

Chris M Wood

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

719
papers

27,271
citations

78
h-index

113
g-index

738
ext. papers

29,388
ext. citations

3.6
avg, IF

7.31
L-index

#	Paper	IF	Citations
719	A novel K -dependent Na uptake mechanism during low pH exposure in adult zebrafish (<i>Danio rerio</i>): New tricks for old dogma.. <i>Acta Physiologica</i> , 2022 , e13777	5.6	3
718	Arapaima gigas maintains gas exchange separation in severe aquatic hypoxia but does not suffer branchial oxygen loss.. <i>Journal of Experimental Biology</i> , 2022 ,	3	1
717	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	2.5	
716	Exosomal DEK removes chemoradiotherapy resistance by triggering quiescence exit of breast cancer stem cells.. <i>Oncogene</i> , 2022 ,	9.2	1
715	Transepithelial potential remains indicative of major ion toxicity in rainbow trout (<i>Oncorhynchus mykiss</i>) after 4-day pre-exposure to major salts.. <i>Aquatic Toxicology</i> , 2022 , 246, 106132	5.1	
714	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 vetulus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021 , 265, 111123	2.6	0
713	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 & Integrative Physiology</i> , 2021 , 254, 110896	2.6	0
712	The osmorepiratory compromise in the fish gill. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021 , 254, 110895	2.6	14
711	Ion Transporters and Osmoregulation in the Kidney of Teleost Fishes as a Function of Salinity. <i>Frontiers in Physiology</i> , 2021 , 12, 664588	4.6	14
710	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	5
709	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	9.3	3
708	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	5.1	2
707	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	2.2	2
706	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	2.2	1
705	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	8.4	1
704	Interplay of oxygen and light in the photo-oxidation of dissolved organic carbon. <i>Water Research</i> , 2021 , 201, 117332	12.5	2
703	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	1

702	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	3.2	
701	Osmorepiratory 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	2	2
700	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	10.2	4
699	Ionoregulatory aspects of the hypoxia-induced osmorepiratory compromise in the euryhaline Atlantic killifish (<i>Oryzias latipes</i>): the effects of salinity. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	8
698	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, 73557-74	4.4	6
697	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	2.5	2
696	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	6
695	Gills and air-breathing organ in O uptake, CO 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	2.2	10
694	Understanding the gastrointestinal physiology and responses to feeding in air-breathing Anabantiform fishes. <i>Journal of Fish Biology</i> , 2020 , 96, 986-1003	1.9	4
693	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	3.2	1
692	Reverse translation: effects of acclimation temperature and acute temperature challenges on oxygen consumption, diffusive water flux, net sodium loss rates, Q 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	2.2	5
691	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	2.4	1
690	Is ammonia excretion affected by gill ventilation in the rainbow trout <i>Oncorhynchus mykiss</i> ?. <i>Respiratory Physiology and Neurobiology</i> , 2020 , 275, 103385	2.8	6
689	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	3.8	38
688	Dichloroacetate reveals the presence of metabolic inertia at the start of exercise in rainbow trout (<i>Oncorhynchus mykiss</i> , Walbaum 1792). <i>Journal of Fish Biology</i> , 2020 , 97, 1242-1246	1.9	1
687	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 & Integrative Physiology</i> , 2020 , 250, 110781	2.6	6
686	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	5.1	7
685	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 & Integrative Physiology</i> , 2020 , 249, 110775	2.6	2

684	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	3.7	5
683	The gaseous gastrointestinal tract of a seawater teleost, the English sole (<i>Parophrys vetulus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 247, 110743	2.6	1
682	A potential role for hyperpolarization-activated cyclic nucleotide-gated sodium/potassium channels (HCNs) in teleost acid-base and ammonia regulation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 248-249, 110469	2.3	0
681	Gills versus kidney for ionoregulation in the obligate air-breathing fish, a fish with a kidney in its air-breathing organ. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	3
680	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	2.2	6
679	Section-specific H flux in renal tubules of fasted and fed goldfish. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	3
678	Novel Concepts for Novel Entities: Updating Ecotoxicology for a Sustainable Anthropocene. <i>Environmental Science & Technology</i> , 2019 , 53, 4680-4682	10.3	7
677	The effects of salinity and hypoxia exposure on oxygen consumption, ventilation, diffusive water exchange and ionoregulation in the Pacific hagfish (<i>Eptatretus stoutii</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019 , 232, 47-59	2.6	9
676	Does dissolved organic carbon from Amazon black water (Brazil) help a native species, the tambaqui <i>Colossoma macropomum</i> to maintain ionic homeostasis in acidic water?. <i>Journal of Fish Biology</i> , 2019 , 94, 595-605	1.9	6
675	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	10.2	14
674	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	2.2	2
673	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	1.6	4
672	The internal CO ₂ threat to fish: high PCO ₂ in the digestive tract. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20190832	4.4	4
671	The osmorepiratory compromise: physiological responses and tolerance to hypoxia are affected by salinity acclimation in the euryhaline Atlantic killifish (<i>Oryzias latipes</i>). <i>Journal of Experimental Biology</i> , 2019 , 222,	3	13
670	Acute exposure to the water-soluble fraction of gasoline (WSF) 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	3.2	0
669	Fasting in the ureotelic Lake Magadi tilapia, <i>Oreochromis mossambicus</i> , does not reduce its high metabolic demand, increasing its vulnerability to siltation events 2019 , 7, coz060		1
668	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	5.1	8
667	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	3.8	4

