

Wenxiong Wang

List of Publications by Year in descending order

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461
papers

19,320
citations

13865

67
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104
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462
all docs

462
docs citations

462
times ranked

12547
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace metal contamination in estuarine and coastal environments in China. <i>Science of the Total Environment</i> , 2012, 421-422, 3-16.	8.0	663
2	Interactions of trace metals and different marine food chains. <i>Marine Ecology - Progress Series</i> , 2002, 243, 295-309.	1.9	438
3	Kinetic determinations of trace element bioaccumulation in the mussel <i>Mytilus edulis</i> . <i>Marine Ecology - Progress Series</i> , 1996, 140, 91-113.	1.9	353
4	Assimilation efficiencies of chemical contaminants in aquatic invertebrates: A synthesis. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2034-2045.	4.3	331
5	Trace element trophic transfer in aquatic organisms: A critique of the kinetic model approach. <i>Science of the Total Environment</i> , 1998, 219, 117-135.	8.0	317
6	Delineating metal accumulation pathways for marine invertebrates. <i>Science of the Total Environment</i> , 1999, 237-238, 459-472.	8.0	238
7	Assimilation of trace elements and carbon by the mussel <i>Mytilus edulis</i> : Effects of food composition. <i>Limnology and Oceanography</i> , 1996, 41, 197-207.	3.1	202
8	Comparison of acute and chronic toxicity of silver nanoparticles and silver nitrate to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 885-892.	4.3	200
9	Accumulation of trace elements in a marine copepod. <i>Limnology and Oceanography</i> , 1998, 43, 273-283.	3.1	175
10	Biokinetic Uptake and Efflux of Silver Nanoparticles in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2010, 44, 7699-7704.	10.0	154
11	The distribution and speciation of trace metals in surface sediments from the Pearl River Estuary and the Daya Bay, Southern China. <i>Marine Pollution Bulletin</i> , 2010, 60, 1364-1371.	5.0	147
12	Uptake and Elimination Routes of Inorganic Mercury and Methylmercury in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2004, 38, 808-816.	10.0	145
13	Accumulation and partitioning of seven trace metals in mangroves and sediment cores from three estuarine wetlands of Hainan Island, China. <i>Journal of Hazardous Materials</i> , 2011, 190, 631-638.	12.4	145
14	Bioaccessibility of essential and non-essential metals in commercial shellfish from Western Europe and Asia. <i>Food and Chemical Toxicology</i> , 2008, 46, 2010-2022.	3.6	144
15	Accumulation and Retention of Metals in Mussels from Food and Water: A Comparison under Field and Laboratory Conditions. <i>Environmental Science & Technology</i> , 1996, 30, 3232-3242.	10.0	142
16	Subcellular Partitioning and the Prediction of Cadmium Toxicity to Aquatic Organisms. <i>Environmental Chemistry</i> , 2006, 3, 395.	1.5	139
17	Importance of surface coatings and soluble silver in silver nanoparticles toxicity to <i>Daphnia magna</i> . <i>Nanotoxicology</i> , 2012, 6, 361-370.	3.0	135
18	Bioaccumulation kinetics and exposure pathways of inorganic mercury and methylmercury in a marine fish, the sweetlips <i>Plectorhinchus gibbosus</i> . <i>Marine Ecology - Progress Series</i> , 2003, 261, 257-268.	1.9	134

