

Greg G. Goss

List of Publications by Year in descending order

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149
papers

6,603
citations

41258

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153
docs citations

153
times ranked

6614
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#	ARTICLE	IF	CITATIONS
1	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
2	Molecular identification and post-prandial regulation of glucose carrier proteins in the hindgut of Pacific hagfish, <i>Eptatretus stoutii</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, , .	0.9	1
3	Hypoxemia as the mechanism of acute cationic polymer toxicity in rainbow trout and prevention of toxicity using an anionic neutralizing polymer. <i>Aquatic Toxicology</i> , 2022, , 106198.	1.9	1
4	Dining on the dead in the deep: Active NH_4^+ excretion via Na^+/H^+ (NH_4^+) exchange in the highly ammonia tolerant Pacific hagfish, <i>Eptatretus stoutii</i> . <i>Acta Physiologica</i> , 2022, 236, .	1.8	7
5	Chronic toxicity of waterborne thallium to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2021, 268, 115776.	3.7	13
6	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
7	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
8	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
9	New guidance brings clarity to environmental hazard and behaviour testing of nanomaterials. <i>Nature Nanotechnology</i> , 2021, 16, 482-483.	15.6	13
10	Potential of lethal and sub-lethal effects of benzophenone and oxybenzone by UV light in zebrafish embryos. <i>Aquatic Toxicology</i> , 2021, 235, 105835.	1.9	22
11	Effect of amino acid composition of elastin-like polypeptide nanoparticles on nonspecific protein adsorption, macrophage cell viability and phagocytosis. <i>Biopolymers</i> , 2021, , e23468.	1.2	2
12	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
13	Polymer-coated TiO_2 nanoparticles bioaccumulate, immunoactivate and suppress pathogenic <i>Mycobacterium chelonae</i> clearance when intravenously injected into goldfish (<i>Carassius auratus</i> L.). <i>Environmental Science: Nano</i> , 2021, 8, 1910-1926.	2.2	1
14	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
15	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
16	Polymer-coated nanoparticle protein corona formation potentiates phagocytosis of bacteria by innate immune cells and inhibits coagulation in human plasma. <i>Biointerphases</i> , 2020, 15, 051003.	0.6	6
17	Polyacrylic acid coated nanoparticles elicit endothelial cell apoptosis and diminish vascular relaxation in <i>ex vivo</i> perfused iliac arteries of the cane toad (<i>Rhinella marina</i>). <i>Environmental Science: Nano</i> , 2020, 7, 1912-1926.	2.2	6
18	Potentiation of polycyclic aromatic hydrocarbon uptake in zebrafish embryos by nanoplastics. <i>Environmental Science: Nano</i> , 2020, 7, 1730-1741.	2.2	25

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19	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
20	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
21	Toxicity of nanoencapsulated bifenthrin to rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Science: Nano</i> , 2019, 6, 2777-2785.	2.2	7
22	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
23	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
24	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
25	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
26	Dropping the base: recovery from extreme hypercarbia in the CO ₂ tolerant Pacific hagfish (<i>Eptatretus</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> 2018, 188, 421-435.	0.7	8
27	Carbon nanotubes diminish IgE-mediated degranulation in the rat basophilic leukemia (RBL)-2H3 cell line. <i>NanoImpact</i> , 2018, 9, 31-41.	2.4	1
28	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
29	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
30	Physical immobility as a sensitive indicator of hydraulic fracturing fluid toxicity towards <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2018, 635, 639-643.	3.9	28
31	Proposal for a tiered dietary bioaccumulation testing strategy for engineered nanomaterials using fish. <i>Environmental Science: Nano</i> , 2018, 5, 2030-2046.	2.2	23
32	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
33	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
34	Chemical and toxicological characterizations of hydraulic fracturing flowback and produced water. <i>Water Research</i> , 2017, 114, 78-87.	5.3	119
35	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
36	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

