Ronny Blust

List of Publications by Year
in descending order

143 papers	5,041 citations	76196 40 h-index	128067 60 g-index
145 all docs	145 docs citations	145 times ranked	6360 citing authors

#	Article	IF	Citations
1	Stress Responses and Changes in Protein Metabolism in Carp Cyprinus carpio during Cadmium Exposure. Ecotoxicology and Environmental Safety, 2001, 48, 255-262.	2.9	157
2	Exposure to waterborne copper reveals differences in oxidative stress response in three freshwater fish species. Aquatic Toxicology, 2011, 103, 112-120.	1.9	139
3	Differential metallothionein induction patterns in three freshwater fish during sublethal copper exposure. Aquatic Toxicology, 2003, 65, 413-424.	1.9	132
4	Evaluation of microwave heating digestion and graphite furnace atomic absorption spectrometry with continuum source background correction for the determination of iron, copper and cadmium in brine shrimp. Journal of Analytical Atomic Spectrometry, 1988, 3, 387.	1.6	125
5	Changes in cellular energy budget as a measure of whole effluent toxicity in zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	115
6	Dynamics of (Cd,Zn)-metallothioneins in gills, liver and kidney of common carp Cyprinus carpio during cadmium exposure. Aquatic Toxicology, 2001, 52, 269-281.	1.9	112
7	The first draft genome of the aquatic model plant Lemna minor opens the route for future stress physiology research and biotechnological applications. Biotechnology for Biofuels, 2015, 8, 188.	6.2	112
8	Anti-Oxidative Defences Are Modulated Differentially in Three Freshwater Teleosts in Response to Ammonia-Induced Oxidative Stress. PLoS ONE, 2014, 9, e95319.	1.1	102
9	Anthropogenic and naturally-produced organobrominated compounds in marine mammals from Brazil. Environment International, 2010, 36, 60-67.	4.8	98
10	Microplastic contamination in gudgeons (Gobio gobio) from Flemish rivers (Belgium). Environmental Pollution, 2019, 244, 675-684.	3.7	95
11	Tissue-specific Cu bioaccumulation patterns and differences in sensitivity to waterborne Cu in three freshwater fish: rainbow trout (Oncorhynchus mykiss), common carp (Cyprinus carpio), and gibel carp (Carassius auratus gibelio). Aquatic Toxicology, 2004, 70, 179-188.	1.9	87
12	Persistent organic pollutants in the Olifants River Basin, South Africa: Bioaccumulation and trophic transfer through a subtropical aquatic food web. Science of the Total Environment, 2017, 586, 792-806.	3.9	77
13	Linking environmental heavy metal concentrations and salinity gradients with metal accumulation and their effects: A case study in 3 mussel species of VitÃ³ria estuary and EspÃrito Santo bay, Southeast Brazil. Science of the Total Environment, 2015, 523, 1-15.	3.9	76
14	The chronic toxicity of CuO nanoparticles and copper salt to Daphnia magna. Journal of Hazardous Materials, 2015, 283, 416-422.	6.5	75
15	A Conceptual Framework for Using Mussels as Biomonitors in Whole Effluent Toxicity. Human and Ecological Risk Assessment (HERA), 2003, 9, 741-760.	1.7	71
16	Flow cytometric analysis of the cadmium-exposed green algaChlamydomonas reinhardtii(Chlorophyceae). European Journal of Phycology, 2009, 44, 541-550.	0.9	71
17	Morphological and metabolic changes in common carp, Cyprinus carpio, during shortâ€term copper exposure: Interactions between Cu²⁺ and plasma cortisol elevation. Environmental Toxicology and Chemistry, 2001, 20, 374-381.	2.2	68
18	Bioaccumulation of micropollutants and biomarker responses in caged carp (Cyprinus carpio). Ecotoxicology and Environmental Safety, 2009, 72, 720-728.	2.9	68

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19	Nutritional Status as the Key Modulator of Antioxidant Responses Induced by High Environmental Ammonia and Salinity Stress in European Sea Bass (Dicentrarchus labrax). PLoS ONE, 2015, 10, e0135091.	1.1	66
