Chris N Glover

List of Publications by Year
in descending order

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113 papers	3,302 citations	168829 31 h-index	198040 52 g-index
113 all docs	113 docs citations	113 times ranked	3581 citing authors

#	Article	IF	Citations
1	Radium in New Zealand agricultural soils: Crop uptake and estimation of current and future ionising radiation dose. Journal of Environmental Radioactivity, 2022, 244-245, 106808.	0.9	1
2	Acute waterborne strontium exposure to rainbow trout: Tissue accumulation, ionoregulatory effects, and the modifying influence of waterborne calcium. Aquatic Toxicology, 2022, 245, 106125.	1.9	3
3	The relationship between population attributes of the mud snail Amphibola crenata and sediment contamination: A multi-estuary assessment. Marine Pollution Bulletin, 2022, 180, 113762.	2.3	1
4	Effect of thallium on phototactic behaviour in Daphnia magna. Environmental Science and Pollution Research, 2022, 29, 81740-81748.	2.7	4
5	Chronic toxicity of waterborne thallium to Daphnia magna. Environmental Pollution, 2021, 268, 115776.	3.7	13
6	Chemical niches and ionoregulatory traits: applying ionoregulatory physiology to the conservation management of freshwater fishes. , 2021, 9, coab066.		3
7	Spatial and temporal change in trace element profiles in seawater, sediment and mussels associated with an earthquake rubble sea-fill. Marine Pollution Bulletin, 2021, 164, 112034.	2.3	1
8	Environmental DNA and environmental RNA: Current and prospective applications for biological monitoring. Science of the Total Environment, 2021, 782, 146891.	3.9	50
9	Reductionist approaches to the study of ionoregulation in fishes. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 255, 110597.	0.7	1
10	Hypoxia modifies calcium handling in the Pacific hagfish, Eptatretus stoutii. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 261, 111042.	0.8	4
11	The effect of marine dissolved organic carbon on nickel accumulation in early life-stages of the sea urchin, Strongylocentrotus purpuratus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 250, 109150.	1.3	0
12	In vitro characterisation of calcium influx across skin and gut epithelia of the Pacific hagfish, Eptatretus stoutii. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 149-160.	0.7	3
13	The Effect of Major Ions and Dissolved Organic Matter on Complexation and Toxicity of Dissolved Thallium to Daphnia magna. Environmental Toxicology and Chemistry, 2019, 38, 2472-2479.	2.2	13
14	Behavioural responses of the hagfish Eptatretus stoutii to nutrient and noxious stimuli. Scientific Reports, 2019, 9, 13369.	1.6	3
15	Oxidative stress in the galaxiid fish, Galaxias maculatus, exposed to binary waterborne mixtures of the pro-oxidant cadmium and the anti-oxidant diclofenac. Environmental Pollution, 2019, 247, 638-646.	3.7	28
16	Feeding in Eptatretus cirrhatus: effects on metabolism, gut structure and digestive processes, and the influence of post-prandial dissolved oxygen availability. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 229, 52-59.	0.8	4
17	Radium in New Zealand agricultural soils: Phosphate fertiliser inputs, soil activity concentrations and fractionation profiles. Journal of Environmental Radioactivity, 2019, 205-206, 119-126.	0.9	22
18	Acute exposure of larval rainbow trout (Oncorhynchus mykiss) to elevated temperature limits hsp70b expression and influences future thermotolerance. Hydrobiologia, 2019, 836, 155-167.	1.0	18

