural dissolved organic matter (DOM): Mechanistic explanations for protective effects against metal toxicity and direct effects on organisms. <i>Environment International</i> , 2013, 59, 201-207.	10.0	65
177	The effect of dissolved organic matter (DOM) on sodium transport and nitrogenous waste excretion of the freshwater cladoceran ( <i>Daphnia magna</i> ) at circumneutral and low pH. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 158, 207-215.	2.6	13
178	Measuring titratable alkalinity by single versus double endpoint titration: An evaluation in two cyprinodont species and implications for characterizing net H <sup>+</sup> flux in aquatic organisms. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 164, 221-228.	1.8	5
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182	Differential responses in ammonia excretion, sodium fluxes and gill permeability explain different sensitivities to acute high environmental ammonia in three freshwater teleosts. <i>Aquatic Toxicology</i> , 2013, 126, 63-76.	4.0	70
183	Impact of environmental oxygen, exercise, salinity, and metabolic rate on the uptake and tissue-specific distribution of 17 $\beta$ -ethynylestradiol in the euryhaline teleost <i>Fundulus heteroclitus</i> . <i>Aquatic Toxicology</i> , 2013, 138-139, 43-51.	4.0	31
184	The effects of temperature and salinity on 17 $\beta$ -ethynylestradiol uptake and its relationship to oxygen consumption in the model euryhaline teleost ( <i>Fundulus heteroclitus</i> ). <i>Aquatic Toxicology</i> , 2013, 127, 61-71.	4.0	43
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187	An <i>in vitro</i> study of urea, water, ion and CO <sub>2</sub> /HCO <sub>3</sub> <sup>2-</sup> transport in the gastrointestinal tract of the dogfish shark ( <i>Squalus acanthias</i> ): the influence of feeding. <i>Journal of Experimental Biology</i> , 2013, 216, 2063-2072.	1.7	26
188	Physiological effects of waterborne lead exposure in spiny dogfish ( <i>Squalus acanthias</i> ). <i>Aquatic Toxicology</i> , 2013, 126, 373-381.	4.0	22
189	Metal and pharmaceutical mixtures: Is ion loss the mechanism underlying acute toxicity and widespread additive toxicity in zebrafish?. <i>Aquatic Toxicology</i> , 2013, 140-141, 257-267.	4.0	46
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192	Modulation of Rh glycoproteins, ammonia excretion and Na <sup>+</sup> fluxes in three freshwater teleosts when exposed chronically to high environmental ammonia. <i>Journal of Experimental Biology</i> , 2013, 216, 2917-30.	1.7	50
193	Interactions between hypoxia tolerance and food deprivation in Amazonian oscars, <i>Astronotus ocellatus</i> (Agassiz). <i>Journal of Experimental Biology</i> , 2013, 216, 4590-600.	1.7	48
194	Sensitivity of ventilation and brain metabolism to ammonia exposure in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 4025-37.	1.7	20
195	Uptake, handling, and excretion of Na <sup>+</sup> and Cl <sup>-</sup> from the diet <i>in vivo</i> in freshwater and seawater-acclimated killifish, <i>Fundulus heteroclitus</i> , an agastric teleost. <i>Journal of Experimental Biology</i> , 2013, 216, 3925-36.	1.7	6
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198	A perfusion study of the handling of urea and urea analogues by the gills of the dogfish shark ( <i>Squalus acanthias</i> ). <i>PeerJ</i> , 2013, 1, e33.	2.0	18

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200	Diet influences salinity preference of an estuarine fish, the killifish <i>Fundulus heteroclitus</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 1965-1974.	1.7	17
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205	Defecation and the fate of dietary sodium in the common killifish ( <i>Fundulus heteroclitus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 53-57.	1.5	1
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208	Seven things fish know about ammonia and we don't. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 231-240.	1.6	108
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211	Branchial and extra-branchial ammonia excretion in goldfish ( <i>Carassius auratus</i> ) following thermally induced gill remodeling. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2012, 162, 185-192.	1.8	24
212	Use of whole-body and subcellular Cu residues of <i>Lumbriculus variegatus</i> to predict waterborne Cu toxicity to both <i>L. variegatus</i> and <i>Chironomus riparius</i> in fresh water. <i>Chemosphere</i> , 2012, 87, 1208-1214.	8.2	11
213	<i>In vitro</i> characterization of calcium transport along the gastrointestinal tract of freshwater rainbow trout <i>Oncorhynchus mykiss</i> . <i>Journal of Fish Biology</i> , 2012, 81, 1-20.	1.6	10
214	Transepithelial potential in the Magadi tilapia, a fish living in extreme alkalinity. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 247-258.	1.5	25