20	Systematic Evaluation of Chronic Metal-Mixture Toxicity to Three Species and Implications for Risk Assessment. Environmental Science & Technology, 2017, 51, 4615-4623.	4.6	64
21	Lemna minor plants chronically exposed to ionising radiation: RNA-seq analysis indicates a dose rate dependent shift from acclimation to survival strategies. Plant Science, 2017, 257, 84-95.	1.7	63
22	Do Aptamers Always Bind? The Need for a Multifaceted Analytical Approach When Demonstrating Binding Affinity between Aptamer and Low Molecular Weight Compounds. Journal of the American Chemical Society, 2020, 142, 19622-19630.	6.6	63
23	DYNAMICS OF CADMIUM ACCUMULATION AND EFFECTS IN COMMON CARP (CYPRINUS CARPIO) DURING SIMULTANEOUS EXPOSURE TO WATER AND FOOD (TUBIFEX TUBIFEX). Environmental Toxicology and Chemistry, 2006, 25, 1558.	2.2	60
24	Aquatic acute species sensitivity distributions of ZnO and CuO nanoparticles. Science of the Total Environment, 2015, 526, 233-242.	3.9	60
25	An Electrochemical Impedimetric Aptasensing Platform for Sensitive and Selective Detection of Small Molecules Such as Chloramphenicol. Sensors, 2014, 14, 12059-12069.	2.1	58
26	Carbon nanotubes based electrochemical aptasensing platform for the detection of hydroxylated polychlorinated biphenyl in human blood serum. Biosensors and Bioelectronics, 2014, 54, 78-84.	5.3	58
27	Gill remodeling in three freshwater teleosts in response to high environmental ammonia. Aquatic Toxicology, 2014, 155, 166-180.	1.9	57
28	Impaired anterior swim bladder inflation following exposure to the thyroid peroxidase inhibitor 2-mercaptobenzothiazole part II: Zebrafish. Aquatic Toxicology, 2016, 173, 204-217.	1.9	56
29	Biochemodynamic Features of Metal Ions Bound by Micro- and Nano-Plastics in Aquatic Media. Frontiers in Chemistry, 2018, 6, 627.	1.8	55
30	Cyclist exposure to black carbon, ultrafine particles and heavy metals: An experimental study along two commuting routes near Antwerp, Belgium. Environmental Research, 2018, 164, 530-538.	3.7	54
31	Formation of aerobic granular sludge during the treatment of petrochemical wastewater. Bioresource Technology, 2017, 238, 559-567.	4.8	52
32	A Mechanistic Model for the Uptake of Waterborne Strontium in the Common Carp (Cyprinus carpio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.6	51
33	Deiodinase Knockdown during Early Zebrafish Development Affects Growth, Development, Energy Metabolism, Motility and Phototransduction. PLoS ONE, 2015, 10, e0123285.	1.1	50
34	Distribution of trace elements in the aquatic ecosystem of the Thigithe river and the fish Labeo victorianus in Tanzania and possible risks for human consumption. Science of the Total Environment, 2016, 547, 48-59.	3.9	50
35	Temporal and spatial trends in heavy metal concentrations in the marine mussel Mytilus edulis from the Western Scheldt estuary (The Netherlands). Hydrobiologia, 2005, 540, 169-180.	1.0	48
36	The uptake of ZnO and CuO nanoparticles in the water-flea Daphnia magna under acute exposure scenarios. Environmental Pollution, 2014, 194, 130-137.	3.7	47

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37	Inductively coupled plasma time-of-flight mass spectrometry coupled to high-performance liquid chromatography for multi-elemental speciation analysis of metalloproteins in carp cytosols. Journal of Analytical Atomic Spectrometry, 2002, 17, 79-87.	1.6	46
38	Integrated condition indices as a measure of whole effluent toxicity in zebrafish (Danio rerio). Environmental Toxicology and Chemistry, 2002, 21, 87-93.	2.2	46
39	Transplanted zebra mussels (Dreissena polymorpha) as active biomonitors in an effluentâ€dominated river. Environmental Toxicology and Chemistry, 2002, 21, 1889-1896.	2.2	45
