

Peter G C Campbell

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215
papers

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52
h-index

125
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220
ext. papers

17,837
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
215	Sequential extraction procedure for the speciation of particulate trace metals. <i>Analytical Chemistry</i> , 1979 , 51, 844-851	7.8	7956
214	Acidification and Toxicity of Metals to Aquatic Biota. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985 , 42, 2034-2049	2.4	363
213	Partitioning of trace metals in sediments: Relationships with bioavailability. <i>Hydrobiologia</i> , 1987 , 149, 43-52	2.4	282
212	Potential artifacts in the determination of metal partitioning in sediments by a sequential extraction procedure. <i>Environmental Science & Technology</i> , 1986 , 20, 836-40	10.3	275
211	The biotic ligand model: a historical overview. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002 , 133, 3-35	3.2	235
210	Relationships between the Partitioning of Trace Metals in Sediments and Their Accumulation in the Tissues of the Freshwater Mollusc <i>Elliptio complanata</i> in a Mining Area. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1984 , 41, 1463-1472	2.4	224
209	Accumulation of natural organic matter on the surfaces of living cells: implications for the interaction of toxic solutes with aquatic biota. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1997 , 54, 2543-2554	2.4	203
208	Trace metal speciation in the Yamaska and St. Franis Rivers (Quebec). <i>Canadian Journal of Earth Sciences</i> , 1980 , 17, 90-105	1.5	172
207	Permeability Changes in Model and Phytoplankton Membranes in the Presence of Aquatic Humic Substances. <i>Environmental Science & Technology</i> , 2000 , 34, 3907-3913	10.3	165
206	Seasonal variation in carbohydrate and lipid metabolism of yellow perch (<i>Perca flavescens</i>) chronically exposed to metals in the field. <i>Aquatic Toxicology</i> , 2002 , 60, 257-67	5.1	151
205	Particulate trace metal speciation in stream sediments and relationships with grain size: Implications for geochemical exploration. <i>Journal of Geochemical Exploration</i> , 1982 , 16, 77-104	3.8	124
204	Speciation of aluminum in acidic freshwaters. <i>Analytical Chemistry</i> , 1983 , 55, 2246-2252	7.8	123
203	The effects of acidification on the geochemistry of Al, Cd, Pb and Hg in freshwater environments: a literature review. <i>Environmental Pollution</i> , 1991 , 71, 91-130	9.3	117
202	Steady-state distribution of metals among metallothionein and other cytosolic ligands and links to cytotoxicity in bivalves living along a polymetallic gradient. <i>Aquatic Toxicology</i> , 2003 , 64, 185-200	5.1	116
201	Sub-cellular partitioning of cadmium, copper, nickel and zinc in indigenous yellow perch (<i>Perca flavescens</i>) sampled along a polymetallic gradient. <i>Aquatic Toxicology</i> , 2006 , 77, 178-89	5.1	111
200	ZINC ADSORPTION AND TRANSPORT BY CHLAMYDOMONAS VARUIABILIS AND SCENEDESMUS SUBSPICATUS (CHLOROPHYCEAE) GROWN IN SEMICONTINUOUS CULTURE1. <i>Journal of Phycology</i> , 1982 , 18, 521-529	3	106
199	Silver uptake by the green alga <i>Chlamydomonas reinhardtii</i> in relation to chemical speciation: Influence of chloride. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2769-2778	3.8	105

198	Modeling Cd partitioning in oxic lake sediments and Cd concentrations in the freshwater bivalve <i>Anodonta grandis</i> . <i>Limnology and Oceanography</i> , 1993 , 38, 1-17	4.8	104
197	Cadmium detoxification strategies in two phytoplankton species: metal binding by newly synthesized thiolated peptides and metal sequestration in granules. <i>Aquatic Toxicology</i> , 2009 , 92, 65-75	5.1	98