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37	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
38	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
39	Peptide-based fluorescence biosensors for detection/measurement of nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 903-915.	1.9	4
40	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
41	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
42	Cellular uptake and intracellular localization of poly (acrylic acid) nanoparticles in a rainbow trout (<i>Oncorhynchus mykiss</i>) gill epithelial cell line, RTgill-W1. <i>Aquatic Toxicology</i> , 2017, 192, 58-68.	1.9	22
43	Wide scope for ammonia and urea excretion in foraging Pacific hagfish. <i>Marine Biology</i> , 2017, 164, 1.	0.7	12
44	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
45	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
46	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
47	Humic acid ameliorates nanoparticle-induced developmental toxicity in zebrafish. <i>Environmental Science: Nano</i> , 2017, 4, 127-137.	2.2	29
48	Cadmium bioaccumulates after acute exposure but has no effect on locomotion or shelter-seeking behaviour in the invasive green shore crab (<i>Carcinus maenas</i>). , 2017, 5, cox057.		5
49	Physiological and morphological investigation of Arctic grayling (<i>Thymallus arcticus</i>) gill filaments with high salinity exposure and recovery. , 2017, 5, cox040.		8
50	Assessment of the Combined Effects of Threshold Selection and Parameter Estimation of Generalized Pareto Distribution with Applications to Flood Frequency Analysis. <i>Water (Switzerland)</i> , 2017, 9, 692.	1.2	19
51	Comparative Analysis of Hydraulic Fracturing Wastewater Practices in Unconventional Shale Development: Newspaper Coverage of Stakeholder Concerns and Social License to Operate. <i>Sustainability</i> , 2016, 8, 912.	1.6	24
52	Application of Engineered Si Nanoparticles in Light-Induced Advanced Oxidation Remediation of a Water-Borne Model Contaminant. <i>ACS Nano</i> , 2016, 10, 5405-5412.	7.3	24
53	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
54	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

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55	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. , 2016, 4, cow010.		33
56	Physicochemical properties of functionalized carbon-based nanomaterials and their toxicity to fishes. Carbon, 2016, 104, 78-89.	5.4	31
57	Polymer-Coated Metal-Oxide Nanoparticles Inhibit IgE Receptor Binding, Cellular Signaling, and Degranulation in a Mast Cell-like Cell Line. Advanced Science, 2015, 2, 1500104.	5.6	8
58	ERK1 and ERK2 present functional redundancy in tetrapods despite higher evolution rate of ERK1. BMC Evolutionary Biology, 2015, 15, 179.	3.2	46
59	Assessment of biomarkers for contaminants of emerging concern on aquatic organisms downstream of a municipal wastewater discharge. Science of the Total Environment, 2015, 530-531, 140-153.	3.9	83
60	Effect of light on physicochemical and biological properties of nanocrystalline silver dressings. RSC Advances, 2015, 5, 14294-14304.	1.7	14
61	The role of acid-sensing ion channels (ASICs) in epithelial Na ⁺ uptake in adult zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT /Overload 0,8 42		
62	Adapting OECD Aquatic Toxicity Tests for Use with Manufactured Nanomaterials: Key Issues and Consensus Recommendations. Environmental Science & Technology, 2015, 49, 9532-9547.	4.6	153
63	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> . Aquatic Toxicology, 2015, 164, 23-33.	1.9	33
64	Physiological responses of the intertidal starfish <i>Pisaster ochraceus</i> , (Brandt, 1835) to emersion at different temperatures. Journal of Experimental Marine Biology and Ecology, 2015, 468, 83-90.	0.7	6
65	Setting up a hydrological model of Alberta: Data discrimination analyses prior to calibration. Environmental Modelling and Software, 2015, 74, 48-65.	1.9	71
66	Rosette Nanotubes Alter IgE-Mediated Degranulation in the Rat Basophilic Leukemia (RBL)-2H3 Cell Line. Toxicological Sciences, 2015, 148, 108-120.	1.4	8
67	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
68	Mechanisms of Cl ⁻ uptake in rainbow trout: Cloning and expression of slc26a6, a prospective Cl ⁻ /HCO ₃ ⁻ exchanger. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 180, 43-50.	0.8	34
69	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
70	Aquatic toxicity of manufactured nanomaterials: challenges and recommendations for future toxicity testing. Environmental Chemistry, 2014, 11, 207.	0.7	69
71	Acid-sensing ion channels are involved in epithelial Na ⁺ uptake in the rainbow trout (<i>Oncorhynchus mykiss</i>). American Journal of Physiology - Cell Physiology, 2014, 307, C255-C265.	2.1	65
72	Mechanistic insights into the effect of nanoparticles on zebrafish hatch. Nanotoxicology, 2014, 8, 295-304.	1.6	83