215	Evaluating the ameliorative effect of natural dissolved organic matter (DOM) quality on copper toxicity to <i>Daphnia magna</i> : improving the BLM. <i>Ecotoxicology</i> , 2012, 21, 524-537.	2.4	63
216	Metal uptake and acute toxicity in zebrafish: Common mechanisms across multiple metals. <i>Aquatic Toxicology</i> , 2011, 105, 385-393.	4.0	99

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218	In vitro characterization of cadmium transport along the gastro-intestinal tract of freshwater rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquatic Toxicology</i> , 2011, 102, 58-72.	4.0	20
219	Physicochemical and spectroscopic properties of natural organic matter (NOM) from various sources and implications for ameliorative effects on metal toxicity to aquatic biota. <i>Aquatic Toxicology</i> , 2011, 103, 179-190.	4.0	88
220	The two faces of DOC. <i>Aquatic Toxicology</i> , 2011, 105, 3-8.	4.0	105
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223	An introduction to metals in fish physiology and toxicology: basic principles. <i>Fish Physiology</i> , 2011, , 1-51.	0.8	26
224	Rapid regulation of Na <sup>+</sup> and Cl <sup>-</sup> flux rates in killifish after acute salinity challenge. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 409, 62-69.	1.5	17
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226	Mechanistic characterization of gastric copper transport in rainbow trout. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 27-41.	1.5	17
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228	Characterisation of l-alanine and glycine absorption across the gut of an ancient vertebrate. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 765-771.	1.5	15
229	Utility of tissue residues for predicting effects of metals on aquatic organisms. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 75-98.	2.9	162
230	Gill morphology and acute hypoxia: responses of mitochondria-rich, pavement, and mucous cells in the Amazonian oscar ( <i>Astronotus ocellatus</i> ) and the rainbow trout ( <i>Oncorhynchus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 <i>Journal of Zoology</i> , 2011, 89, 307-324.	1.0	56
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357	Chronic, sublethal nickel acclimation alters the diffusive properties of renal brush border membrane vesicles (BBMVs) prepared from the freshwater rainbow trout. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006, 143, 78-85.	2.6	8
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362	Appearance of cuboidal cells in relation to salinity in gills of <i>Fundulus heteroclitus</i> , a species exhibiting branchial Na <sup>+</sup> but not Cl <sup>-</sup> uptake in freshwater. <i>Cell and Tissue Research</i> , 2006, 325, 481-492.	2.9	50
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367	Metabolic organization and effects of feeding on enzyme activities of the dogfish shark ( <i>Squalus</i> ) Tj ETQq1 1 0.784314 rgBT /Overloc	1.7	45
368	Gastrointestinal processing of Na <sup>+</sup> , Cl <sup>-</sup> , and K <sup>+</sup> during digestion: implications for homeostatic balance in freshwater rainbow trout. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R1764-R1772.	1.8	62
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398	Mechanism of acute silver toxicity in marine invertebrates. <i>Aquatic Toxicology</i> , 2005, 72, 67-82.	4.0	61
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477	Ionoregulatory strategies and the role of urea in the Magadi tilapia ( <i>Alcolapia grahami</i> ). <i>Canadian Journal of Zoology</i> , 2002, 80, 503-515.	1.0	18
478	Obligatory Urea Production and the Cost of Living in the Magadi Tilapia Revealed by Acclimation to Reduced Salinity and Alkalinity. <i>Physiological and Biochemical Zoology</i> , 2002, 75, 111-122.	1.5	35
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480	The distribution kinetics of waterborne silver-110m in juvenile rainbow trout. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 131, 367-378.	2.6	6
481	The role of dissolved organic carbon in moderating the bioavailability and toxicity of Cu to rainbow trout during chronic waterborne exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 147-160.	2.6	48
482	Physiological effects of chronic silver exposure in <i>Daphnia magna</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 137-145.	2.6	29
483	An in vitro approach for modelling branchial copper binding in rainbow trout. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 111-124.	2.6	4
484	Binding and movement of silver in the intestinal epithelium of a marine teleost fish, the European flounder ( <i>Platichthys flesus</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 125-135.	2.6	10
485	The biotic ligand model: a historical overview. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 3-35.	2.6	355