40	Identification of threshold body burdens of metals for the protection of the aquatic ecological status using two benthic invertebrates. Environmental Pollution, 2016, 210, 76-84.	3.7	44
41	Assessing in-vitro estrogenic effects of currently-used flame retardants. Toxicology in Vitro, 2016, 33, 153-162.	1.1	42
42	Gene transcription patterns and energy reserves in Daphnia magna show no nanoparticle specific toxicity when exposed to ZnO and CuO nanoparticles.. Environmental Research, 2015, 138, 82-92.	3.7	41
43	Characterizing dose response relationships: Chronic gamma radiation in Lemna minor induces oxidative stress and altered polyploidy level. Journal of Environmental Radioactivity, 2015, 150, 195-202.	0.9	41
44	Toxicogenomics in the 3T3-L1 Cell Line, a New Approach for Screening of Obesogenic Compounds. Toxicological Sciences, 2014, 140, 352-363.	1.4	40
45	Cortisol affects metabolic and ionoregulatory responses to a different extent depending on feeding ration in common carp, Cyprinus carpio. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 189, 45-57.	0.8	40
46	A toxicogenomics approach to screen chlorinated flame retardants tris(2â€chloroethyl) phosphate and tris(2â€chloroisopropyl) phosphate for potential health effects. Journal of Applied Toxicology, 2018, 38, 459-470.	1.4	40
47	Mixture effects of copper, cadmium, and zinc on mortality and behavior of Caenorhabditis elegans. Environmental Toxicology and Chemistry, 2018, 37, 145-159.	2.2	40
48	BIOAVAILABILITY OF CADMIUM AND ZINC TO THE COMMON CARP, CYPRINUS CARPIO, IN COMPLEXING ENVIRONMENTS: A TEST FOR THE VALIDITY OF THE FREE ION ACTIVITY MODEL. Environmental Toxicology and Chemistry, 1999, 18, 2295.	2.2	40
49	Effect of cortisol treatment and/or sublethal copper exposure on copper uptake and heat shock protein levels in common carp, Cyprinus carpio. Environmental Toxicology and Chemistry, 2003, 22, 1122-1126.	2.2	39
50	Expression of Obesity Markers and Persistent Organic Pollutants Levels in Adipose Tissue of Obese Patients: Reinforcing the Obesogen Hypothesis?. PLoS ONE, 2014, 9, e84816.	1.1	39
51	Mixture toxicity of copper and zinc to barley at low level effects can be described by the Biotic Ligand Model. Plant and Soil, 2014, 381, 131-142.	1.8	39
52	A high throughput passive dosing format for the Fish Embryo Acute Toxicity test. Chemosphere, 2015, 139, 9-17.	4.2	39
53	Toxicity and bioaccumulation of Cadmium, Copper and Zinc in a direct comparison at equitoxic concentrations in common carp (Cyprinus carpio) juveniles. PLoS ONE, 2020, 15, e0220485.	1.1	39
54	Metals in the Scheldt estuary: From environmental concentrations to bioaccumulation. Environmental Pollution, 2017, 228, 82-91.	3.7	38

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55	The impact of metal pollution on soil faunal and microbial activity in two grassland ecosystems. Environmental Research, 2014, 134, 169-180.	3.7	37
56	Interactive effect of high environmental ammonia and nutritional status on ecophysiological performance of European sea bass (Dicentrarchus labrax) acclimated to reduced seawater salinities. Aquatic Toxicology, 2015, 160, 39-56.	1.9	37
57	Cytosolic distribution of Cd, Cu and Zn, and metallothionein levels in relation to physiological changes in gibel carp (Carassius auratus gibelio) from metal-impacted habitats. Ecotoxicology and Environmental Safety, 2010, 73, 296-305.	2.9	33
58	Shawn, theDrosophilaHomolog of SLC25A39/40, Is a Mitochondrial Carrier That Promotes Neuronal Survival. Journal of Neuroscience, 2016, 36, 1914-1929.	1.7	33
59	Unique Properties of Core Shell Ag@Au Nanoparticles for the Aptasensing of Bacterial Cells. Chemosensors, 2016, 4, 16.	1.8	32
60	Effect of temperature on chronic toxicity of copper, zinc, and nickel to Daphnia magna. Environmental Toxicology and Chemistry, 2017, 36, 1909-1916.	2.2	32
