

Martina G Vijver

List of Publications by Citations

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159
papers

5,073
citations

37
h-index

64
g-index

164
ext. papers

6,221
ext. citations

7
avg, IF

6.2
L-index

#	Paper	IF	Citations
159	Internal metal sequestration and its ecotoxicological relevance: a review. <i>Environmental Science & Technology</i> , 2004 , 38, 4705-12	10.3	346
158	Monitoring metals in terrestrial environments within a bioavailability framework and a focus on soil extraction. <i>Ecotoxicology and Environmental Safety</i> , 2007 , 67, 163-79	7	242
157	Oral sealing using glue: a new method to distinguish between intestinal and dermal uptake of metals in earthworms. <i>Soil Biology and Biochemistry</i> , 2003 , 35, 125-132	7.5	235
156	A large-scale investigation of microplastic contamination: Abundance and characteristics of microplastics in European beach sediment. <i>Marine Pollution Bulletin</i> , 2017 , 123, 219-226	6.7	198
155	Microplastics accumulate on pores in seed capsule and delay germination and root growth of the terrestrial vascular plant <i>Lepidium sativum</i> . <i>Chemosphere</i> , 2019 , 226, 774-781	8.4	185
154	A standardized method for sampling and extraction methods for quantifying microplastics in beach sand. <i>Marine Pollution Bulletin</i> , 2017 , 114, 77-83	6.7	156
153	Toxicity and accumulation of Cu and ZnO nanoparticles in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2015 , 49, 4657-64	10.3	122
152	Exploring uptake and biodistribution of polystyrene (nano)particles in zebrafish embryos at different developmental stages. <i>Aquatic Toxicology</i> , 2017 , 190, 40-45	5.1	110
151	Pesticide mixtures in streams of several European countries and the USA. <i>Science of the Total Environment</i> , 2016 , 573, 680-689	10.2	100
150	Response predictions for organisms water-exposed to metal mixtures: a meta-analysis. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 1482-7	3.8	89
149	Pathway analysis of systemic transcriptome responses to injected polystyrene particles in zebrafish larvae. <i>Aquatic Toxicology</i> , 2017 , 190, 112-120	5.1	88
148	Biological significance of metals partitioned to subcellular fractions within earthworms (<i>Aporrectodea caliginosa</i>). <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 807-14	3.8	85
147	Particle-specific toxic effects of differently shaped zinc oxide nanoparticles to zebrafish embryos (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2859-68	3.8	76
146	Species-specific toxicity of copper nanoparticles among mammalian and piscine cell lines. <i>Nanotoxicology</i> , 2014 , 8, 383-93	5.3	73
145	Reproductive toxicity of primary and secondary microplastics to three cladocerans during chronic exposure. <i>Environmental Pollution</i> , 2019 , 249, 638-646	9.3	71
144	Metal uptake from soils and soil-sediment mixtures by larvae of <i>Tenebrio molitor</i> (L.) (Coleoptera). <i>Ecotoxicology and Environmental Safety</i> , 2003 , 54, 277-89	7	68
143	Polystyrene nanoplastics disrupt glucose metabolism and cortisol levels with a possible link to behavioural changes in larval zebrafish. <i>Communications Biology</i> , 2019 , 2, 382	6.7	66

142	Effect of soil washing with biodegradable chelators on the toxicity of residual metals and soil biological properties. <i>Science of the Total Environment</i> , 2018 , 625, 1021-1029	10.2	64
141	A comparative analysis on the in vivo toxicity of copper nanoparticles in three species of freshwater fish. <i>Chemosphere</i> , 2015 , 139, 181-9	8.4	61
140	Setting the stage for debating the roles of risk assessment and life-cycle assessment of engineered nanomaterials. <i>Nature Nanotechnology</i> , 2017 , 12, 727-733	28.7	61
139	Toxicity of different-sized copper nano- and submicron particles and their shed copper ions to zebrafish embryos. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1774-82	3.8	60
138	Uptake kinetics of metals by the earthworm <i>Eisenia fetida</i> exposed to field-contaminated soils. <i>Environmental Pollution</i> , 2009 , 157, 2622-8	9.3	58
137	Nanoparticles induce dermal and intestinal innate immune system responses in zebrafish embryos. <i>Environmental Science: Nano</i> , 2018 , 5, 904-916	7.1	54
136	How subcellular partitioning can help to understand heavy metal accumulation and elimination kinetics in snails. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1284	3.8	52
135	Macro-invertebrate decline in surface water polluted with imidacloprid: a rebuttal and some new analyses. <i>PLoS ONE</i> , 2014 , 9, e89837	3.7	47
134	Consideration of the bioavailability of metal/metalloid species in freshwaters: experiences regarding the implementation of biotic ligand model-based approaches in risk assessment frameworks. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 7405-21	5.1	46
133	Surface adsorption of metals onto the earthworm <i>Lumbricus rubellus</i> and the isopod <i>Porcellio scaber</i> is negligible compared to absorption in the body. <i>Science of the Total Environment</i> , 2005 , 340, 271-80	10.2	46
132	A comparison of fate and toxicity of selenite, biogenically, and chemically synthesized selenium nanoparticles to zebrafish (<i>Danio rerio</i>) embryogenesis. <i>Nanotoxicology</i> , 2017 , 11, 87-97	5.3	45
131	Acute sensitivity of three Cladoceran species to different types of microplastics in combination with thermal stress. <i>Environmental Pollution</i> , 2018 , 239, 733-740	9.3	45
130	Biphasic elimination and uptake kinetics of Zn and Cd in the earthworm <i>Lumbricus rubellus</i> exposed to contaminated floodplain soil. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 1843-1851	7.5	45
129	Toxicological mixture models are based on inadequate assumptions. <i>Environmental Science & Technology</i> , 2010 , 44, 4841-2	10.3	44
128	Silver Nanoparticles, Ions, and Shape Governing Soil Microbial Functional Diversity: Nano Shapes Micro. <i>Frontiers in Microbiology</i> , 2016 , 7, 1123	5.7	43
127	Predicting effects of cations on copper toxicity to lettuce (<i>Lactuca sativa</i>) by the biotic ligand model. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 355-9	3.8	42
126	Brood pouch-mediated polystyrene nanoparticle uptake during <i>Daphnia magna</i> embryogenesis. <i>Nanotoxicology</i> , 2017 , 11, 1059-1069	5.3	42
125	Impact of metal pools and soil properties on metal accumulation in <i>Folsomia candida</i> (Collembola). <i>Environmental Toxicology and Chemistry</i> , 2001 , 20, 712-720	3.8	42