196	Influences of Natural Dissolved Organic Matter on the Interaction of Aluminum with the Microalga <i>Chlorella</i> : A Test of the Free-Ion Model of Trace Metal Toxicity. <i>Environmental Science & Technology</i> , 1996 , 30, 1713-1720	10.3	97
195	Metal bioavailability to phytoplankton--applicability of the biotic ligand model. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002 , 133, 189-206	3.2	92
194	Dynamics of Cd, Cu and Zn accumulation in organs and sub-cellular fractions in field transplanted juvenile yellow perch (<i>Perca flavescens</i>). <i>Environmental Pollution</i> , 2005 , 138, 324-37	9.3	88
193	Cadmium-handling strategies in two chronically exposed indigenous freshwater organisms--the yellow perch (<i>Perca flavescens</i>) and the floater mollusc (<i>Pyganodon grandis</i>). <i>Aquatic Toxicology</i> , 2005 , 72, 83-97	5.1	88
192	Influence of a low molecular weight metabolite (citrate) on the toxicity of cadmium and zinc to the unicellular green alga <i>Selenastrum Capricornutum</i> : An exception to the free-ion model. <i>Water Research</i> , 1998 , 32, 419-429	12.5	86
191	Influence of lake chemistry and fish age on cadmium, copper, and zinc concentrations in various organs of indigenous yellow perch (<i>Perca flavescens</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004 , 61, 1702-1716	2.4	84
190	Response of metallothionein concentrations in a freshwater bivalve (<i>Anodonta grandis</i>) along an environmental cadmium gradient. <i>Limnology and Oceanography</i> , 1993 , 38, 299-313	4.8	81
189	Potential for mercury reduction by microbes in the high arctic. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 2230-8	4.8	80
188	Kinetics of heavy metal bioleaching from sewage sludge-- Effects of process parameters. <i>Water Research</i> , 1993 , 27, 1641-1651	12.5	80
187	Comments on the testing of the accuracy of an extraction procedure for determining the partitioning of trace metals in sediments. <i>Analytical Chemistry</i> , 1988 , 60, 1475-1476	7.8	80
186	Contrasting effects of chloride on the toxicity of silver to two green algae, <i>Pseudokirchneriella subcapitata</i> and <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2005 , 75, 127-35	5.1	78
185	Cadmium--A Priority Pollutant. <i>Environmental Chemistry</i> , 2006 , 3, 387	3.2	77
184	Thiosulfate enhances silver uptake by a green alga: role of anion transporters in metal uptake. <i>Environmental Science & Technology</i> , 2001 , 35, 2214-8	10.3	75
183	Interactions between mercury and phytoplankton: speciation, bioavailability, and internal handling. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1211-24	3.8	73
182	Gut Sediments in a Burrowing Mayfly (Ephemeroptera, <i>Hexagenia limbata</i>): Their Contribution to Animal Trace Element Burdens, Their Removal, and the Efficacy of a Correction for Their Presence. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989 , 46, 451-456	2.4	73
181	When are metal complexes bioavailable?. <i>Environmental Chemistry</i> , 2016 , 13, 425	3.2	71

180	Sub-cellular partitioning of Cd, Cu and Zn in tissues of indigenous unionid bivalves living along a metal exposure gradient and links to metal-induced effects. <i>Environmental Pollution</i> , 2005 , 135, 195-208 ^{9.3}	68
179	Toxicity of silver to two freshwater algae, <i>Chlamydomonas reinhardtii</i> and <i>Pseudokirchneriella sub-capitata</i> , grown under continuous culture conditions: influence of thiosulphate. <i>Aquatic Toxicology</i> , 2006 , 78, 136-48	5.1 68
178	Microscopic observations of the iron plaque of a submerged aquatic plant (<i>Vallisneria americana</i> Michx). <i>Aquatic Botany</i> , 1993 , 46, 155-167	1.8 66