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19	COMPARISON OF Cd, Cu, AND Zn TOXIC EFFECTS ON FOUR MARINE PHYTOPLANKTON BY PULSE-AMPLITUDE-MODULATED FLUOROMETRY. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2603.	4.3	133
20	Assimilation of trace elements ingested by the mussel <i>Mytilus edulis</i> : effects of algal food abundance. <i>Marine Ecology - Progress Series</i> , 1995, 129, 165-176.	1.9	131
21	Bioavailability of Cr(III) and Cr(VI) to Marine Mussels from Solute and Particulate Pathways. <i>Environmental Science & Technology</i> , 1997, 31, 603-611.	10.0	130
22	Influence of metal exposure history on trace metal uptake and accumulation by marine invertebrates. <i>Ecotoxicology and Environmental Safety</i> , 2005, 61, 145-159.	6.0	130
23	Copper and zinc contamination in oysters: Subcellular distribution and detoxification. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1767-1774.	4.3	122
24	Comparative approaches to understand metal bioaccumulation in aquatic animals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 148, 315-323.	2.6	121
25	Copepod grazing and the biogeochemical fate of diatom iron. <i>Limnology and Oceanography</i> , 1995, 40, 989-994.	3.1	119
26	Bioaccumulation of Cd, Se, and Zn in an estuarine oyster (<i>Crassostrea rivularis</i>) and a coastal oyster (<i>Saccostrea glomerata</i>). <i>Aquatic Toxicology</i> , 2001, 56, 33-51.	4.0	118
27	NMR-based metabolomic studies on the toxicological effects of cadmium and copper on green mussels <i>Perna viridis</i> . <i>Aquatic Toxicology</i> , 2010, 100, 339-345.	4.0	118
28	Role of Titanium Dioxide Nanoparticles in the Elevated Uptake and Retention of Cadmium and Zinc in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2012, 46, 469-476.	10.0	116
29	Effects of major nutrient additions on metal uptake in phytoplankton. <i>Environmental Pollution</i> , 2001, 111, 233-240.	7.5	115
30	Trace elements in two marine fish cultured in fish cages in Fujian province, China. <i>Environmental Pollution</i> , 2010, 158, 1334-1342.	7.5	113
31	Size-Dependent Uptake of Silver Nanoparticles in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2012, 46, 11345-11351.	10.0	107
32	Identifying the Sources and Processes of Mercury in Subtropical Estuarine and Ocean Sediments Using Hg Isotopic Composition. <i>Environmental Science & Technology</i> , 2015, 49, 1347-1355.	10.0	107
33	Kinetic measurements of metal accumulation in two marine macroalgae. <i>Marine Biology</i> , 1999, 135, 11-23.	1.5	99
34	Uptake and Efflux of Cd and Zn by the Green Mussel <i>Perna viridis</i> after Metal Preexposure. <i>Environmental Science & Technology</i> , 2002, 36, 989-995.	10.0	99
35	Effects of Cooking and Subcellular Distribution on the Bioaccessibility of Trace Elements in Two Marine Fish Species. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 3517-3523.	5.2	99
36	Antagonistic Interaction of Mercury and Selenium in a Marine Fish Is Dependent on Their Chemical Species. <i>Environmental Science & Technology</i> , 2011, 45, 3116-3122.	10.0	99

