

Greg G. Goss

List of Publications by Year in descending order

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149
papers

6,603
citations

41258

49
h-index

74018

75
g-index

153
all docs

153
docs citations

153
times ranked

6614
citing authors

#	ARTICLE	IF	CITATIONS
1	Randomized Phase III Trial of Vinorelbine Plus Cisplatin Compared With Observation in Completely Resected Stage IB and II Non-Small-Cell Lung Cancer: Updated Survival Analysis of JBR-10. <i>Journal of Clinical Oncology</i> , 2010, 28, 29-34.	0.8	379
2	The biotic ligand model: a historical overview. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 3-35.	1.3	355
3	Widespread Nanoparticle-Assay Interference: Implications for Nanotoxicity Testing. <i>PLoS ONE</i> , 2014, 9, e90650.	1.1	225
4	Structure and function of ionocytes in the freshwater fish gill. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 282-292.	0.7	171
5	Mechanisms of ion and acid-base regulation at the gills of freshwater fish. <i>The Journal of Experimental Zoology</i> , 1992, 263, 143-159.	1.4	167
6	The interrelationships between gill chloride cell morphology and ionic uptake in four freshwater teleosts. <i>Canadian Journal of Zoology</i> , 1992, 70, 1775-1786.	0.4	158
7	Adapting OECD Aquatic Toxicity Tests for Use with Manufactured Nanomaterials: Key Issues and Consensus Recommendations. <i>Environmental Science & Technology</i> , 2015, 49, 9532-9547.	4.6	153
8	Evidence for a morphological component in acid-base regulation during environmental hypercapnia in the brown bullhead (<i>Ictalurus nebulosus</i>). <i>Cell and Tissue Research</i> , 1992, 268, 539-552.	1.5	134
9	Chemical and toxicological characterizations of hydraulic fracturing flowback and produced water. <i>Water Research</i> , 2017, 114, 78-87.	5.3	119
10	Gill Morphology and Acid-Base Regulation in Freshwater Fishes. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998, 119, 107-115.	0.8	109
11	Mannitol at Clinical Concentrations Activates Multiple Signaling Pathways and Induces Apoptosis in Endothelial Cells. <i>Stroke</i> , 1998, 29, 2631-2640.	1.0	101
12	Interrelationships between gill chloride cell morphology and calcium uptake in freshwater teleosts. <i>Fish Physiology and Biochemistry</i> , 1992, 10, 327-337.	0.9	96
13	Perfluorooctane sulfonate toxicity, isomer-specific accumulation, and maternal transfer in zebrafish (<i>Danio rerio</i>) and rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1957-1966.	2.2	96
14	Regulation of branchial V-H ⁺ -ATPase, Na ⁺ /K ⁺ -ATPase and NHE2 in response to acid and base infusions in the Pacific spiny dogfish (<i>Squalus acanthias</i>). <i>Journal of Experimental Biology</i> , 2005, 208, 345-354.	0.8	94
15	Bicarbonate-sensing soluble adenylyl cyclase is an essential sensor for acid/base homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 442-447.	3.3	85
16	Sublethal and Reproductive Effects of Acute and Chronic Exposure to Flowback and Produced Water from Hydraulic Fracturing on the Water Flea <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2017, 51, 3032-3039.	4.6	85
17	Microtubule-dependent relocation of branchial V-H ⁺ -ATPase to the basolateral membrane in the Pacific spiny dogfish (<i>Squalus acanthias</i>): a role in base secretion. <i>Journal of Experimental Biology</i> , 2006, 209, 599-609.	0.8	83
18	Mechanistic insights into the effect of nanoparticles on zebrafish hatch. <i>Nanotoxicology</i> , 2014, 8, 295-304.	1.6	83