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19	Acquisition of alanylâ€alanine in an Agnathan: Characteristics of dipeptide transport across the hindgut of the Pacific hagfish Eptatretus stoutii. Journal of Fish Biology, 2019, 95, 1471-1479.	0.7	4
20	The good, the bad and the slimy: experimental studies of hagfish digestive and nutritional physiology. Journal of Experimental Biology, 2019, 222, .	0.8	5
21	Does physiological tolerance to acute hypoxia and salinity change explain ecological niche in two intertidal crab species?. , 2019, 7, coz086.		7
22	Effects of traditional fishing techniques on internal organ regeneration, physiology, and biochemistry in the tropical sea cucumber Stichopus horrens. Journal of Experimental Marine Biology and Ecology, 2019, 510, 15-22.	0.7	6
23	Lipid acquisition and tissue storage in hagfish: new insights from an ancient vertebrate. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2019, 189, 37-45.	0.7	7
24	Acute waterborne cadmium toxicity in the estuarine pulmonate mud snail, Amphibola crenata. Ecotoxicology and Environmental Safety, 2018, 158, 274-283.	2.9	9
25	Effects of waterborne cadmium on metabolic rate, oxidative stress, and ion regulation in the freshwater fish, inanga (Galaxias maculatus). Aquatic Toxicology, 2018, 194, 1-9.	1.9	38
26	Acute exposure to an environmentally relevant concentration of diclofenac elicits oxidative stress in the culturally important galaxiid fish Galaxias maculatus. Environmental Toxicology and Chemistry, 2018, 37, 224-235.	2.2	29
27	Deterministic and Semiprobabilistic Modeling of the Committed Dose from Radionuclides and the Chemical Burden from Uranium in the New Zealand Diet. Journal of Food Protection, 2018, 81, 1400-1410.	0.8	5
28	Physical immobility as a sensitive indicator of hydraulic fracturing fluid toxicity towards Daphnia magna. Science of the Total Environment, 2018, 635, 639-643.	3.9	28
29	Defence mechanisms: the role of physiology in current and future environmental protection paradigms. , 2018, 6, coy012.		7
30	Interactive effects of hypoxia and dissolved nutrients on the physiology and biochemistry of the freshwater crayfish Paranephrops zealandicus. Marine and Freshwater Research, 2018, 69, 933.	0.7	1
31	From sea squirts to squirrelfish: facultative trace element hyperaccumulation in animals. Metallomics, 2018, 10, 777-793.	1.0	12
32	Natural variation in correlations between cadmium and micronutrients in potato tubers. Journal of Food Composition and Analysis, 2017, 59, 55-60.	1.9	15
33	Effects of waterborne cadmium on energy metabolism in the tropical sea cucumber, Stichopus horrens , and a comparison of tissue-specific cadmium accumulation with the temperate sea cucumber Australostichopus mollis. Ecotoxicology and Environmental Safety, 2017, 141, 1-8.	2.9	7
34	Effect of environmental salinity manipulation on uptake rates and distribution patterns of waterborne amino acids in the Pacific hagfish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 204, 164-168.	0.8	5
35	Behavioural, physiological and biochemical responses to aquatic hypoxia in the freshwater crayfish, Paranephrops zealandicus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 212, 72-80.	0.8	9
36	Drinking and water permeability in the Pacific hagfish, Eptatretus stoutii. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 1127-1135.	0.7	9

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37	Acute and sub-chronic effects of sub-lethal cadmium exposure on energy metabolism in the freshwater shrimp, Paratya curvirostris. Ecotoxicology and Environmental Safety, 2017, 135, 60-67.	2.9	25
38	On correlation analysis of manyâ€toâ€many observations: an alternative to Pearson's correlation coefficient and its application to an ecotoxicological study. Australian and New Zealand Journal of Statistics, 2017, 59, 371-387.	0.4	2
39	Metabolism drives distribution and abundance in extremophile fish. PLoS ONE, 2017, 12, e0187597.	1.1	6
40	Morphological analysis of the hagfish heart. I. The ventricle, the arterial connection and the ventral aorta. Journal of Morphology, 2016, 277, 326-340.	0.6	14
41	A case of contagious toxicity? Isoprostanes as potential emerging contaminants of concern. Science of the Total Environment, 2016, 560-561, 295-298.	3.9	7
42	Salinity-dependent nickel accumulation and effects on respiration, ion regulation and oxidative stress in the galaxiid fish, Galaxias maculatus. Environmental Pollution, 2016, 214, 132-141.	3.7	18
43	Iron transport across the skin and gut epithelia of Pacific hagfish: Kinetic characterisation and effect of hypoxia. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 199, 1-7.	0.8	16
44	A model system using confocal fluorescence microscopy for examining real-time intracellular sodium ion regulation. Analytical Biochemistry, 2016, 507, 40-46.	1.1	4
45	Biomarker responses of mussels exposed to earthquake disturbances. Estuarine, Coastal and Shelf Science, 2016, 182, 98-111.	0.9	8
46	Determining the functional role of waterborne amino acid uptake in hagfish nutrition: a constitutive pathway when fasting or a supplementary pathway when feeding?. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 843-853.	0.7	5
47	Morphological analysis of the hagfish heart. II. The venous pole and the pericardium. Journal of Morphology, 2016, 277, 853-865.	0.6	10
48	Salinity-dependent mechanisms of copper toxicity in the galaxiid fish, Galaxias maculatus. Aquatic Toxicology, 2016, 174, 199-207.	1.9	20
49	Mechanisms of Nickel Toxicity in the Highly Sensitive Embryos of the Sea Urchin Evechinus chloroticus, and the Modifying Effects of Natural Organic Matter. Environmental Science & Technology, 2016, 50, 1595-1603.	4.6	26
50	Mechanisms of zinc toxicity in the galaxiid fish, Galaxias maculatus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2016, 179, 184-190.	1.3	26
51	Activity concentrations of 137Caesium and 210Polonium in seafood from fishing regions of New Zealand and the dose assessment for seafood consumers. Journal of Environmental Radioactivity, 2016, 151, 542-550.	0.9	21
52	Natural and anthropogenic radionuclide activity concentrations in theÂNew Zealand diet. Journal of Environmental Radioactivity, 2016, 151, 601-608.	0.9	32
53	Novel Route of Toxicant Exposure in an Ancient Extant Vertebrate: Nickel Uptake by Hagfish Skin and the Modifying Effects of Slime. Environmental Science & Technology, 2015, 49, 1896-1902.	4.6	16
54	Assessment of a mussel as a metal bioindicator of coastal contamination: Relationships between metal bioaccumulation and multiple biomarker responses. Science of the Total Environment, 2015, 511, 663-675.	3.9	89