177	Dynamics of Cadmium, Lead, and Zinc Exchange between Nymphs of the Burrowing Mayfly <i>Hexagenia rigida</i> (Ephemeroptera) and the Environment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991 , 48, 39-47	2.4 65
176	Field transplantation of a freshwater bivalve, <i>Pyganodon grandis</i> , across a metal contamination gradient. I. Temporal changes in metallothionein and metal (Cd, Cu, and Zn) concentrations in soft tissues. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995 , 52, 690-702	2.4 62
175	Metals (Fe, Mn, Zn) in the root plaque of submerged aquatic plants collected in situ: Relations with metal concentrations in the adjacent sediments and in the root tissue. <i>Biogeochemistry</i> , 1996 , 33, 45	3.8 62
174	UPTAKE OF CADMIUM BY FRESHWATER GREEN ALGAE: EFFECTS OF PH AND AQUATIC HUMIC SUBSTANCES ¹ . <i>Journal of Phycology</i> , 2005 , 41, 55-61	3 60
173	Field transplantation of a freshwater bivalve, <i>Pyganodon grandis</i> , across a metal contamination gradient. II. Metallothionein response to Cd and Zn exposure, evidence for cytotoxicity, and links to effects at higher levels of biological organization. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995 , 52, 703-715	2.4 60
172	Aluminum bioavailability to the green alga <i>Chlorella pyrenoidosa</i> in acidified synthetic soft water. <i>Environmental Toxicology and Chemistry</i> , 1994 , 13, 587-598	3.8 60
171	Cadmium accumulation and metallothionein synthesis in freshwater bivalves (<i>Pyganodon grandis</i>): relative influence of the metal exposure gradient versus limnological variability. <i>Environmental Pollution</i> , 2002 , 118, 5-17	9.3 59
170	Sub-cellular partitioning of metals (Cd, Cu, Zn) in the gills of a freshwater bivalve, <i>Pyganodon grandis</i> : role of calcium concretions in metal sequestration. <i>Aquatic Toxicology</i> , 2005 , 71, 319-34	5.1 58
169	Differentiating Between Direct (Physiological) and Food-Chain Mediated (Bioenergetic) Effects on Fish in Metal-Impacted Lakes. <i>Human and Ecological Risk Assessment (HERA)</i> , 2003 , 9, 847-866	4.9 57
168	Transcriptional responses to environmental metal exposure in wild yellow perch (<i>Perca flavescens</i>) collected in lakes with differing environmental metal concentrations (Cd, Cu, Ni). <i>Ecotoxicology</i> , 2009 , 18, 620-31	2.9 56
167	CADMIUM AND ZINC BIOAVAILABILITY TO SELENASTRUM CAPRICORNUTUM (CHLOROPHYCEAE): ACCIDENTAL METAL UPTAKE AND TOXICITY IN THE PRESENCE OF CITRATE. <i>Journal of Phycology</i> , 2000 , 36, 473-483	3 55
166	Evolutionary ecotoxicology of wild yellow perch (<i>Perca flavescens</i>) populations chronically exposed to a polymetallic gradient. <i>Aquatic Toxicology</i> , 2008 , 86, 76-90	5.1 54
165	Trace Element Distributions in Aquatic Insects: Variations among Genera, Elements, and Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991 , 48, 1481-1491	2.4 54
164	Effects of chronic metal exposure on wild fish populations revealed by high-throughput cDNA sequencing. <i>Ecotoxicology</i> , 2011 , 20, 1388-99	2.9 53
163	An Ion-Exchange Technique for Free-Metal Ion Measurements (Cd ²⁺ Zn ²⁺): Applications to Complex Aqueous Media. <i>International Journal of Environmental Analytical Chemistry</i> , 1998 , 72, 173-194 ^{1.8}	1.8 52

162	Metal-induced stress in bivalves living along a gradient of Cd contamination: relating sub-cellular metal distribution to population-level responses. <i>Aquatic Toxicology</i> , 2004 , 69, 327-45	5.1	52
161	Coupling the use of computer chemical speciation models and culture techniques in laboratory investigations of trace metal toxicity. <i>Chemical Speciation and Bioavailability</i> , 2001 , 13, 9-24		52