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37	Biodynamics To Explain the Difference of Copper Body Concentrations in Five Marine Bivalve Species. <i>Environmental Science & Technology</i> , 2009, 43, 2137-2143.	10.0	96
38	Comparison of metal uptake rate and absorption efficiency in marine bivalves. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1367-1373.	4.3	94
39	Why mercury concentration increases with fish size? Biokinetic explanation. <i>Environmental Pollution</i> , 2012, 163, 192-198.	7.5	94
40	Significance of subcellular metal distribution in prey in influencing the trophic transfer of metals in a marine fish. <i>Limnology and Oceanography</i> , 2006, 51, 2008-2017.	3.1	91
41	SIZE-DEPENDENCE OF THE POTENTIAL FOR METAL BIOMAGNIFICATION IN EARLY LIFE STAGES OF MARINE FISH. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 787.	4.3	89
42	Marine diatom uptake of iron bound with natural colloids of different origins. <i>Marine Chemistry</i> , 2003, 81, 177-189.	2.3	86
43	Understanding the Differences in Cd and Zn Bioaccumulation and Subcellular Storage among Different Populations of Marine Clams. <i>Environmental Science & Technology</i> , 2004, 38, 449-456.	10.0	85
44	Oyster-based national mapping of trace metals pollution in the Chinese coastal waters. <i>Environmental Pollution</i> , 2017, 224, 658-669.	7.5	84
45	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018, 232, 375-384.	7.5	83
46	Rare earth elements in the Pearl River Delta of China: Potential impacts of the REE industry on water, suspended particles and oysters. <i>Environmental Pollution</i> , 2019, 244, 190-201.	7.5	82
47	Assimilation of cadmium, chromium, and zinc by the green mussel <i>Perna viridis</i> and the clam <i>Ruditapes philippinarum</i> . <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1660-1667.	4.3	81
48	BIOKINETICS AND TOLERANCE DEVELOPMENT OF TOXIC METALS IN DAPHNIA MAGNA. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1023.	4.3	81
49	Metal accumulation in the green macroalga <i>Ulva fasciata</i> : effects of nitrate, ammonium and phosphate. <i>Science of the Total Environment</i> , 2001, 278, 11-22.	8.0	80
50	Effects of toxic dinoflagellate <i>Alexandrium tamarense</i> on the energy budgets and growth of two marine bivalves. <i>Marine Environmental Research</i> , 2002, 53, 145-160.	2.5	80
51	Metal partitioning in river sediments measured by sequential extraction and biomimetic approaches. <i>Chemosphere</i> , 2004, 57, 839-851.	8.2	78
52	Trace metal assimilation and release budget in <i>Daphnia magna</i> . <i>Limnology and Oceanography</i> , 2002, 47, 495-504.	3.1	77
53	Assimilation and regeneration of trace elements by marine copepods. <i>Limnology and Oceanography</i> , 1996, 41, 70-81.	3.1	75
54	Cadmium toxicity to two marine phytoplankton under different nutrient conditions. <i>Aquatic Toxicology</i> , 2006, 78, 114-126.	4.0	75

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55	Visualization of Biogenic Amines and In Vivo Ratiometric Mapping of Intestinal pH by AIE-Active Polyheterocycles Synthesized by Metal-Free Multicomponent Polymerizations. <i>Advanced Functional Materials</i> , 2019, 29, 1902240.	14.9	75
56	Metal Bioaccumulation in Aquatic Species: Quantification of Uptake and Elimination Rate Constants Using Physicochemical Properties of Metals and Physiological Characteristics of Species. <i>Environmental Science & Technology</i> , 2008, 42, 852-858.	10.0	74
57	In Vivo Mercury Demethylation in a Marine Fish (<i>Acanthopagrus schlegelii</i>). <i>Environmental Science & Technology</i> , 2017, 51, 6441-6451.	10.0	74
58	The uptake, distribution and elimination of paralytic shellfish toxins in mussels and fish exposed to toxic dinoflagellates. <i>Aquatic Toxicology</i> , 2006, 80, 82-91.	4.0	73
59	Trophically available metal – A variable feast. <i>Environmental Pollution</i> , 2011, 159, 2347-2349.	7.5	73
60	Biotransformation and detoxification of inorganic arsenic in a marine juvenile fish <i>Terapon jarbua</i> after waterborne and dietborne exposure. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 162-169.	12.4	73
61	Cd and Zn Uptake Kinetics in <i>Daphnia magna</i> in Relation to Cd Exposure History. <i>Environmental Science & Technology</i> , 2004, 38, 6051-6058.	10.0	72
62	In Vivo Mercury Methylation and Demethylation in Freshwater Tilapia Quantified by Mercury Stable Isotopes. <i>Environmental Science & Technology</i> , 2013, 47, 7949-7957.	10.0	72
63	Biodynamic understanding of mercury accumulation in marine and freshwater fish. <i>Advances in Environmental Research</i> , 2012, 1, 15-35.	0.3	72
64	Cadmium in three marine phytoplankton: Accumulation, subcellular fate and thiol induction. <i>Aquatic Toxicology</i> , 2009, 95, 99-107.	4.0	71
65	Large-scale spatial and interspecies differences in trace elements and stable isotopes in marine wild fish from Chinese waters. <i>Journal of Hazardous Materials</i> , 2012, 215-216, 65-74.	12.4	71
66	The transfer of cadmium, mercury, methylmercury, and zinc in an intertidal rocky shore food chain. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 307, 91-110.	1.5	70
67	DIETARY ASSIMILATION AND ELIMINATION OF Cd, Se, AND Zn BY DAPHNIA MAGNA AT DIFFERENT METAL CONCENTRATIONS. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 2689.	4.3	70
68	Mercury exposure in the freshwater tilapia <i>Oreochromis niloticus</i> . <i>Environmental Pollution</i> , 2010, 158, 2694-2701.	7.5	70
69	Sponges and sediments as monitoring tools of metal contamination in the eastern coast of the Red Sea, Saudi Arabia. <i>Marine Pollution Bulletin</i> , 2011, 62, 1140-1146.	5.0	70
70	Accumulation, subcellular distribution and toxicity of inorganic mercury and methylmercury in marine phytoplankton. <i>Environmental Pollution</i> , 2011, 159, 3097-3105.	7.5	70
71	Variations of trace metals in two estuarine environments with contrasting pollution histories. <i>Science of the Total Environment</i> , 2014, 485-486, 604-614.	8.0	70
72	Influences of Natural Colloids on Metal Bioavailability to Two Marine Bivalves. <i>Environmental Science & Technology</i> , 2000, 34, 4571-4576.	10.0	69