61	Use of lanthanum for water treatment A matter of concern?. Chemosphere, 2020, 239, 124780.	4.2	32
62	Bottle or tap? Toward an integrated approach to water type consumption. Water Research, 2020, 173, 115578.	5.3	32
63	Relating metal exposure and chemical speciation to trace metal accumulation in aquatic insects under natural field conditions. Science of the Total Environment, 2014, 496, 11-21.	3.9	31
64	An Improved Electrochemical Aptasensor for Chloramphenicol Detection Based on Aptamer Incorporated Gelatine. Sensors, 2015, 15, 7605-7618.	2.1	31
65	High environmental ammonia elicits differential oxidative stress and antioxidant responses in five different organs of a model estuarine teleost (Dicentrarchus labrax). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 174-175, 21-31.	1.3	31
66	Mixture toxicity and interactions of copper, nickel, cadmium, and zinc to barley at low effect levels: Something from nothing?. Environmental Toxicology and Chemistry, 2016, 35, 2483-2492.	2.2	31
67	Salinity and dissolved organic carbon both affect copper toxicity in mussel larvae: Copper speciation or competition cannot explain everything. Environmental Toxicology and Chemistry, 2015, 34, 1330-1336.	2.2	30
68	Bioaccumulation of organohalogenated compounds in sharks and rays from the southeastern USA. Environmental Research, 2015, 137, 199-207.	3.7	29
69	Hypo-osmotic stress-induced physiological and ion-osmoregulatory responses in European sea bass (Dicentrarchus labrax) are modulated differentially by nutritional status. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 181, 87-99.	0.8	29
70	Are persistent organic pollutants and metals in eel muscle predictive for the ecological water quality?. Environmental Pollution, 2014, 186, 165-171.	3.7	28
71	(Electro)Sensing of Phenicol Antibioticsâ€"A Review. Critical Reviews in Food Science and Nutrition, 2016, 56, 2416-2429.	5.4	28
72	An AOP-based alternative testing strategy to predict the impact of thyroid hormone disruption on swim bladder inflation in zebrafish. Aquatic Toxicology, 2018, 200, 1-12.	1.9	28

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73	The effect of copper on behaviour, memory, and associative learning ability of zebrafish (Danio rerio). Ecotoxicology and Environmental Safety, 2020, 188, 109900.	2.9	28
74	Kidney activity increases in copper exposed goldfish (Carassius auratus auratus). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2016, 190, 32-37.	1.3	26
75	Bioaccumulation and trophic transfer of total mercury in the subtropical Olifants River Basin, South Africa. Chemosphere, 2019, 216, 832-843.	4.2	26
76	Kinetics of waterborne strontium uptake in the common carp, Cyprinus carpio, at different calcium levels. Environmental Toxicology and Chemistry, 2000, 19, 622-630.	2.2	25
77	Î²-Radiation Stress Responses on Growth and Antioxidative Defense System in Plants: A Study with Strontium-90 in Lemna minor. International Journal of Molecular Sciences, 2015, 16, 15309-15327.	1.8	25
78	Use of a macroinvertebrate based biotic index to estimate critical metal concentrations for good ecological water quality. Chemosphere, 2015, 119, 138-144.	4.2	25
79	Chemodynamics and bioavailability of metal ion complexes with nanoparticles in aqueous media. Environmental Science: Nano, 2017, 4, 2108-2133.	2.2	25
80	Subcellular differences in handling Cu excess in three freshwater fish species contributes greatly to their differences in sensitivity to Cu. Aquatic Toxicology, 2012, 118-119, 97-107.	1.9	24
81	Effects of sublethal copper exposure on muscle energy metabolism of common carp, measured by ³¹Pâ€nuclear magnetic resonance spectroscopy. Environmental Toxicology and Chemistry, 1997, 16, 676-684.	2.2	23