160	Accumulation of Copper and Zinc in the Yellow Water Lily, <i>Nuphar variegatum</i> : Relationships to Metal Partitioning in the Adjacent Lake Sediments. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985 , 42, 23-32	2.4	52
159	Metal bioaccumulation and oxidative stress in yellow perch (<i>Perca flavescens</i>) collected from eight lakes along a metal contamination gradient (Cd, Cu, Zn, Ni). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005 , 62, 563-577	2.4	51
158	Passive sampling methods for contaminated sediments: state of the science for metals. <i>Integrated Environmental Assessment and Management</i> , 2014 , 10, 179-96	2.5	50
157	pH modulates transport rates of manganese and cadmium in the green alga <i>Chlamydomonas reinhardtii</i> through non-competitive interactions: implications for an algal BLM. <i>Aquatic Toxicology</i> , 2007 , 84, 123-32	5.1	50
156	Mercury distribution, partitioning and speciation in coastal vs. inland High Arctic snow. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 3419-3431	5.5	49
155	Effect of Fluoride Complexation on Aluminum Toxicity Towards Juvenile Atlantic Salmon (<i>Salmo salar</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1990 , 47, 1446-1452	2.4	47
154	Caco-2 cell line used as an in vitro model to study cadmium accumulation in intestinal epithelial cells. <i>Journal of Membrane Biology</i> , 1997 , 158, 31-48	2.3	46
153	Cadmium uptake by Caco-2 cells: effects of Cd complexation by chloride, glutathione, and phytochelatin. <i>Toxicology and Applied Pharmacology</i> , 2001 , 170, 29-38	4.6	46
152	Possible mechanisms of aluminum toxicity in a dilute, acidic environment to fingerlings and older life stages of salmonids. <i>Water, Air, and Soil Pollution</i> , 1988 , 42, 311	2.6	46
151	Geochemical changes in sulfidic mine tailings stored under a shallow water cover. <i>Water Research</i> , 2001 , 35, 1066-76	12.5	45
150	Geochemistry of Quebec North Shore Salmon Rivers during Snowmelt: Organic Acid Pulse and Aluminum Mobilization. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992 , 49, 1938-1952	2.4	45
149	The clearwater consensus: the estimation of metal hazard in fresh water. <i>International Journal of Life Cycle Assessment</i> , 2010 , 15, 143-147	4.6	43
148	Surface complexation of aluminum on isolated fish gill cells. <i>Environmental Science & Technology</i> , 1993 , 27, 1132-1138	10.3	43
147	Biological and chemical redox transformations of mercury in fresh and salt waters of the high arctic during spring and summer. <i>Environmental Science & Technology</i> , 2007 , 41, 1883-8	10.3	42
146	The biotic ligand model can successfully predict the uptake of a trivalent ion by a unicellular alga below pH 6.50 but not above: possible role of hydroxo-species. <i>Environmental Science & Technology</i> , 2013 , 47, 2408-15	10.3	41
145	Temporal variations of trace metals in aquatic insects. <i>Freshwater Biology</i> , 1992 , 27, 13-27	3.1	41

144	Determination of Free Cd, Cu and Zn Concentrations in Lake Waters by In Situ Diffusion Followed by Column Equilibration Ion-exchange. <i>Aquatic Geochemistry</i> , 2010 , 16, 151-172	1.7	40
143	Subcellular Distribution of Cadmium and Nickel in Chronically Exposed Wild Fish: Inferences Regarding Metal Detoxification Strategies and Implications for Setting Water Quality Guidelines for Dissolved Metals. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008 , 14, 290-316	4.9	40
142	Decreased toxicity of Al to Juvenile Atlantic salmon (<i>Salmo salar</i>) in acidic soft water containing natural organic matter: A test of the free-ion model. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 1962-1969	3.8	39