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55	Differential cadmium resistance of two morphologically distinct types of potato (Solanum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.8	3
56	Making sense of nickel accumulation and sub-lethal toxic effects in saline waters: Fate and effects of nickel in the green crab, Carcinus maenas. Aquatic Toxicology, 2015, 164, 23-33.	1.9	33
57	Effect of salinity on osmoregulation, metabolism and nitrogen excretion in the amphidromous fish, inanga (Galaxias maculatus). Journal of Experimental Marine Biology and Ecology, 2015, 473, 7-15.	0.7	56
58	Multiple environmental stressors increase the realised niche breadth of a forestâ€dwelling fish. Ecography, 2015, 38, 154-162.	2.1	17
59	Physiological and biochemical strategies for withstanding emersion in two galaxiid fishes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 176, 49-58.	0.8	13
60	Development of acute and chronic sediment bioassays with the harpacticoid copepod Quinquelaophonte sp. Ecotoxicology and Environmental Safety, 2014, 99, 82-91.	2.9	15
61	The impacts of stress on sodium metabolism and copper accumulation in a freshwater fish. Aquatic Toxicology, 2014, 147, 41-47.	1.9	17
62	Biochemical biomarker responses of green-lipped mussel, Perna canaliculus, to acute and subchronic waterborne cadmium toxicity. Aquatic Toxicology, 2013, 140-141, 303-313.	1.9	51
63	The skin of fish as a transport epithelium: a review. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 877-891.	0.7	102
64	Differential expression of Na+, K+-ATPase Î±-1 isoforms during seawater acclimation in the amphidromous galaxiid fish Galaxias maculatus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 345-357.	0.7	42
65	Waterborne cadmium impacts immunocytotoxic and cytogenotoxic endpoints in green-lipped mussel, Perna canaliculus. Aquatic Toxicology, 2013, 142-143, 283-293.	1.9	31
66	Field-to-laboratory transport protocol impacts subsequent physiological biomarker response in the marine mussel, Perna canaliculus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 84-90.	0.8	25
67	Influence of pH and natural organic matter on zinc biosorption in a model lignocellulosic biofuel biorefinery effluent. Bioresource Technology, 2013, 146, 169-175.	4.8	8
68	Relationship between Fish Size and Metabolic Rate in the Oxyconforming InangaGalaxias maculatusReveals Size-Dependent Strategies to Withstand Hypoxia. Physiological and Biochemical Zoology, 2013, 86, 740-749.	0.6	45
69	Is the Habitation of Acidic-Water Sanctuaries by Galaxiid Fish Facilitated by Natural Organic Matter Modification of Sodium Metabolism?. Physiological and Biochemical Zoology, 2012, 85, 460-469.	0.6	10
70	Should I stay or should I go?: Physiological, metabolic and biochemical consequences of voluntary emersion upon aquatic hypoxia in the scaleless fish Galaxias maculatus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 1057-1067.	0.7	34
71	Metal biosorption in lignocellulosic biofuel biorefinery effluent: an initial step towards sustainability of water resources. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1345-1356.	1.4	11
72	Impairment of green-lipped mussel (Perna canaliculus) physiology by waterborne cadmium: Relationship to tissue bioaccumulation and effect of exposure duration. Aquatic Toxicology, 2012, 124-125, 114-124.	1.9	52

