

# Sonja Zimmermann

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,119  
citations

516710

16  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human health risks associated with consumption of fish contaminated with trace elements from intensive mining activities in a peri-urban region. <i>Science of the Total Environment</i> , 2022, 825, 154011.	8.0	16
2	Laboratory and field studies on the use of artificial mussels as a monitoring tool of platinum exposure in the freshwater environment. <i>Environmental Sciences Europe</i> , 2021, 33, .	5.5	5
3	Metal contamination and toxicity of soils and river sediments from the world's largest platinum mining area. <i>Environmental Pollution</i> , 2021, 286, 117284.	7.5	10
4	Effects of conventionally-treated and ozonated wastewater on mortality, physiology, body length, and behavior of embryonic and larval zebrafish ( <i>Danio rerio</i> ). <i>Environmental Pollution</i> , 2021, 286, 117241.	7.5	8
5	Metal and metalloid concentrations in the southern African endemic inter- and infratidal super klipfish, <i>Clinus superciliosus</i> , from the west and south coasts of South Africa. <i>Marine Pollution Bulletin</i> , 2021, 172, 112852.	5.0	4
6	Mechanistic simulation of bioconcentration kinetics of waterborne Cd, Ag, Pd, and Pt in the zebra mussel <i>Dreissena polymorpha</i> . <i>Chemosphere</i> , 2020, 242, 124967.	8.2	5
7	The role of fish helminth parasites in monitoring metal pollution in aquatic ecosystems: a case study in the world's most productive platinum mining region. <i>Parasitology Research</i> , 2020, 119, 2783-2798.	1.6	20
8	The Application of Artificial Mussels in Conjunction with Transplanted Bivalves to Assess Elemental Exposure in a Platinum Mining Area. <i>Water (Switzerland)</i> , 2020, 12, 32.	2.7	12
9	Medium-term dynamics of element concentrations in a sparid fish and its isopod parasite after the Prestige oil-spill: Shifting baselines?. <i>Science of the Total Environment</i> , 2019, 686, 648-656.	8.0	8
10	Predicted sediment toxicity downstream of combined sewer overflows corresponds with effects measured in two sediment contact bioassays. <i>Environmental Pollution</i> , 2019, 248, 782-791.	7.5	22
11	Bioaccumulation and metal-associated biomarker responses in a freshwater mussel, <i>Dreissena polymorpha</i> , following short-term platinum exposure. <i>Environmental Pollution</i> , 2019, 246, 69-78.	7.5	12
12	Silver stress differentially affects growth of phototrophic and heterotrophic chrysoomonad flagellate populations. <i>Environmental Pollution</i> , 2019, 244, 314-322.	7.5	6
13	Lessons learned from studies with the freshwater mussel <i>Dreissena polymorpha</i> exposed to platinum, palladium and rhodium. <i>Science of the Total Environment</i> , 2018, 615, 1396-1405.	8.0	14
14	Assessment of sublethal endpoints after chronic exposure of the nematode <i>Caenorhabditis elegans</i> to palladium, platinum and rhodium. <i>Environmental Pollution</i> , 2017, 230, 31-39.	7.5	23
15	Toxicity of platinum, palladium and rhodium to <i>Daphnia magna</i> in single and binary metal exposure experiments. <i>Environmental Pollution</i> , 2017, 224, 368-376.	7.5	41
16	Nanoparticulate versus ionic silver: Behavior in the tank water, bioaccumulation, elimination and subcellular distribution in the freshwater mussel <i>Dreissena polymorpha</i> . <i>Environmental Pollution</i> , 2017, 222, 251-260.	7.5	10
17	How does the metallothionein induction in bivalves meet the criteria for biomarkers of metal exposure?. <i>Environmental Pollution</i> , 2016, 212, 257-268.	7.5	65
18	A direct solid sampling analysis method for the detection of silver nanoparticles in biological matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 295-305.	3.7	31

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19	Field Studies on PGE in Aquatic Ecosystems. Environmental Science and Engineering, 2015, , 351-360.	0.2	8
20	Progress in ecotoxicology, environmental chemistry and ecology. Environmental Sciences Europe, 2014, 26, 23.	5.5	2
21	Effects of Silver Nitrate and Silver Nanoparticles on a Planktonic Community: General Trends after Short-Term Exposure. PLoS ONE, 2014, 9, e95340.	2.5	65
22	Influence of platinum, palladium and rhodium as compared with cadmium, nickel and chromium on cell viability and oxidative stress in human bronchial epithelial cells. Environment International, 2007, 33, 385-390.	10.0	96
23	Impact of humic substances on the aqueous solubility, uptake and bioaccumulation of platinum, palladium and rhodium in exposure studies with <i>Dreissena polymorpha</i> . Environmental Pollution, 2007, 146, 444-451.	7.5	49
24	Uptake and bioaccumulation of platinum group metals (Pd, Pt, Rh) from automobile catalytic converter materials by the zebra mussel ( <i>Dreissena polymorpha</i> ). Environmental Research, 2005, 98, 203-209.	7.5	82
25	Induction of heat shock proteins (hsp70) in the zebra mussel ( <i>Dreissena polymorpha</i> ) following exposure to platinum group metals (platinum, palladium and rhodium): Comparison with lead and cadmium exposures. Aquatic Toxicology, 2005, 75, 65-75.	4.0	81
26	Significance of platinum group metals emitted from automobile exhaust gas converters for the biosphere. Environmental Science and Pollution Research, 2004, 11, 194-199.	5.3	82
27	Determination of Pt, Pd and Rh in biological samples by electrothermal atomic absorption spectrometry as compared with adsorptive cathodic stripping voltammetry and total-reflection X-ray fluorescence analysis. Analytica Chimica Acta, 2003, 498, 93-104.	5.4	72
28	Biological availability of traffic-related platinum group elements (palladium, platinum, and rhodium) and other metals to the zebra mussel ( <i>Dreissena polymorpha</i> ) in water containing road dust. Environmental Toxicology and Chemistry, 2002, 21, 2713-2718.	4.3	80
29	Relevance and analysis of traffic related platinum group metals (Pt, Pd, Rh) in the aquatic biosphere, with emphasis on palladium. Ecotoxicology, 2002, 11, 385-392.	2.4	73
30	Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures. Analytica Chimica Acta, 2001, 439, 203-209.	5.4	104