141	Seasonal variations in hepatic Cd and Cu concentrations and in the sub-cellular distribution of these metals in juvenile yellow perch (<i>Perca flavescens</i>). <i>Environmental Pollution</i> , 2006 , 142, 313-25	9.3	38
140	GROWTH STIMULATION OF ALEXANDRIUM TAMARENSE (DINOPHYCEAE) BY HUMIC SUBSTANCES FROM THE MANICOUAGAN RIVER (EASTERN CANADA)1. <i>Journal of Phycology</i> , 2005 , 41, 489-497	3	38
139	Extending the biotic ligand model to account for positive and negative feedback interactions between cadmium and zinc in a freshwater alga. <i>Environmental Science & Technology</i> , 2012 , 46, 12129-36	10.3	37
138	Subcellular partitioning of cadmium in the freshwater bivalve, <i>Pyganodon grandis</i> , after separate short-term exposures to waterborne or diet-borne metal. <i>Aquatic Toxicology</i> , 2010 , 100, 303-12	5.1	37
137	Trace metal speciation predictions in natural aquatic systems: incorporation of dissolved organic matter (DOM) spectroscopic quality. <i>Environmental Chemistry</i> , 2012 , 9, 356	3.2	36
136	Direct and Indirect (Foodweb Mediated) Effects of Metal Exposure on the Growth of Yellow Perch (<i>Perca flavescens</i>): Implications for Ecological Risk Assessment. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008 , 14, 317-350	4.9	36
135	Linking changes in subcellular cadmium distribution to growth and mortality rates in transplanted freshwater bivalves (<i>Pyganodon grandis</i>). <i>Aquatic Toxicology</i> , 2006 , 79, 87-98	5.1	36
134	Evolutionary change driven by metal exposure as revealed by coding SNP genome scan in wild yellow perch (<i>Perca flavescens</i>). <i>Ecotoxicology</i> , 2013 , 22, 938-57	2.9	35
133	Critical loads of metals and other trace elements to terrestrial environments. <i>Environmental Science & Technology</i> , 2007 , 41, 6326-31	10.3	34
132	Long-term trends in accumulated metals (Cd, Cu and Zn) and metallothionein in bivalves from lakes within a smelter-impacted region. <i>Science of the Total Environment</i> , 2006 , 369, 403-18	10.2	34
131	Hydroponic Study of Aluminum Accumulation by Aquatic Plants: Effects of Fluoride and pH. <i>Water, Air, and Soil Pollution</i> , 2004 , 153, 135-155	2.6	33
130	Kinetics of heavy metal bioleaching from sewage sludgeIII. Temperature effects. <i>Water Research</i> , 1994 , 28, 2367-2375	12.5	33
129	Mercury accumulation in the burrowing mayfly <i>hexagenia rigida</i> (ephemeroptera) exposed to CH3 HgCl or HgCl2 in water and sediment. <i>Water Research</i> , 1993 , 27, 1041-1048	12.5	33
128	How does exposure to nickel and cadmium affect the transcriptome of yellow perch (<i>Perca flavescens</i>)--results from a 1000 candidate-gene microarray. <i>Aquatic Toxicology</i> , 2013 , 142-143, 355-64	5.1	32
127	Influence of essential elements on cadmium uptake and toxicity in a unicellular green alga: the protective effect of trace zinc and cobalt concentrations. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1445-52	3.8	32

126	Physiological correlates of growth and condition in the yellow perch (<i>Perca flavescens</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008 , 151, 526-32 ⁶	32
125	Survival time modeling of exposure of juvenile atlantic salmon (<i>Salmo salar</i>) to mixtures of aluminum and zinc in soft water at low pH. <i>Aquatic Toxicology</i> , 1995 , 33, 155-176	5.1 30
124	Aluminum bioconcentration at the gill surface of juvenile Atlantic salmon in acidic media. <i>Environmental Toxicology and Chemistry</i> , 1993 , 12, 2083-2095	3.8 30
123	Spatial Variation in the Optical Properties of Dissolved Organic Matter (DOM) in Lakes on the Canadian Precambrian Shield and Links to Watershed Characteristics. <i>Aquatic Geochemistry</i> , 2012 , 18, 21-44	1.7 29