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19	Assessment of biomarkers for contaminants of emerging concern on aquatic organisms downstream of a municipal wastewater discharge. <i>Science of the Total Environment</i> , 2015, 530-531, 140-153.	3.9	83
20	Signal transduction in multifactorial neuroendocrine control of gonadotropin secretion and synthesis in teleosts—studies on the goldfish model. <i>General and Comparative Endocrinology</i> , 2009, 161, 42-52.	0.8	82
21	Physiological disturbances in rainbow trout (<i>Salmo gairdneri</i>) during acid and aluminum exposures in soft water of two calcium concentrations. <i>Canadian Journal of Zoology</i> , 1989, 67, 314-324.	0.4	81
22	The effects of acid and acid/aluminum exposure on circulating plasma cortisol levels and other blood parameters in the rainbow trout, <i>Salmo gairdneri</i> . <i>Journal of Fish Biology</i> , 1988, 32, 63-76.	0.7	80
23	Blood Gases, Acid–Base Status, Ions, and Hematology in Adult Brook Trout (<i>Salvelinus fontinalis</i>) under Acid/Aluminum Exposure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1988, 45, 1575-1586.	0.7	80
24	Localization and characterization of phenamil-sensitive Na ⁺ -influx in isolated rainbow trout gill epithelial cells. <i>Journal of Experimental Biology</i> , 2003, 206, 551-559.	0.8	80
25	Inhibition of enzyme activity by nanomaterials: Potential mechanisms and implications for nanotoxicity testing. <i>Nanotoxicology</i> , 2012, 6, 514-525.	1.6	78
26	Silver Nanoparticles Inhibit Sodium Uptake in Juvenile Rainbow Trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Science & Technology</i> , 2012, 46, 10295-10301.	4.6	75
27	Gill morphology during hypercapnia in brown bullhead (<i>Ictalurus nebulosus</i>): role of chloride cells and pavement cells in acid-base regulation. <i>Journal of Fish Biology</i> , 1994, 45, 705-718.	0.7	73
28	Comparative analysis of hydraulic fracturing wastewater practices in unconventional shale development: Water sourcing, treatment and disposal practices. <i>Canadian Water Resources Journal</i> , 2017, 42, 105-121.	0.5	73
29	Setting up a hydrological model of Alberta: Data discrimination analyses prior to calibration. <i>Environmental Modelling and Software</i> , 2015, 74, 48-65.	1.9	71
30	Characterization of a branchial epithelial calcium channel (ECaC) in freshwater rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Experimental Biology</i> , 2006, 209, 1928-1943.	0.8	69
31	Proteome Profile of Cytosolic Component of Zebrafish Liver Generated by LC ⁺ ESI MS/MS Combined with Trypsin Digestion and Microwave-Assisted Acid Hydrolysis. <i>Journal of Proteome Research</i> , 2007, 6, 263-272.	1.8	69
32	Theoretical considerations underlying Na ⁺ uptake mechanisms in freshwater fishes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 148, 411-418.	1.3	69
33	Aquatic toxicity of manufactured nanomaterials: challenges and recommendations for future toxicity testing. <i>Environmental Chemistry</i> , 2014, 11, 207.	0.7	69
34	Developmental Toxicity of the Organic Fraction from Hydraulic Fracturing Flowback and Produced Waters to Early Life Stages of Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2018, 52, 3820-3830.	4.6	66
35	Na ⁺ /H ⁺ exchange activity during phagocytosis in human neutrophils: role of Fcγ receptors and tyrosine kinases. <i>Journal of Cell Biology</i> , 1996, 132, 1037-1052.	2.3	65
36	Acid-sensing ion channels are involved in epithelial Na ⁺ uptake in the rainbow trout (<i>Oncorhynchus mykiss</i>). <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C255-C265.	2.1	65