486	Effect of long-term silver exposure on survival and ionoregulatory development in rainbow trout ( <i>Oncorhynchus mykiss</i> ) embryos and larvae, in the presence and absence of added dissolved organic matter. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 161-173.	2.6	11

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487	Kinetics of radiolabelled silver uptake and depuration in the gills of rainbow trout ( <i>Oncorhynchus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 2002, 56, 197-213.	4.0	36
488	Prolactin effects on cultured pavement cell epithelia and pavement cell plus mitochondria-rich cell epithelia from freshwater rainbow trout gills. <i>General and Comparative Endocrinology</i> , 2002, 128, 44-56.	1.8	29
489	Physiological impact of salinity increase at organism and red blood cell levels in the European flounder ( <i>Platichthys flesus</i> ). <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 274, 159-174.	1.5	23
490	Transport physiology of the urinary bladder in teleosts: A suitable model for renal urea handling?. <i>The Journal of Experimental Zoology</i> , 2002, 292, 604-617.	1.4	9
491	Studies on lipid metabolism in trout ( <i>Oncorhynchus mykiss</i> ) branchial cultures. <i>The Journal of Experimental Zoology</i> , 2002, 293, 683-692.	1.4	12
492	Physiological responses to acute silver exposure in the freshwater crayfish ( <i>Cambarus diogenes</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4.3 57	4.3	57
493	Social interactions affect physiological consequences of sublethal copper exposure in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1255-1263.	4.3	45
494	Evaluation of the effect of reactive sulfide on the acute toxicity of silver (I) to <i>Daphnia magna</i> . Part 1: Description of the chemical system. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1286-1293.	4.3	24
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497	The mechanisms and costs of physiological and toxicological acclimation to waterborne silver in juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2002, 172, 587-597.	1.5	12
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499	Cultured Gill Epithelia from Freshwater Tilapia ( <i>Oreochromis niloticus</i> ): Effect of Cortisol and Homologous Serum Supplements from Stressed and Unstressed Fish. <i>Journal of Membrane Biology</i> , 2002, 190, 29-42.	2.1	46
500	New methods for the primary culture of gill epithelia from freshwater rainbow trout. <i>Fish Physiology and Biochemistry</i> , 2002, 26, 329-344.	2.3	22
501	Substrate utilization during graded aerobic exercise in rainbow trout. <i>Journal of Experimental Biology</i> , 2002, 205, 2067-2077.	1.7	84
502	Mechanisms of ion transport in <i>Potamotrygon</i> , a stenohaline freshwater elasmobranch native to the ion-poor blackwaters of the Rio Negro. <i>Journal of Experimental Biology</i> , 2002, 205, 3039-3054.	1.7	62
503	Copper metabolism in actively growing rainbow trout ( <i>Oncorhynchus mykiss</i> ): interactions between dietary and waterborne copper uptake. <i>Journal of Experimental Biology</i> , 2002, 205, 279-290.	1.7	129
504	Copper uptake across rainbow trout gills. <i>Journal of Experimental Biology</i> , 2002, 205, 1179-1188.	1.7	266

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508	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.	4.3	1
509	Copper metabolism in actively growing rainbow trout (Oncorhynchus mykiss): interactions between dietary and waterborne copper uptake. Journal of Experimental Biology, 2002, 205, 279-90.	1.7	87
510	Physiological responses to acute silver exposure in the freshwater crayfish (Cambarus diogenes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	4.3	31
511	Copper uptake across rainbow trout gills: mechanisms of apical entry. Journal of Experimental Biology, 2002, 205, 1179-88.	1.7	198
512	Social interactions affect physiological consequences of sublethal copper exposure in rainbow trout, Oncorhynchus mykiss. Environmental Toxicology and Chemistry, 2002, 21, 1255-63.	4.3	5
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516	Sensitivity of the spiny dogfish (Squalus acanthias) to waterborne silver exposure. Aquatic Toxicology, 2001, 54, 261-275.	4.0	63
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518	The physiological effects of a biologically incorporated silver diet on rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	4.0	26
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520	Dietary Ca inhibits waterborne Cd uptake in Cd-exposed rainbow trout, Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2001, 130, 347-356.	2.6	20
521	Copper metabolism and gut morphology in rainbow trout (Oncorhynchus mykiss) during chronic sublethal dietary copper exposure. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 293-305.	1.4	51