122	Subcellular metal partitioning in larvae of the insect Chaoborus collected along an environmental metal exposure gradient (Cd, Cu, Ni and Zn). <i>Aquatic Toxicology</i> , 2012 , 120-121, 67-78	5.1 29
121	Phytoremediation of effluents from aluminum smelters: a study of Al retention in mesocosms containing aquatic plants. <i>Water Research</i> , 2005 , 39, 2291-300	12.5 29
120	A field study examining metal elimination kinetics in juvenile yellow perch (<i>Perca flavescens</i>). <i>Aquatic Toxicology</i> , 2005 , 75, 108-26	5.1 29
119	Evaluation of the role of submerged plant beds in the metal budget of a fluvial lake. <i>Hydrobiologia</i> , 1994 , 291, 141-156	2.4 29
118	Silver binding by humic acid as determined by equilibrium ion-exchange and dialysis. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 6532-9	2.8 28
117	Cell homogenization and subcellular fractionation in two phytoplanktonic algae: implications for the assessment of metal subcellular distributions. <i>Limnology and Oceanography: Methods</i> , 2009 , 7, 277-286 ⁶	2.6 28
116	Regeneration, recycling, and trophic transfer of trace metals by microbial food-web organisms in the pelagic surface waters of Lake Erie. <i>Limnology and Oceanography</i> , 1996 , 41, 1425-1437	4.8 28
115	Effect of sulfur concentration on sludge acidification during the SSDML process. <i>Water Research</i> , 1996 , 30, 2728-2738	12.5 28
114	Subcellular partitioning of non-essential trace metals (Ag, As, Cd, Ni, Pb, and Tl) in livers of American (<i>Anguilla rostrata</i>) and European (<i>Anguilla anguilla</i>) yellow eels. <i>Aquatic Toxicology</i> , 2015 , 160, 128-41	5.1 27
113	Disruption of the hypothalamo-pituitary-interrenal axis in 1+ yellow perch (<i>Perca flavescens</i>) chronically exposed to metals in the environment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005 , 62, 982-990	2.4 27
112	Uptake of hydrophobic metal complexes by three freshwater algae: unexpected influence of pH. <i>Environmental Science & Technology</i> , 2009 , 43, 3308-14	10.3 26
111	Simultaneous sewage sludge digestion and metal leaching using an internal loop reactor. <i>Water Research</i> , 1997 , 31, 2638-2654	12.5 26
110	Evidence for an intracellular barrier to cadmium transport through Caco-2 cell monolayers. <i>Journal of Cellular Physiology</i> , 1999 , 180, 285-97	7 26
109	Zinc/Phosphorus Interactions and Variation in Zinc Accumulation during Growth of <i>Chlamydomonas variabilis</i> (Chlorophyceae) in Batch Culture. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1985 , 42, 86-94	2.4 26

108	Waterborne cadmium and nickel impact oxidative stress responses and retinoid metabolism in yellow perch. <i>Aquatic Toxicology</i> , 2014 , 154, 207-20	5.1	25
107	The effect of pH on iron and manganese uptake by a green alga. <i>Limnology and Oceanography</i> , 1988 , 33, 538-550	4.8	25
106	Allylic and homoallylic oxidation of cyclohexene and cyclohexene-3,3,6,6-d4 by palladium(II) salts. Evidence for competing "symmetrical" and oxypalladation intermediates. <i>Journal of the American Chemical Society</i> , 1971 , 93, 1497-1499	16.4	25
105	Subcellular distribution of trace elements and liver histology of landlocked Arctic char (<i>Salvelinus alpinus</i>) sampled along a mercury contamination gradient. <i>Environmental Pollution</i> , 2016 , 212, 574-583	9.3	24
104	Cadmium accumulation and toxicity in the unicellular alga <i>Pseudokirchneriella subcapitata</i> : Influence of metal-binding exudates and exposure time. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1524-32	3.8	24
103	Influence of chloride on silver uptake by two green algae, <i>Pseudokirchneriella subcapitata</i> and <i>Chlorella pyrenoidosa</i> . <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 1012-8	3.8	24