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37	Peanut lectin binds to a subpopulation of mitochondria-rich cells in the rainbow trout gill epithelium. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R1718-R1725.	0.9	63
38	Interactions between Na ⁺ channels and Na ⁺ -HCO ₃ ⁻ cotransporters in the freshwater fish gill MR cell: a model for transepithelial Na ⁺ uptake. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C935-C944.	2.1	62
39	Atomic force microscopy: A nanoscopic view of microbial cell surfaces. <i>Micron</i> , 2012, 43, 1312-1322.	1.1	62
40	Chloride Uptake and Base Secretion in Freshwater Fish: A Transepithelial Ion Transport Metabolon?. <i>Physiological and Biochemical Zoology</i> , 2006, 79, 981-996.	0.6	60
41	The effect of hydraulic flowback and produced water on gill morphology, oxidative stress and antioxidant response in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Scientific Reports</i> , 2017, 7, 46582.	1.6	60
42	Distinct Na ⁺ /K ⁺ /2Cl ⁻ cotransporter localization in kidneys and gills of two euryhaline species, rainbow trout and killifish. <i>Cell and Tissue Research</i> , 2008, 334, 265-281.	1.5	58
43	Freshwater Sponges Have Functional, Sealing Epithelia with High Transepithelial Resistance and Negative Transepithelial Potential. <i>PLoS ONE</i> , 2010, 5, e15040.	1.1	58
44	Serotonergic sensory-motor neurons mediate a behavioral response to hypoxia in pond snail embryos. <i>Journal of Neurobiology</i> , 2002, 52, 73-83.	3.7	57
45	Phylogenetic Analysis of the MS4A and TMEM176 Gene Families. <i>PLoS ONE</i> , 2010, 5, e9369.	1.1	57
46	The physiological consequences of exposure to chronic, sublethal waterborne nickel in rainbow trout (<i>Oncorhynchus mykiss</i>): exercise vs resting physiology. <i>Journal of Experimental Biology</i> , 2004, 207, 1249-1261.	0.8	54
47	Effects on Biotransformation, Oxidative Stress, and Endocrine Disruption in Rainbow Trout (<i>Oncorhynchus mykiss</i>) Exposed to Hydraulic Fracturing Flowback and Produced Water. <i>Environmental Science & Technology</i> , 2017, 51, 940-947.	4.6	54
48	Physicochemical Characteristics of Polymer-Coated Metal-Oxide Nanoparticles and their Toxicological Effects on Zebrafish (<i>Danio rerio</i>) Development. <i>Environmental Science & Technology</i> , 2013, 47, 6589-6596.	4.6	53
49	10 Ultrastructural and Morphometric Studies on Ion and Acid-Base Transport Processes in Freshwater Fish. <i>Fish Physiology</i> , 1995, , 257-284.	0.2	52
50	Morphological responses of the rainbow trout (<i>Oncorhynchus mykiss</i>) gill to hyperoxia, base (NaHCO ₃) and acid (HCl) infusions. <i>Fish Physiology and Biochemistry</i> , 1994, 12, 465-477.	0.9	50
51	V-H ⁺ -ATPase translocation during blood alkalosis in dogfish gills: interaction with carbonic anhydrase and involvement in the postfeeding alkaline tide. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2012-R2019.	0.9	50
52	Two-substrate kinetic analysis: a novel approach linking ion and acid-base transport at the gills of freshwater trout, <i>Oncorhynchus mykiss</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 161, 635-646.	0.7	48
53	Proton pumps in fish gill pavement cells?. <i>Archives Internationales De Physiologie, De Biochimie Et De Biophysique</i> , 1994, 102, 77-79.	0.1	48
54	Evaluating the Toxicity of Hydroxyapatite Nanoparticles in Catfish Cells and Zebrafish Embryos. <i>Small</i> , 2013, 9, 1734-1741.	5.2	46