82	Characterization of metal complexes with metallothioneins in the liver of the carp Cyprinus carpio by reversed-phase HPLC with ICP-MS and electrospray ionization (ESI)-MS. Journal of Analytical Atomic Spectrometry, 2004, 19, 159.	1.6	23
83	The combined effect of hypoxia and nutritional status on metabolic and ionoregulatory responses of common carp (Cyprinus carpio). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 179, 133-143.	0.8	22
84	Differential modulation of ammonia excretion, Rhesus glycoproteins and ion-regulation in common carp (Cyprinus carpio) following individual and combined exposure to waterborne copper and ammonia. Aquatic Toxicology, 2016, 170, 129-141.	1.9	22
85	Comparison of chronic mixture toxicity of nickelâ€zincâ€copper and nickelâ€zincâ€copperâ€cadmium mixtures between Ceriodaphnia dubia and Pseudokirchneriella subcapitata. Environmental Toxicology and Chemistry, 2017, 36, 1056-1066.	2.2	22
86	Exercise improves growth, alters physiological performance and gene expression in common carp (Cyprinus carpio). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 226, 38-48.	0.8	22
87	A novel active-passive sampling approach for measuring time-averaged concentrations of pollutants in water. Chemosphere, 2018, 209, 363-372.	4.2	22
88	Deriving Nickel (Ni(II)) and Chromium (Cr(III)) Based Environmentally Safe Olivine Guidelines for Coastal Enhanced Silicate Weathering. Environmental Science & Technology, 2021, 55, 12362-12371.	4.6	22
89	Toxicogenomics of the flame retardant tris (2-butoxyethyl) phosphate in HepG2 cells using RNA-seq. Toxicology in Vitro, 2018, 46, 178-188.	1.1	21
90	Common carp, Cyprinus carpio, prefer branchial ionoregulation at high feeding rates and kidney ionoregulation when food supply is limited: additional effects of cortisol and exercise. Fish Physiology and Biochemistry, 2020, 46, 451-469.	0.9	21

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91	Dynamic modeling of copper bioaccumulation by Mytilus edulis in the presence of humic acid aggregates. Aquatic Toxicology, 2016, 178, 165-170.	1.9	20
92	The synergistic toxicity of Cd(II) and Cu(II) to zebrafish (Danio rerio): Effect of water hardness. Chemosphere, 2020, 247, 125942.	4.2	20
93	Impact of urban street canyon architecture on local atmospheric pollutant levels and magneto-chemical PM10 composition: An experimental study in Antwerp, Belgium. Science of the Total Environment, 2020, 712, 135534.	3.9	19
94	Metallothionein concentrations in natural populations of gudgeon (Gobio gobio): Relationship with metal concentrations in tissues and environment. Environmental Toxicology and Chemistry, 2003, 22, 1548-1555.	2.2	18
95	Copper toxicity in gibel carp Carassius auratus gibelio: Importance of sodium and glycogen. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 332-337.	1.3	18
96	Behavioural, physiological and biochemical markers in damselfly larvae (Ischnura elegans) to assess effects of accumulated metal mixtures. Science of the Total Environment, 2014, 470-471, 208-215.	3.9	17
97	Pre-acclimation to low ammonia improves ammonia handling in common carp (Cyprinus carpio) when exposed subsequently to high environmental ammonia. Aquatic Toxicology, 2016, 180, 334-344.	1.9	17
98	The effect of metal mixture composition on toxicity to C. elegans at individual and population levels. PLoS ONE, 2019, 14, e0218929.	1.1	17
99	Implications of climate change for submerged macrophytes: effects of CO2, flow velocity and nutrient concentration on Berula erecta. Aquatic Ecology, 2020, 54, 775-793.	0.7	17
100	Methoxylated PBDEs (MeO-PBDEs), hydroxylated PBDEs (HO-PBDEs) and hydroxylated PCBs (HO-PCBs) in the liver of harbor seals from the northwest Atlantic. Science of the Total Environment, 2014, 493, 606-614.	3.9	16
101	Maternal transfer of organohalogenated compounds in sharks and stingrays. Marine Pollution Bulletin, 2015, 92, 59-68.	2.3	16