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73	Development of a harpacticoid copepod bioassay: Selection of species and relative sensitivity to zinc, atrazine and phenanthrene. Ecotoxicology and Environmental Safety, 2012, 80, 363-371.	2.9	28
74	A novel oxyconforming response in the freshwater fish Galaxias maculatus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 161, 301-306.	0.8	29
75	Zinc Hyperaccumulation in Squirrelfish (Holocentrus adscenscionis) and Its Role in Embryo Viability. PLoS ONE, 2012, 7, e46127.	1.1	13
76	Leap of faith: Voluntary emersion behaviour and physiological adaptations to aerial exposure in a non-aestivating freshwater fish in response to aquatic hypoxia. Physiology and Behavior, 2011, 103, 240-247.	1.0	47
77	Cerebral gene expression in response to single or combined gestational exposure to methylmercury and selenium through the maternal diet. Cell Biology and Toxicology, 2011, 27, 181-197.	2.4	14
78	Cerebral gene expression and neurobehavioural development after perinatal exposure to an environmentally relevant polybrominated diphenylether (BDE47). Cell Biology and Toxicology, 2011, 27, 343-61.	2.4	8
79	Characterisation of l-alanine and glycine absorption across the gut of an ancient vertebrate. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 765-771.	0.7	15
80	Adaptations toin situfeeding: novel nutrient acquisition pathways in an ancient vertebrate. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3096-3101.	1.2	47
81	Digestion under Duress: Nutrient Acquisition and Metabolism during Hypoxia in the Pacific Hagfish. Physiological and Biochemical Zoology, 2011, 84, 607-617.	0.6	20
82	The influence of salinity on copper accumulation and its toxic effects in estuarine animals with differing osmoregulatory strategies. Aquatic Toxicology, 2010, 99, 65-72.	1.9	59
83	Feeding, digestion and absorption of nutrients. Fish Physiology, 2010, 30, 57-110.	0.2	90
84	Methylmercury Speciation Influences Brain Gene Expression and Behavior in Gestationally-Exposed Mice Pups. Toxicological Sciences, 2009, 110, 389-400.	1.4	43
85	Does selenium modify neurobehavioural impacts of developmental methylmercury exposure in mice?. Environmental Toxicology and Pharmacology, 2009, 28, 111-119.	2.0	20
86	Histidine Absorption across Apical Surfaces of Freshwater Rainbow Trout Intestine: Mechanistic Characterization and the Influence of Copper. Journal of Membrane Biology, 2008, 221, 87-95.	1.0	26
87	Absorption of copper and copperâ€“histidine complexes across the apical surface of freshwater rainbow trout intestine. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2008, 178, 101-109.	0.7	29
88	Accumulation and elimination kinetics of dietary endosulfan in Atlantic salmon (Salmo salar). Aquatic Toxicology, 2008, 86, 104-111.	1.9	27
89	Regulation of branchial zinc uptake by 1Î±,25-(OH)2D3 in rainbow trout and associated changes in expression of ZIP1 and ECaC. Aquatic Toxicology, 2007, 84, 142-152.	1.9	23
90	Assessing the sensitivity of Atlantic salmon (Salmo salar) to dietary endosulfan exposure using tissue biochemistry and histology. Aquatic Toxicology, 2007, 84, 346-355.	1.9	59