666	Ion Regulation, Acid/Base Balance and Gas Exchange Interactions in Salmon Across Salinities. <i>FASEB Journal</i> , 2019 , 33, 728.2	0.9	
665	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,	3	3
664	The osmorepiratory compromise in the euryhaline killifish: water regulation during hypoxia. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	8
663	Internal spatial and temporal CO ₂ dynamics: Fasting, feeding, drinking, and the alkaline tide. <i>Fish Physiology</i> , 2019 , 245-286	2	7
662	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	2.2	9
661	Mechanisms of Ca 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	2.2	6
660	The ventilation mechanism of the Pacific hagfish <i>Eptatretus stoutii</i> . <i>Journal of Fish Biology</i> , 2019 , 94, 261-276	1.9	5
659	Metabolic fuel use after feeding in the zebrafish (<i>Danio rerio</i>): a respirometric analysis. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	10
658	Nitrogen handling in the elasmobranch gut: a role for microbial urease. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	7
657	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 & Integrative Physiology</i> , 2018 , 219-220, 10-18	2.6	29
656	Dissolved organic matter signatures vary between naturally acidic, circumneutral and groundwater-fed freshwaters in Australia. <i>Water Research</i> , 2018 , 137, 184-192	12.5	28
655	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 & Technology</i> , 2018 , 52, 5979-5988	10.3	35
654	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	5.1	5
653	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	3.3	4
652	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	2.2	15
651	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	5.1	7
650	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	4	5
649	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	4.3	8

648	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 & Integrative Physiology</i> , 2018 , 224, 53-67	2.6	22
647	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	7	11
646	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	2.2	23
645	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	3.8	6
644	The fallacy of the - are there more useful alternatives?. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	63
643	Ionoregulatory and oxidative stress issues associated with the evolution of air-breathing. <i>Acta Histochemica</i> , 2018 , 120, 667-679	2	12
642	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	3.2	1
641	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	2.2	5
640	Are Amazonian fish more sensitive to ammonia? Toxicity of ammonia to eleven native species. <i>Hydrobiologia</i> , 2017 , 789, 143-155	2.4	21
639	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	2.4	16
638	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 & Technology</i> , 2017 , 51, 1733-1741	10.3	2
637	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	12.5	18
636	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	3.2	3
635	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 & Integrative Physiology</i> , 2017 , 204, 164-168	2.6	3
634	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	5.1	10
633	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	2	12
632	Experimentally derived acute and chronic copper Biotic Ligand Models for rainbow trout. <i>Aquatic Toxicology</i> , 2017 , 192, 224-240	5.1	12
631	Ammonia and urea handling by early life stages of fishes. <i>Journal of Experimental Biology</i> , 2017 , 220, 3843-3855	3	34

630	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	2.2	9
629	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	2.2	25
628	Acute exposure to high environmental ammonia (HEA) triggers the emersion response in the green shore crab. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017 , 204, 65-75	2.6	7
627	Toxic responses of the gill 2017 , 1-89		6
626	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</i>). <i>PeerJ</i> , 2017 , 5, e3141	3.1	9
625	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> , 2017 , 6, 83-91	2.2	6
624	Different mechanisms of Na uptake and ammonia excretion by the gill and yolk sac epithelium of early life stage rainbow trout. <i>Journal of Experimental Biology</i> , 2017 , 220, 775-786	3	12
623	Postcopulatory consequences of female mate choice in a fish with alternative reproductive tactics. <i>Behavioral Ecology</i> , 2016 , 27, 312-320	2.3	15
622	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, 132-40	5.1	8
621	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, 843-53	2.2	4
620	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	5.1	12
619	(Uncommon) Mechanisms of Branchial Ammonia Excretion in the Common Carp (<i>Cyprinus carpio</i>) in Response to Environmentally Induced Metabolic Acidosis. <i>Physiological and Biochemical Zoology</i> , 2016 , 89, 26-40	2	11
618	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	5.1	20
617	Mammalian metabolic rates in the hottest fish on earth. <i>Scientific Reports</i> , 2016 , 6, 26990	4.9	14
616	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, 431-45	2.2	17
615	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	3	9
614	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, R305-12	3.2	4
613	Revisiting the mechanisms of copper toxicity to rainbow trout: Time course, influence of calcium, unidirectional Na(+) fluxes, and branchial Na(+), K(+) ATPase and V-type H(+) ATPase activities. <i>Aquatic Toxicology</i> , 2016 , 177, 51-62	5.1	19

612	Improved ROS defense in the swimbladder of a facultative air-breathing erythrinid fish, jeju, compared to a non-air-breathing close relative, traira. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016 , 186, 615-24	2.2	10
611	Influence of dissolved organic matter (DOM) source on copper speciation and toxicity to <i>Brachionus plicatilis</i> . <i>Environmental Chemistry</i> , 2016 , 13, 496	3.2	12
610	Procedures for the reconstruction, primary culture and experimental use of rainbow trout gill epithelia. <i>Nature Protocols</i> , 2016 , 11, 490-8	18.8	24
609	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, 370-81	9.3	9
608	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	3.5	18
607	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 & Technology</i> , 2016 , 50, 1595-603	10.3	23
606	In vitro 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, 264-79	1.9	6
605	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	3	7
604	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	4.9	31
603	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	9.3	16
602	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 & Integrative Physiology</i> , 2016 , 199, 1-7	2.6	12
601	Fish Populations in East African Saline Lakes 2016 , 227-257		6
600	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, 343-54	5.1	17
599	It's all in the gills: evaluation of O ₂ uptake in Pacific hagfish refutes a major respiratory role for the skin. <i>Journal of Experimental Biology</i> , 2016 , 219, 2814-2818	3	13
598	Intestinal ammonia transport in freshwater and seawater acclimated rainbow trout (<i>Oncorhynchus mykiss</i>): evidence for a Na ⁺ coupled uptake mechanism. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015 , 183, 45-56	2.6	6
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