102	Influence of nutrient medium composition on uranium toxicity and choice of the most sensitive growth related endpoint in Lemna minor. Journal of Environmental Radioactivity, 2016, 151, 427-437.	0.9	16
103	Peptidomics of the zebrafish Danio rerio : In search for neuropeptides. Journal of Proteomics, 2017, 150, 290-296.	1.2	16
104	Accumulation of ¹³⁷Cs by larvae of the midge Chironomus riparius from sediment: Effect of potassium. Environmental Toxicology and Chemistry, 2003, 22, 1589-1596.	2.2	15
105	Effect of abiotic factors and environmental concentrations on the bioaccumulation of persistent organic and inorganic compounds to freshwater fish and mussels. Science of the Total Environment, 2021, 799, 149448.	3.9	15
106	Elucidating toxicological mechanisms of current flame retardants using a bacterial gene profiling assay. Toxicology in Vitro, 2015, 29, 2124-2132.	1.1	14
107	Cadmium exposure exerts neurotoxic effects in peacock blennies Salaria pavo. Ecotoxicology and Environmental Safety, 2017, 143, 217-227.	2.9	14
108	Effects of Hg sublethal exposure in the brain of peacock blennies Salaria pavo: Molecular, physiological and histopathological analysis. Chemosphere, 2018, 193, 1094-1104.	4.2	14

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109	DIFFERENTIAL METALLOTHIONEIN INDUCTION PATTERNS IN FED AND STARVED CARP (CYPRINUS CARPIO) DURING WATERBORNE COPPER EXPOSURE. Environmental Toxicology and Chemistry, 2008, 27, 2154.	2.2	13
110	How lethal concentration changes over time: Toxicity of cadmium, copper, and lead to the freshwater isopod Asellus aquaticus. Environmental Toxicology and Chemistry, 2017, 36, 2849-2854.	2.2	13
111	Human inflammatory response of endotoxin affected by particulate matter-bound transition metals. Environmental Pollution, 2019, 244, 118-126.	3.7	12
112	Bioavailability of cadmium and zinc to the common carp, CYPRINUS carpio, in complexing environments: A test for the validity of the free ion activity model. Environmental Toxicology and Chemistry, 1999, 18, 2295-2304.	2.2	11
113	Towards harmonization of water quality management: A comparison of chemical drinking water and surface water quality standards around the globe. Journal of Environmental Management, 2021, 298, 113447.	3.8	11
114	The effect of thermal pre-incubation and exposure on sensitivity of zebrafish (Danio rerio) to copper and cadmium single and binary exposures. Aquatic Toxicology, 2019, 213, 105226.	1.9	10
115	Biomarkers assessment in the peacock blenny Salaria pavo exposed to cadmium. Environmental Science and Pollution Research, 2016, 23, 16296-16312.	2.7	9
116	Determination of conditional stability constants of cadmiumâ€humic acid complexes in freshwater by use of a competitive ligand equilibrationâ€solvent extraction technique. Environmental Toxicology and Chemistry, 2000, 19, 283-292.	2.2	8
117	Evaluation of acute ecotoxicity removal from industrial wastewater using a battery of rapid bioassays. Water Science and Technology, 2014, 70, 2056-2061.	1.2	8
118	Mercury accumulation and its effects on molecular, physiological, and histopathological responses in the peacock blenny Salaria pavo. Environmental Science and Pollution Research, 2016, 23, 22099-22115.	2.7	8
119	Salinity, dissolved organic carbon, and interpopulation variability hardly influence the accumulation and effect of copper in Mytilus edulis. Environmental Toxicology and Chemistry, 2017, 36, 2074-2082.	2.2	8
120	Integrated hazard, risk and impact assessment of tropical marine sediments from Tema Harbour (Ghana). Chemosphere, 2017, 177, 24-34.	4.2	8
121	The effect of the feeding pattern of complex industrial wastewater on activated sludge characteristics and the chemical and ecotoxicological effluent quality. Environmental Science and Pollution Research, 2017, 24, 10796-10807.	2.7	8