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73	A simple and sensitive biosensor for rapid detection of nanoparticles in water. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	6
74	Effects of anionic polyacrylamide products on gill histopathology in juvenile rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1552-1562.	2.2	19
75	Extrabranchial mechanisms of systemic pH recovery in hagfish (<i>Eptatretus stoutii</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 168, 82-89.	0.8	20
76	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
77	Defensive slime formation in Pacific hagfish requires Ca ²⁺ and aquaporin mediated swelling of released mucin vesicles. <i>Journal of Experimental Biology</i> , 2014, 217, 2288-96.	0.8	22
78	Understanding Interactions of Functionalized Nanoparticles with Proteins: A Case Study on Lactate Dehydrogenase. <i>Small</i> , 2014, 10, 2006-2021.	5.2	33
79	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
80	Widespread Nanoparticle-Assay Interference: Implications for Nanotoxicity Testing. <i>PLoS ONE</i> , 2014, 9, e90650.	1.1	225
81	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
82	Evaluating the Toxicity of Hydroxyapatite Nanoparticles in Catfish Cells and Zebrafish Embryos. <i>Small</i> , 2013, 9, 1734-1741.	5.2	46
83	Structure and function of ionocytes in the freshwater fish gill. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 282-292.	0.7	171
84	Inhibition of enzyme activity by nanomaterials: Potential mechanisms and implications for nanotoxicity testing. <i>Nanotoxicology</i> , 2012, 6, 514-525.	1.6	78
85	Atomic force microscopy: A nanoscopic view of microbial cell surfaces. <i>Micron</i> , 2012, 43, 1312-1322.	1.1	62
86	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
87	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
88	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
89	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
90	PKC mediates GnRH activation of a Na ⁺ /H ⁺ exchanger in goldfish somatotropes. <i>General and Comparative Endocrinology</i> , 2010, 166, 296-306.	0.8	4

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91	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
92	Phylogenetic Analysis of the MS4A and TMEM176 Gene Families. <i>PLoS ONE</i> , 2010, 5, e9369.	1.1	57
93	Freshwater Sponges Have Functional, Sealing Epithelia with High Transepithelial Resistance and Negative Transepithelial Potential. <i>PLoS ONE</i> , 2010, 5, e15040.	1.1	58
94	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
95	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
96	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
97	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
98	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
99	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
100	Smarten. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 95-109.	0.1	14
101	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
102	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
103	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
104	What is the active corticosteroid in primitive agathan vertebrates? The effects of corticosteroids on gluconeogenesis and magnesium regulation in the Pacific hagfish (<i>Eptatretus stouti</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 150, S104.	0.8	0
105	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
106	Regulation of ion transport by pH and [HCO ₃ ⁻] in isolated gills of the crab <i>Neohelice</i> (<i>Chasmagnathus</i>) <i>granulata</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1033-R1043.	0.9	24
107	Use of goldfish to monitor wastewater and reuse water for xenobiotics. <i>Journal of Environmental Engineering and Science</i> , 2008, 7, 369-383.	0.3	27
108	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

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109	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
110	Blood and gill responses to HCl infusions in the Pacific hagfish (<i>Eptatretus stoutii</i>). <i>Canadian Journal of Zoology</i> , 2007, 85, 855-862.	0.4	28
111	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
112	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
113	Recovery from blood alkalosis in the Pacific hagfish (<i>Eptatretus stoutii</i>): Involvement of gill V-H ⁺ -ATPase and Na ⁺ /K ⁺ -ATPase. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 133-141.	0.8	31
114	2.P5. Proteomic profiles of the zebrafish (<i>Danio rerio</i>) gill and liver. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, S11.	0.8	0
115	33.6. Evolution of blood compartment acid-base regulation in aquatic vertebrates: Hagfish as a model system. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, S144.	0.8	0
116	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
117	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
118	Cloning of rainbow trout SLC26A1: involvement in renal sulfate secretion. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R1468-R1478.	0.9	26
119	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
120	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
121	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
122	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
123	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
124	Plasma membrane depolarization reduces nitric oxide (NO) production in P388D.1 macrophage-like cells during <i>Leishmania major</i> infection. <i>Cellular Immunology</i> , 2003, 222, 58-68.	1.4	5
125	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
126	Variants of the KCNMB3 regulatory subunit of maxi BK channels affect channel inactivation. <i>Physiological Genomics</i> , 2003, 15, 191-198.	1.0	34

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127	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
128	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
129	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
130	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
131	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
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