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530	Chronic effects of silver exposure on ion levels, survival, and silver distribution within developing rainbow trout ( <i>Oncorhynchus mykiss</i> ) embryos. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 553-560.	4.3	24
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537	The cultured branchial epithelium of the rainbow trout as a model for diffusive fluxes of ammonia across the fish gill. <i>Journal of Experimental Biology</i> , 2001, 204, 4115-4124.	1.7	20
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540	Na <sup>+</sup> and Cl <sup>-</sup> transport by the urinary bladder of the freshwater rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Experimental Biology</i> , 2001, 204, 4115-4124.	1.4	6

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542	Physiological effects of chronic copper exposure to rainbow trout ( <i>Oncorhynchus mykiss</i> ) in hard and soft water: Evaluation of chronic indicators. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2298-2308.	4.3	123
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546	Intracellular pH regulation and buffer capacity in CO <sub>2</sub> /HCO <sub>3</sub> <sup>-</sup> -buffered media in cultured epithelial cells from rainbow trout gills. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2000, 170, 175-184.	1.5	24
547	Effects of long term sublethal Cd exposure in rainbow trout during soft water exposure: implications for biotic ligand modelling. <i>Aquatic Toxicology</i> , 2000, 51, 93-105.	4.0	65
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552	Effects of chronic sublethal exposure to waterborne Cu, Cd or Zn in rainbow trout 2: tissue specific metal accumulation. <i>Aquatic Toxicology</i> , 2000, 50, 245-256.	4.0	149
553	A Physiologically Based Biotic Ligand Model for Predicting the Acute Toxicity of Waterborne Silver to Rainbow Trout in Freshwaters. <i>Environmental Science &amp; Technology</i> , 2000, 34, 4199-4207.	10.0	120
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555	PHYSIOLOGICAL EFFECTS OF CHRONIC COPPER EXPOSURE TO RAINBOW TROUT ( <i>ONCORHYNCHUS MYKISS</i> ) IN HARD AND SOFT WATER: EVALUATION OF CHRONIC INDICATORS. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2298.	4.3	22
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557	Renal responses of trout to chronic respiratory and metabolic acidoses and metabolic alkalosis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 277, R482-R492.	1.8	42
558	Lactate, H <sup>+</sup> and ammonia transport and distribution in rainbow trout white muscle after exhaustive exercise. , 1999, , 99-124.		4



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560	The Effects of Chronic Plasma Cortisol Elevation on the Feeding Behaviour, Growth, Competitive Ability, and Swimming Performance of Juvenile Rainbow Trout. <i>Physiological and Biochemical Zoology</i> , 1999, 72, 286-295.	1.5	226
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628	The adaptations of fish to extremely alkaline environments. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1996, 113, 665-673.	1.6	110
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644	Notes: Nitrogen Excretion in Four Species of Fish from an Alkaline Lake. <i>Transactions of the American Fisheries Society</i> , 1994, 123, 824-829.	1.4	20
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725	A pharmacological analysis of the adrenergic and cholinergic mechanisms regulating branchial vascular resistance in the rainbow trout ( <i>Salmo gairdneri</i> ). <i>Canadian Journal of Zoology</i> , 1975, 53, 1569-1577.	1.0	72
726	Mayer waves in the circulation of a teleost fish. <i>The Journal of Experimental Zoology</i> , 1974, 189, 267-274.	1.4	23
727	A Critical Examination of the Physical and Adrenergic Factors Affecting Blood Flow Through the Gills of the Rainbow Trout. <i>Journal of Experimental Biology</i> , 1974, 60, 241-265.	1.7	117
728	The influence of swimming activity on sodium balance in the rainbow trout ( <i>Salmo gairdneri</i> ). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1973, 82, 207-233.	1.6	93
729	Sodium balance in the rainbow trout ( <i>Salmo gairdneri</i> ) during extended exercise. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1973, 82, 235-256.	1.6	59
730	The influence of swimming activity on water balance in the rainbow trout ( <i>Salmo gairdneri</i> ). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1973, 82, 257-276.	1.6	105
731	The effect of anaemia on ion exchange in the southern flounder ( <i>Paralichthys lethostigma</i> ). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1971, 39, 391-402.	0.6	17
732	Osmorespiratory compromise in an elasmobranch: oxygen consumption, ventilation and nitrogen metabolism during recovery from exhaustive exercise in dogfish sharks ( <i>Squalus suckleyi</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 0, , .	1.5	0