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73	Comparison of metal accumulation in mussels at different local and global scales. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 388-395.	4.3	68
74	Influence of glyphosate and its formulation (Roundup®) on the toxicity and bioavailability of metals to <i>Ceriodaphnia dubia</i> . <i>Environmental Pollution</i> , 2005, 138, 59-68.	7.5	68
75	Analyzing biomagnification of metals in different marine food webs using nitrogen isotopes. <i>Marine Pollution Bulletin</i> , 2008, 56, 2082-2088.	5.0	68
76	Bioavailability of natural colloidal-bound iron to marine plankton: Influences of colloidal size and aging. <i>Limnology and Oceanography</i> , 2001, 46, 1956-1967.	3.1	67
77	Kinetic uptake of bioavailable cadmium, selenium, and zinc by <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2348-2355.	4.3	67
78	Metal stoichiometry in predicting Cd and Cu toxicity to a freshwater green alga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Pollution</i> , 2006, 142, 303-312.	7.5	66
79	Modification of metal bioaccumulation and toxicity in <i>Daphnia magna</i> by titanium dioxide nanoparticles. <i>Environmental Pollution</i> , 2014, 186, 36-42.	7.5	66
80	Low Bioavailability of Silver Nanoparticles Presents Trophic Toxicity to Marine Medaka (<i>Oryzias latipes</i>). <i>Environmental Science & Technology</i> , 2010, 44, 1000-1006.	10.0	66
81	Effects of Zn pre-exposure on Cd and Zn bioaccumulation and metallothionein levels in two species of marine fish. <i>Aquatic Toxicology</i> , 2005, 73, 353-369.	4.0	65
82	The subcellular fate of cadmium and zinc in the scallop <i>Chlamys nobilis</i> during waterborne and dietary metal exposure. <i>Aquatic Toxicology</i> , 2008, 90, 253-260.	4.0	65
83	Cu, Ni, and Pb speciation in surface sediments from a contaminated bay of northern China. <i>Marine Pollution Bulletin</i> , 2002, 44, 820-826.	5.0	63
84	Phase partitioning and solubility of iron in natural seawater controlled by dissolved organic matter. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	63
85	Reducing total mercury and methylmercury accumulation in rice grains through water management and deliberate selection of rice cultivars. <i>Environmental Pollution</i> , 2012, 162, 202-208.	7.5	63
86	Bioavailability of Inorganic and Methylmercury to a Marine Deposit-Feeding Polychaete. <i>Environmental Science & Technology</i> , 1998, 32, 2564-2571.	10.0	62
87	Geochemistry of Cd, Cr, and Zn in Highly Contaminated Sediments and Its Influences on Assimilation by Marine Bivalves. <i>Environmental Science & Technology</i> , 2002, 36, 5164-5171.	10.0	62
88	Physiologically Based Pharmacokinetic Model for Inorganic and Methylmercury in a Marine Fish. <i>Environmental Science & Technology</i> , 2015, 49, 10173-10181.	10.0	62
89	Assessment of tissue-specific accumulation and effects of cadmium in a marine fish fed contaminated commercially produced diet. <i>Aquatic Toxicology</i> , 2009, 95, 248-255.	4.0	61
90	The influence of mariculture on mercury distribution in sediments and fish around Hong Kong and adjacent mainland China waters. <i>Chemosphere</i> , 2011, 82, 1038-1043.	8.2	61