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55	ERK1 and ERK2 present functional redundancy in tetrapods despite higher evolution rate of ERK1. <i>BMC Evolutionary Biology</i> , 2015, 15, 179.	3.2	46
56	Large-Scale Proteome Profile of the Zebrafish (<i>Danio rerio</i>) Gill for Physiological and Biomarker Discovery Studies. <i>Zebrafish</i> , 2009, 6, 229-238.	0.5	45
57	The role of acid-sensing ion channels (ASICs) in epithelial Na ⁺ uptake in adult zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2014, 127, 4207-4214.	0.8	42
58	Cardio-respirometry disruption in zebrafish (<i>Danio rerio</i>) embryos exposed to hydraulic fracturing flowback and produced water. <i>Environmental Pollution</i> , 2017, 231, 1477-1487.	3.7	42
59	V-H ⁺ -ATPase, Na ⁺ /K ⁺ -ATPase and NHE2 immunoreactivity in the gill epithelium of the Pacific hagfish (<i>Eptatretus stoutii</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2006, 145, 312-321.	0.8	40
60	Detection of naphthenic acids in fish exposed to commercial naphthenic acids and oil sands process-affected water. <i>Chemosphere</i> , 2007, 68, 518-527.	4.2	38
61	Seawater acclimation causes independent alterations in Na ⁺ /K ⁺ - and H ⁺ -ATPase activity in isolated mitochondria-rich cell subtypes of the rainbow trout gill. <i>Journal of Experimental Biology</i> , 2004, 207, 905-912.	0.8	37
62	Identifying and Predicting Biological Risks Associated With Manufactured Nanoparticles in Aquatic Ecosystems. <i>Journal of Industrial Ecology</i> , 2008, 12, 286-296.	2.8	37
63	The effects of experimentally altered gill chloride cell surface area on acid-base regulation in rainbow trout during metabolic alkalosis. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994, 164, 327-336.	0.7	35
64	Variants of the KCNM3 regulatory subunit of maxi BK channels affect channel inactivation. <i>Physiological Genomics</i> , 2003, 15, 191-198.	1.0	34
65	Mechanisms of Cl ⁻ uptake in rainbow trout: Cloning and expression of slc26a6, a prospective Cl ⁻ /HCO ₃ ⁻ exchanger. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 180, 43-50.	0.8	34
66	Understanding Interactions of Functionalized Nanoparticles with Proteins: A Case Study on Lactate Dehydrogenase. <i>Small</i> , 2014, 10, 2006-2021.	5.2	33
67	Making sense of nickel accumulation and sub-lethal toxic effects in saline waters: Fate and effects of nickel in the green crab, <i>Carcinus maenas</i> . <i>Aquatic Toxicology</i> , 2015, 164, 23-33.	1.9	33
68	Reduced salinity tolerance in the Arctic grayling (<i>Thymallus arcticus</i>) is associated with rapid development of a gill interlamellar cell mass: implications of high-saline spills on native freshwater salmonids. <i>Environmental Pollution</i> , 2016, 4, 1-10.		33
69	Recovery from blood alkalosis in the Pacific hagfish (<i>Eptatretus stoutii</i>): Involvement of gill H ⁺ -ATPase and Na ⁺ /K ⁺ -ATPase. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 133-141.	0.8	31
70	Physicochemical properties of functionalized carbon-based nanomaterials and their toxicity to fishes. <i>Carbon</i> , 2016, 104, 78-89.	5.4	31
71	Induction of nitric oxide and respiratory burst response in activated goldfish macrophages requires potassium channel activity. <i>Developmental and Comparative Immunology</i> , 2002, 26, 445-459.	1.0	30
72	Humic acid ameliorates nanoparticle-induced developmental toxicity in zebrafish. <i>Environmental Science: Nano</i> , 2017, 4, 127-137.	2.2	29

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73	Blood and gill responses to HCl infusions in the Pacific hagfish (<i>Eptatretus stoutii</i>). Canadian Journal of Zoology, 2007, 85, 855-862.	0.4	28
74	Physical immobility as a sensitive indicator of hydraulic fracturing fluid toxicity towards <i>Daphnia magna</i> . Science of the Total Environment, 2018, 635, 639-643.	3.9	28
75	Use of goldfish to monitor wastewater and reuse water for xenobiotics. Journal of Environmental Engineering and Science, 2008, 7, 369-383.	0.3	27
76	Cloning of rainbow trout SLC26A1: involvement in renal sulfate secretion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R1468-R1478.	0.9	26
77	Potential of polycyclic aromatic hydrocarbon uptake in zebrafish embryos by nanoplastics. Environmental Science: Nano, 2020, 7, 1730-1741.	2.2	25
78	Regulation of ion transport by pH and [HCO ₃ ⁻] in isolated gills of the crab <i>Neohelice</i> (<i>Chasmagnathus</i>) <i>granulata</i> . American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1033-R1043.	0.9	24
79	Adaptations of a deep sea scavenger: High ammonia tolerance and active NH ₄ ⁺ excretion by the Pacific hagfish (<i>Eptatretus stoutii</i>). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 182, 64-74.	0.8	24
80	Comparative Analysis of Hydraulic Fracturing Wastewater Practices in Unconventional Shale Development: Newspaper Coverage of Stakeholder Concerns and Social License to Operate. Sustainability, 2016, 8, 912.	1.6	24
81	Application of Engineered Si Nanoparticles in Light-Induced Advanced Oxidation Remediation of a Water-Borne Model Contaminant. ACS Nano, 2016, 10, 5405-5412.	7.3	24
82	Proposal for a tiered dietary bioaccumulation testing strategy for engineered nanomaterials using fish. Environmental Science: Nano, 2018, 5, 2030-2046.	2.2	23
83	Defensive slime formation in Pacific hagfish requires Ca ²⁺ and aquaporin mediated swelling of released mucin vesicles. Journal of Experimental Biology, 2014, 217, 2288-96.	0.8	22
84	Cellular uptake and intracellular localization of poly (acrylic acid) nanoparticles in a rainbow trout (<i>Oncorhynchus mykiss</i>) gill epithelial cell line, RTgill-W1. Aquatic Toxicology, 2017, 192, 58-68.	1.9	22
85	Potential of lethal and sub-lethal effects of benzophenone and oxybenzone by UV light in zebrafish embryos. Aquatic Toxicology, 2021, 235, 105835.	1.9	22
86	Effects of polymer-coated metal oxide nanoparticles on goldfish (<i>Carassius auratus</i> L.) neutrophil viability and function. Nanotoxicology, 2015, 9, 23-33.	1.6	21
87	Extrabranchial mechanisms of systemic pH recovery in hagfish (<i>Eptatretus stoutii</i>). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 168, 82-89.	0.8	20
88	Osmotic activation of the Na ⁺ /H ⁺ antiporter during volume regulation. Biochemical Society Transactions, 1994, 22, 512-516.	1.6	19
89	Effects of anionic polyacrylamide products on gill histopathology in juvenile rainbow trout (<i>Oncorhynchus mykiss</i>). Environmental Toxicology and Chemistry, 2014, 33, 1552-1562.	2.2	19
90	Assessment of the Combined Effects of Threshold Selection and Parameter Estimation of Generalized Pareto Distribution with Applications to Flood Frequency Analysis. Water (Switzerland), 2017, 9, 692.	1.2	19