102	. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 1962	3.8	24
101	Kinetics of heavy metal bioleaching from sewage sludge. Mathematical model. <i>Water Research</i> , 1993 , 27, 1653-1661	12.5	23
100	THE INFLUENCE OF pH ON ALGAL CELL MEMBRANE PERMEABILITY AND ITS IMPLICATIONS FOR THE UPTAKE OF LIPOPHILIC METAL COMPLEXES(1). <i>Journal of Phycology</i> , 2012 , 48, 293-302	3	22
99	A comparison of metal concentrations in the tissues of yellow American eel (<i>Anguilla rostrata</i>) and European eel (<i>Anguilla anguilla</i>). <i>Science of the Total Environment</i> , 2016 , 569-570, 1435-1445	10.2	22
98	Assessment of a subcellular metal partitioning protocol for aquatic invertebrates: preservation, homogenization, and subcellular fractionation. <i>Limnology and Oceanography: Methods</i> , 2014 , 12, 507-518	2.6	21
97	Acidification increases mercury uptake by a freshwater alga, <i>Chlamydomonas reinhardtii</i> . <i>Environmental Chemistry</i> , 2011 , 8, 612	3.2	21
96	Metallothionein-like metal-binding protein in the biomonitor <i>Chaoborus</i> : Occurrence and relationship to ambient metal concentrations in lakes. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 737-741	3.8	21
95	Uptake of Neutral Metal Complexes by a Green Alga: Influence of pH and Humic Substances. <i>Australian Journal of Chemistry</i> , 2004 , 57, 931	1.2	21
94	Trace metals in submerged plants of the St. Lawrence River. <i>Canadian Journal of Botany</i> , 1994 , 72, 429-439		21
93	Abiotic and Seasonal Factors Influencing Trace Metal Levels (Cd, Cu, Ni, Pb, and Zn) in the Freshwater Amphipod <i>Gammarus fasciatus</i> in Two Fluvial Lakes of the St. Lawrence River. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994 , 51, 2003-2016	2.4	21
92	Critical evaluation of the copper(II) solubilization method for the determination of the complexation capacity of natural waters. <i>Analytical Chemistry</i> , 1977 , 49, 2358-2363	7.8	21
91	Allylic and homoallylic oxidation of cyclohexene by palladium(II) salts. Solvolytic behavior of possible organopalladium intermediates. <i>Journal of the American Chemical Society</i> , 1971 , 93, 1499-1501	16.4	21

90	CYCLOHEXENE-3,3,6,6-d4 A USEFUL COMPOUND FOR THE STUDY OF MECHANISM AND STRUCTURE. <i>Canadian Journal of Chemistry</i> , 1965 , 43, 1184-1198	0.9	21
89	Aluminum effects on marine phytoplankton: implications for a revised Iron Hypothesis (Iron-Aluminum Hypothesis). <i>Biogeochemistry</i> , 2018 , 139, 123-137	3.8	20
88	Different transport mechanisms for cadmium and mercury in Caco-2 cells: inhibition of Cd uptake by Hg without evidence for reciprocal effects. <i>Toxicology and Applied Pharmacology</i> , 2003 , 189, 56-67	4.6	20
87	Variation in Zinc Adsorption and Transport During Growth of <i>Chlamydomonas variabilis</i> (Chlorophyceae) in Batch Culture with Daily Addition of Zinc. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1983 , 40, 895-904	2.4	20
86	. <i>Environmental Toxicology and Chemistry</i> , 1994 , 13, 587	3.8	20
85	Subcellular partitioning of metals and metalloids (As, Cd, Cu, Se and Zn) in liver and gonads of wild white suckers (<i>Catostomus commersonii</i>) collected downstream from a mining operation. <i>Aquatic Toxicology</i> , 2018 , 202, 105-116	5.1	19
84	Influence of a step-change in metal exposure (Cd, Cu, Zn) on metal accumulation and subcellular partitioning in a freshwater bivalve, <i>Pyganodon grandis</i> : a long-term transplantation experiment between lakes with contrasting ambient metal levels. <i>Aquatic Toxicology</i> , 2013 , 132-133, 73-83	5.1	18
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