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91	Mercury in Wild Fish from High-Altitude Aquatic Ecosystems in the Tibetan Plateau. <i>Environmental Science & Technology</i> , 2014, 48, 5220-5228.	10.0	61
92	Bioaccumulation and Trophic Transfer of Selenium. , 2010, , 93-139.		61
93	Inter-population differences in Cd, Cr, Se, and Zn accumulation by the green mussel <i>Perna viridis</i> acclimated at different salinities. <i>Aquatic Toxicology</i> , 2003, 62, 205-218.	4.0	60
94	Cadmium Toxicity in a Marine Diatom as Predicted by the Cellular Metal Sensitive Fraction. <i>Environmental Science & Technology</i> , 2008, 42, 940-946.	10.0	60
95	Controls of Dissolved Organic Matter and Chloride on Mercury Uptake by a Marine Diatom. <i>Environmental Science & Technology</i> , 2009, 43, 8998-9003.	10.0	60
96	Effects of calcium and metabolic inhibitors on trace element uptake in two marine bivalves. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 236, 149-164.	1.5	59
97	Multigenerational cadmium acclimation and biokinetics in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2006, 141, 343-352.	7.5	58
98	Bioaccessibility of 12 trace elements in marine molluscs. <i>Food and Chemical Toxicology</i> , 2013, 55, 627-636.	3.6	58
99	Mercury distribution, speciation and bioavailability in sediments from the Pearl River Estuary, Southern China. <i>Marine Pollution Bulletin</i> , 2012, 64, 1699-1704.	5.0	57
100	Metal uptake in a coastal diatom influenced by major nutrients (N, P, and Si). <i>Water Research</i> , 2001, 35, 315-321.	11.3	56
101	Metal pollution in a contaminated bay: Relationship between metal geochemical fractionation in sediments and accumulation in a polychaete. <i>Environmental Pollution</i> , 2014, 191, 50-57.	7.5	56
102	Characterization of <i>Bacillus subtilis</i> from gastrointestinal tract of hybrid Hulong grouper (<i>Epinephelus fuscoguttatus</i> × <i>E. lanceolatus</i>) and its effects as probiotic additives. <i>Fish and Shellfish Immunology</i> , 2019, 84, 1115-1124.	3.6	56
103	DYNAMICS OF METAL SUBCELLULAR DISTRIBUTION AND ITS RELATIONSHIP WITH METAL UPTAKE IN MARINE MUSSELS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2365.	4.3	55
104	Acute Toxicity of Cadmium in <i>Daphnia magna</i> under Different Calcium and pH Conditions: Importance of Influx Rate. <i>Environmental Science & Technology</i> , 2011, 45, 1970-1976.	10.0	55
105	Mercury accumulation in marine bivalves: Influences of biodynamics and feeding niche. <i>Environmental Pollution</i> , 2011, 159, 2500-2506.	7.5	55
106	Waterborne cadmium and zinc uptake in a euryhaline teleost <i>Acanthopagrus schlegeli</i> acclimated to different salinities. <i>Aquatic Toxicology</i> , 2007, 84, 173-181.	4.0	54
107	Tissue-specific toxicological effects of cadmium in green mussels (<i>Perna viridis</i>): Nuclear magnetic resonance-based metabolomics study. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 806-812.	4.3	54
108	Bioavailability of sediment-bound Cd, Cr and Zn to the green mussel <i>Perna viridis</i> and the Manila clam <i>Ruditapes philippinarum</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 255, 75-92.	1.5	53