122	Metal accumulation and condition of transplanted zebra mussel (Dreissena polymorpha) in metal polluted rivers. Aquatic Ecosystem Health and Management, 2005, 8, 451-460.	0.3	7
123	Experimental evidence for the decline of submerged vegetation in freshwater ecosystems by the invasive Chinese mitten crab (Eriocheir sinensis). Biological Invasions, 2020, 22, 627-641.	1.2	7
124	Mercury accumulation in muscle and liver tissue and human health risk assessment of two resident freshwater fish species in Flanders (Belgium): a multilocation approach. Environmental Science and Pollution Research, 2021, , 1.	2.7	7
125	Field application of a novel active-passive sampling technique for the simultaneous measurement of a wide range of contaminants in water. Chemosphere, 2021, 279, 130598.	4.2	7
126	Selection of PCB binding phages as potential biorecognition elements for food and environmental monitoring. Analytical Methods, 2011, 3, 1865.	1.3	6

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127	The sequencing batch reactor as an excellent configuration to treat wastewater from the petrochemical industry. Water Science and Technology, 2017, 75, 793-801.	1.2	6
128	Temperature Effects During a Sublethal Chronic Metal Mixture Exposure on Common Carp (Cyprinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	6
129	Arabidopsis root growth and development under metal exposure presented in an adverse outcome pathway framework. Plant, Cell and Environment, 2021, , .	2.8	6
130	SBR treatment of tank truck cleaning wastewater: sludge characteristics, chemical and ecotoxicological effluent quality. Environmental Technology (United Kingdom), 2018, 39, 2524-2533.	1.2	6
131	Characterization of the accumulation of metals and organic contaminants on a novel active-passive sampling device under controlled water flow conditions. Chemosphere, 2019, 236, 124400.	4.2	5
132	Transcriptome profiling of HepG2 cells exposed to the flame retardant 9,10-dihydro-9-oxa-10-phosphaphenanthrene 10-oxide (DOPO). Toxicology Research, 2018, 7, 492-502.	0.9	4
133	A comparative study on the effects of three different metals (Cu, Zn and Cd) at similar toxicity levels in common carp, Cyprinus carpio. Journal of Applied Toxicology, 2020, 41, 1400-1413.	1.4	4
134	Sublethal Effect Concentrations for Nonpolar Narcosis in the Zebrafish Embryo. Environmental Toxicology and Chemistry, 2021, 40, 2802-2812.	2.2	4
135	Interactive toxicity of copper and cadmium in regenerating and adult planarians. Chemosphere, 2022, 297, 133819.	4.2	4
136	Optimizing the Use of Zebrafish Feeding Trials for the Safety Evaluation of Genetically Modified Crops. International Journal of Molecular Sciences, 2019, 20, 1472.	1.8	3
137	The interplay between chemical speciation and physiology determines the bioaccumulation and toxicity of Cu(II) and Cd(II) to <scp>Caenorhabditis elegans</scp>. Journal of Applied Toxicology, 2019, 39, 282-293.	1.4	3
138	The interactive effect of copper(II) and conspecific alarm substances on behavioural responses of zebrafish (Danio rerio). Behavioural Brain Research, 2020, 381, 112452.	1.2	3
139	The relevance of European Biota Quality Standards on the ecological water quality as determined by the multimetric macro-invertebrate index: A Flemish case study. Ecotoxicology and Environmental Safety, 2022, 231, 113222.	2.9	3
140	Overview of the Current State-of-the-Art for Bioaccumulation Models in Marine Mammals. Toxics, 2014, 2, 226-246.	1.6	2
141	Neuropeptidomic Analysis of Zebrafish Brain. Methods in Molecular Biology, 2018, 1719, 241-246.	0.4	1
142	The abundance of urban endotoxins as measured with an impinger-based sampling strategy. Aerobiologia, 2018, 34, 487-496.	0.7	1
143	Potential Future Developments in Ecotoxicology. , 0, , 337-371.		0