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91	In vitro assessment of endocrine disrupting potential of organic fractions extracted from hydraulic fracturing flowback and produced water (HF-FPW). <i>Environment International</i> , 2018, 121, 824-831.	4.8	19
92	Phosphate absorption across multiple epithelia in the Pacific hagfish (<i>Eptatretus stoutii</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R643-R652.	0.9	18
93	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.	0.8	16
94	Impacts of Hydrological Processes on Stream Temperature in a Cold Region Watershed Based on the SWAT Equilibrium Temperature Model. <i>Water (Switzerland)</i> , 2020, 12, 1112.	1.2	16
95	UV-induced toxicity of cerium oxide nanoparticles (CeO ₂ NPs) and the protective properties of natural organic matter (NOM) from the Rio Negro Amazon River. <i>Environmental Science: Nano</i> , 2018, 5, 476-486.	2.2	15
96	Smarten. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 95-109.	0.1	14
97	Intracellular pH regulation in isolated trout gill mitochondrion-rich (MR) cell subtypes: Evidence for Na ⁺ /H ⁺ activity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 155, 139-145.	0.8	14
98	Mechanism of sodium uptake in PNA negative MR cells from rainbow trout, <i>Oncorhynchus mykiss</i> as revealed by silver and copper inhibition. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2011, 159, 234-241.	0.8	14
99	Effect of light on physicochemical and biological properties of nanocrystalline silver dressings. <i>RSC Advances</i> , 2015, 5, 14294-14304.	1.7	14
100	Poly(acrylic acid)-coated titanium dioxide nanoparticle and ultraviolet light co-exposure has minimal effect on developing zebrafish (<i>Danio rerio</i>). <i>Environmental Science: Nano</i> , 2017, 4, 658-669.	2.2	14
101	Flexible ammonia handling strategies using both cutaneous and branchial epithelia in the highly ammonia-tolerant Pacific hagfish. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 313, R78-R90.	0.9	14
102	The effect of copper nanoparticles on olfaction in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Science: Nano</i> , 2019, 6, 2094-2104.	2.2	13
103	Exposure to Hydraulic Fracturing Flowback Water Impairs <i>Mahi-Mahi</i> (<i>Coryphaena</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Science & Technology, 2020, 54, 13579-13589.	4.6	13
104	Chronic toxicity of waterborne thallium to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2021, 268, 115776.	3.7	13
105	New guidance brings clarity to environmental hazard and behaviour testing of nanomaterials. <i>Nature Nanotechnology</i> , 2021, 16, 482-483.	15.6	13
106	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, 234, e13777.	1.8	13
107	Cellular mechanisms of Cl ⁻ transport in trout gill mitochondrion-rich cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1161-R1169.	0.9	12
108	Physiological responses of postprandial red rock crabs (<i>Cancer productus</i>) during emersion. <i>Canadian Journal of Zoology</i> , 2009, 87, 1158-1169.	0.4	12