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109	Comparison of Bioavailability and Biotransformation of Inorganic and Organic Arsenic to Two Marine Fish. <i>Environmental Science & Technology</i> , 2016, 50, 2413-2423.	10.0	53
110	Selenium induces the demethylation of mercury in marine fish. <i>Environmental Pollution</i> , 2017, 231, 1543-1551.	7.5	53
111	Cadmium effects on DNA and protein metabolism in oyster (<i>Crassostrea gigas</i>) revealed by proteomic analyses. <i>Scientific Reports</i> , 2017, 7, 11716.	3.3	53
112	Dominant Role of Silver Ions in Silver Nanoparticle Toxicity to a Unicellular Alga: Evidence from Luminogen Imaging. <i>Environmental Science & Technology</i> , 2019, 53, 494-502.	10.0	53
113	Temperature-Dependent Sensitivity of a Marine Diatom to Cadmium Stress Explained by Subcellular Distribution and Thiol Synthesis. <i>Environmental Science & Technology</i> , 2008, 42, 8603-8608.	10.0	52
114	<i>In vivo</i> monitoring of tissue regeneration using a ratiometric lysosomal AIE probe. <i>Chemical Science</i> , 2020, 11, 3152-3163.	7.4	52
115	Trophic transfer of heavy metals from freshwater zooplankton <i>Daphnia magna</i> to zebrafish <i>Danio reiro</i> . <i>Water Research</i> , 2002, 36, 4563-4569.	11.3	51
116	Acute Toxicity of Mercury to <i>Daphnia magna</i> under Different Conditions. <i>Environmental Science & Technology</i> , 2006, 40, 4025-4030.	10.0	51
117	Factors Affecting the Bioaccessibility of Methylmercury in Several Marine Fish Species. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7155-7162.	5.2	51
118	Significance of Trophic Transfer in Predicting the High Concentration of Zinc in Barnacles. <i>Environmental Science & Technology</i> , 1999, 33, 2905-2909.	10.0	50
119	Reconstructing the Biokinetic Processes of Oysters to Counteract the Metal Challenges: Physiological Acclimation. <i>Environmental Science & Technology</i> , 2012, 46, 10765-10771.	10.0	50
120	Dietary toxicity of metals in aquatic animals: Recent studies and perspectives. <i>Science Bulletin</i> , 2013, 58, 203-213.	1.7	50
121	Spatial variation and subcellular binding of metals in oysters from a large estuary in China. <i>Marine Pollution Bulletin</i> , 2013, 70, 274-280.	5.0	50
122	Size partitioning and mixing behavior of trace metals and dissolved organic matter in a South China estuary. <i>Science of the Total Environment</i> , 2017, 603-604, 434-444.	8.0	50
123	Biokinetics of cadmium, selenium, and zinc in freshwater alga <i>Scenedesmus obliquus</i> under different phosphorus and nitrogen conditions and metal transfer to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2004, 129, 443-456.	7.5	49
124	Cadmium and zinc uptake and toxicity in two strains of <i>Microcystis aeruginosa</i> predicted by metal free ion activity and intracellular concentration. <i>Aquatic Toxicology</i> , 2009, 91, 212-220.	4.0	49
125	Two-Compartment Toxicokinetic–Toxicodynamic Model to Predict Metal Toxicity in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2012, 46, 9709-9715.	10.0	49
126	Intracellular speciation and transformation of inorganic mercury in marine phytoplankton. <i>Aquatic Toxicology</i> , 2014, 148, 122-129.	4.0	49