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91	Cellular and Molecular Approaches to the Investigation of Piscine Osmoregulation. , 2007, , 177-234.		3
92	Sensitivity of Atlantic salmon (Salmo salar) to dietary endosulfan as assessed by haematology, blood biochemistry, and growth parameters. Aquatic Toxicology, 2006, 80, 207-216.	1.9	49
93	Characterization of Ni transport into brush border membrane vesicles (BBMVs) isolated from the kidney of the freshwater rainbow trout (Oncorhynchus mykiss). Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 74-84.	1.4	16
94	HETEROGENEITY OF NATURAL ORGANIC MATTER AMELIORATION OF SILVER TOXICITY TO DAPHNIA MAGNA: EFFECT OF SOURCE AND EQUILIBRATION TIME. Environmental Toxicology and Chemistry, 2005, 24, 2934.	2.2	30
95	HETEROGENEITY IN PHYSICOCHEMICAL PROPERTIES EXPLAINS DIFFERENCES IN SILVER TOXICITY AMELIORATION BY NATURAL ORGANIC MATTER TO DAPHNIA MAGNA. Environmental Toxicology and Chemistry, 2005, 24, 2941.	2.2	28
96	CALCIUM/CADMIUM INTERACTIONS AT UPTAKE SURFACES IN RAINBOW TROUT: WATERBORNE VERSUS DIETARY ROUTES OF EXPOSURE. Environmental Toxicology and Chemistry, 2005, 24, 2954.	2.2	111
97	Physiological characterisation of a pH- and calcium-dependent sodium uptake mechanism in the freshwater crustacean, Daphnia magna. Journal of Experimental Biology, 2005, 208, 951-959.	0.8	39
98	Humic Substances Influence Sodium Metabolism in the Freshwater Crustacean Daphnia magna. Physiological and Biochemical Zoology, 2005, 78, 405-416.	0.6	53
99	Accumulation and elimination of silver in Daphnia magna and the effect of natural organic matter. Aquatic Toxicology, 2005, 73, 406-417.	1.9	27
100	The Disruption of Daphnia magna Sodium Metabolism by Humic Substances: Mechanism of Action and Effect of Humic Substance Source. Physiological and Biochemical Zoology, 2005, 78, 1005-1016.	0.6	48
101	Dogmas and controversies in the handling of nitrogenous wastes: The effect of feeding and fasting on the excretion of ammonia, urea and other nitrogenous waste products in rainbow trout. Journal of Experimental Biology, 2004, 207, 1993-2002.	0.8	83
102	Physiological interactions of silver and humic substances in Daphnia magna: effects on reproduction and silver accumulation following an acute silver challenge. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 139, 273-280.	1.3	11
103	Intestinal zinc uptake in freshwater rainbow trout: evidence for apical pathways associated with potassium efflux and modified by calcium. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1663, 214-221.	1.4	15
104	Nutritive metal uptake in teleost fish. Journal of Experimental Biology, 2003, 206, 11-23.	0.8	407
105	Zinc uptake across the apical membrane of freshwater rainbow trout intestine is mediated by high affinity, low affinity, and histidine-facilitated pathways. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1614, 211-219.	1.4	53
106	Effects of dissolved metals and other hydrominerals on in vivo intestinal zinc uptake in freshwater rainbow trout. Aquatic Toxicology, 2003, 62, 281-293.	1.9	43
107	Intestinal Zinc Uptake in Two Marine Teleosts, Squirrelfish (Holocentrus adscensionis) and Gulf Toadfish (Opsanus beta). Physiological and Biochemical Zoology, 2003, 76, 321-330.	0.6	20
108	Application of genomics and proteomics for study of the integrated response to zinc exposure in a non-model fish species, the rainbow trout. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 133, 523-535.	0.7	120

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109	In vivocharacterisation of intestinal zinc uptake in freshwater rainbow trout. Journal of Experimental Biology, 2002, 205, 141-150.	0.8	84
110	Amino acid modulation of in vivo intestinal zinc absorption in freshwater rainbow trout. Journal of Experimental Biology, 2002, 205, 151-158.	0.8	73
111	In vivo characterisation of intestinal zinc uptake in freshwater rainbow trout. Journal of Experimental Biology, 2002, 205, 141-50.	0.8	59
112	Amino acid modulation of in vivo intestinal zinc absorption in freshwater rainbow trout. Journal of Experimental Biology, 2002, 205, 151-8.	0.8	46
113	Population responses of the pulmonate gastropod, Amphibola crenata, reflect estuarine trace metal contamination. New Zealand Journal of Marine and Freshwater Research, 0, , 1-12.	0.8	2