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109	Wide scope for ammonia and urea excretion in foraging Pacific hagfish. <i>Marine Biology</i> , 2017, 164, 1.	0.7	12
110	Response of aquatic microbial communities and bioindicator modelling of hydraulic fracturing flowback and produced water. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	12
111	Serotonin-induced high intracellular pH aids in alkali secretion in the anterior midgut of larval yellow fever mosquito <i>Aedes aegypti</i> L.. <i>Journal of Experimental Biology</i> , 2009, 212, 2571-2578.	0.8	11
112	Time course of the acute response of the North Pacific spiny dogfish shark (<i>Squalus suckleyi</i>) to low salinity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 171, 9-15.	0.8	11
113	Characterization of developmental Na ⁺ uptake in rainbow trout larvae supports a significant role for Nhe3b. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 201, 30-36.	0.8	11
114	Regulation of plasma glucose and sulfate excretion in Pacific hagfish, <i>Eptatretus stoutii</i> is not mediated by 11-deoxycortisol. <i>General and Comparative Endocrinology</i> , 2017, 247, 107-115.	0.8	11
115	Comparative analysis of hydraulic fracturing wastewater practices in unconventional shale developments: Regulatory regimes. <i>Canadian Water Resources Journal</i> , 2017, 42, 122-137.	0.5	11
116	Signaling by intracellular Ca ²⁺ and H ⁺ in larval mosquito (<i>Aedes aegypti</i>) midgut epithelium in response to serosal serotonin and lumen pH. <i>Journal of Insect Physiology</i> , 2012, 58, 506-512.	0.9	10
117	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.	0.7	9
118	Ammonia independent sodium uptake mediated by Na ⁺ channels and NHEs in the freshwater ribbon leech <i>Nepheleopsis obscura</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 3270-3279.	0.8	9
119	Rainbow Trout (<i>Oncorhynchus mykiss</i>) Na ⁺ /H ⁺ Exchangers tNhe3a and tNhe3b Display Unique Inhibitory Profiles Dissimilar from Mammalian NHE Isoforms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2205.	1.8	9
120	Removal of biological effects of organic pollutants in municipal wastewater by a novel advanced oxidation system. <i>Journal of Environmental Management</i> , 2021, 280, 111855.	3.8	9
121	Polymer-Coated Metal-Oxide Nanoparticles Inhibit IgE Receptor Binding, Cellular Signaling, and Degranulation in a Mast Cell-like Cell Line. <i>Advanced Science</i> , 2015, 2, 1500104.	5.6	8
122	Rosette Nanotubes Alter IgE-Mediated Degranulation in the Rat Basophilic Leukemia (RBL)-2H3 Cell Line. <i>Toxicological Sciences</i> , 2015, 148, 108-120.	1.4	8
123	Physiological and morphological investigation of Arctic grayling (<i>Thymallus arcticus</i>) gill filaments with high salinity exposure and recovery. , 2017, 5, cox040.		8
124	Dropping the base: recovery from extreme hypercarbia in the CO ₂ tolerant Pacific hagfish (<i>Eptatretus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 2018, 188, 421-435.	0.7	8
125	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, .	0.8	8
126	The "Trojan Horse" effect of nanoplastics: potentiation of polycyclic aromatic hydrocarbon uptake in rainbow trout and the mitigating effects of natural organic matter. <i>Environmental Science: Nano</i> , 2021, 8, 3685-3698.	2.2	8

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127	Contrasts in the hypo-osmoregulatory abilities of a freshwater and an anadromous population of inconnu. <i>Journal of Fish Biology</i> , 2001, 59, 916-927.	0.7	7
128	Toxicity of nanoencapsulated bifenthrin to rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Science: Nano</i> , 2019, 6, 2777-2785.	2.2	7
129	Lipid acquisition and tissue storage in hagfish: new insights from an ancient vertebrate. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 37-45.	0.7	7
130	Effect of temperature on phenanthrene accumulation from hydraulic fracturing flowback and produced water in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Pollution</i> , 2021, 272, 116411.	3.7	7
131	Particulate emissions from turbulent diffusion flames with entrained droplets: A laboratory simulation of gas flaring emissions. <i>Journal of Aerosol Science</i> , 2021, 157, 105807.	1.8	7
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