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127	<i>In Vivo</i> Bioimaging of Silver Nanoparticle Dissolution in the Gut Environment of Zooplankton. ACS Nano, 2018, 12, 12212-12223.	14.6	49
128	Subcellular controls of mercury trophic transfer to a marine fish. Aquatic Toxicology, 2010, 99, 500-506.	4.0	48
129	Trace metals in oysters: molecular and cellular mechanisms and ecotoxicological impacts. Environmental Sciences: Processes and Impacts, 2018, 20, 892-912.	3.5	48
130	Modeling Metal Bioavailability for Marine Mussels. Reviews of Environmental Contamination and Toxicology, 1997, , 39-65.	1.3	48
131	Comparison between two clones of <i>Daphnia magna</i> : Effects of multigenerational cadmium exposure on toxicity, individual fitness, and biokinetics. Aquatic Toxicology, 2006, 76, 217-229.	4.0	47
132	Effects of sediment composition on inorganic mercury partitioning, speciation and bioavailability in oxic surficial sediments. Environmental Pollution, 2008, 151, 222-230.	7.5	47
133	The three β of fish mercury in China: Bioaccumulation, biodynamics and biotransformation. Environmental Pollution, 2019, 250, 216-232.	7.5	47
134	Trophic transfer of silver to marine herbivores: A review of recent studies. Environmental Toxicology and Chemistry, 1998, 17, 562-571.	4.3	46
135	MATERNAL TRANSFER EFFICIENCY AND TRANSGENERATIONAL TOXICITY OF METHYLMERCURY IN DAPHNIA MAGNA. Environmental Toxicology and Chemistry, 2004, 23, 1504.	4.3	46
136	Applications of dynamic models in predicting the bioaccumulation, transport and toxicity of trace metals in aquatic organisms. Environmental Pollution, 2019, 252, 1561-1573.	7.5	46
137	Copper uptake kinetics and regulation in a marine fish after waterborne copper acclimation. Aquatic Toxicology, 2009, 94, 238-244.	4.0	45
138	Arsenic bioaccumulation in a marine juvenile fish <i>Terapon jarbua</i> . Aquatic Toxicology, 2011, 105, 582-588.	4.0	45
139	Mercury species of sediment and fish in freshwater fish ponds around the Pearl River Delta, PR China: Human health risk assessment. Chemosphere, 2011, 83, 443-448.	8.2	45
140	Bioaccumulation and Biomonitoring. , 2016, , 99-119.		45
141	Organ-specific accumulation, transportation, and elimination of methylmercury and inorganic mercury in a low Hg accumulating fish. Environmental Toxicology and Chemistry, 2016, 35, 2074-2083.	4.3	45
142	Modification of trace metal accumulation in the green mussel <i>Perna viridis</i> by exposure to Ag, Cu, and Zn. Environmental Pollution, 2004, 132, 265-277.	7.5	44
143	Uptake, absorption efficiency and elimination of DDT in marine phytoplankton, copepods and fish. Environmental Pollution, 2005, 136, 453-464.	7.5	44
144	Oral bioaccessibility of toxic metals in contaminated oysters and relationships with metal internal sequestration. Ecotoxicology and Environmental Safety, 2014, 110, 261-268.	6.0	44

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145	A lipidomic approach to understand copper resilience in oyster <i>Crassostrea hongkongensis</i> . <i>Aquatic Toxicology</i> , 2018, 204, 160-170.	4.0	44
146	Influences of metal concentration in phytoplankton and seawater on metal assimilation and elimination in marine copepods. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1067-1077.	4.3	43
147	Influences of dissolved and colloidal organic carbon on the uptake of Ag, Cd, and Cr by the marine mussel <i>Perna viridis</i> . <i>Environmental Pollution</i> , 2004, 129, 467-477.	7.5	43
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