124	Metal accumulation in the earthworm <i>Lumbricus rubellus</i> . Model predictions compared to field data. <i>Environmental Pollution</i> , 2007 , 146, 428-36	9.3	39
123	Kinetics of Zn and Cd accumulation in the isopod <i>Porcellio scaber</i> exposed to contaminated soil and/or food. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1554-1563	7.5	38
122	Towards Nanowire Tandem Junction Solar Cells on Silicon. <i>IEEE Journal of Photovoltaics</i> , 2018 , 8, 733-740	9.7	37
121	Ecological effects of diffuse mixed pollution are site-specific and require higher-tier risk assessment to improve site management decisions: a discussion paper. <i>Science of the Total Environment</i> , 2008 , 406, 503-17	10.2	37
120	Determining metal origins and availability in fluvial deposits by analysis of geochemical baselines and solid-solution partitioning measurements and modelling. <i>Environmental Pollution</i> , 2008 , 156, 832-9	9.3	37
119	Significant decline of <i>Daphnia magna</i> population biomass due to microplastic exposure. <i>Environmental Pollution</i> , 2019 , 250, 669-675	9.3	36
118	Plastic particles adsorb to the roots of freshwater vascular plant <i>Spirodela polyrhiza</i> but do not impair growth. <i>Limnology and Oceanography Letters</i> , 2020 , 5, 37-45	7.9	36
117	Comparative toxicity of copper nanoparticles across three Lemnaceae species. <i>Science of the Total Environment</i> , 2015 , 518-519, 217-24	10.2	35
116	Modeling toxicity of binary metal mixtures (Cu(2+) -Ag(+), Cu(2+) -Zn(2+)) to lettuce, <i>Lactuca sativa</i> , with the biotic ligand model. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 137-43	3.8	35
115	Toxicity of copper nanoparticles to <i>Daphnia magna</i> under different exposure conditions. <i>Science of the Total Environment</i> , 2016 , 563-564, 81-8	10.2	35
114	Analytical approaches for characterizing and quantifying engineered nanoparticles in biological matrices from an (eco)toxicological perspective: old challenges, new methods and techniques. <i>Science of the Total Environment</i> , 2019 , 660, 1283-1293	10.2	35
113	Foliar versus root exposure of AgNPs to lettuce: Phytotoxicity, antioxidant responses and internal translocation. <i>Environmental Pollution</i> , 2020 , 261, 114117	9.3	34
112	Remediation of heavy metal contaminated soil by biodegradable chelator-induced washing: Efficiencies and mechanisms. <i>Environmental Research</i> , 2020 , 186, 109554	7.9	32
111	Spatial and temporal variation of watertype-specific no-effect concentrations and risks of Cu, Ni, and Zn. <i>Environmental Science & Technology</i> , 2011 , 45, 6049-56	10.3	32
110	Evaluating the Combined Toxicity of Cu and ZnO Nanoparticles: Utility of the Concept of Additivity and a Nested Experimental Design. <i>Environmental Science & Technology</i> , 2016 , 50, 5328-37	10.3	32
109	Feasibility of Chinese cabbage (<i>Brassica bara</i>) and lettuce (<i>Lactuca sativa</i>) cultivation in heavily metals contaminated soil after washing with biodegradable chelators. <i>Journal of Cleaner Production</i> , 2018 , 197, 479-490	10.3	32
108	Health Risks Awareness of Electronic Waste Workers in the Informal Sector in Nigeria. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	31
107	Interactions of cadmium and zinc impact their toxicity to the earthworm <i>Aporrectodea caliginosa</i> . <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 2084-93	3.8	31

106	Predicting copper toxicity to different earthworm species using a multicomponent Freundlich model. <i>Environmental Science & Technology</i> , 2013 , 47, 4796-803	10.3	29
105	Postregistration monitoring of pesticides is urgently required to protect ecosystems. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 860-865	3.8	28
104	Impact of water chemistry on the behavior and fate of copper nanoparticles. <i>Environmental Pollution</i> , 2018 , 234, 684-691	9.3	28
103	Impact of metal pools and soil properties on metal accumulation in <i>Folsomia candida</i> (Collembola). <i>Environmental Toxicology and Chemistry</i> , 2001 , 20, 712-20	3.8	28
102	Importance of exposure dynamics of metal-based nano-ZnO, -Cu and -Pb governing the metabolic potential of soil bacterial communities. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 145, 349-358	7	27
101	Copper in the terrestrial environment: Verification of a laboratory-derived terrestrial biotic ligand model to predict earthworm mortality with toxicity observed in field soils. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1788-1796	7.5	27
100	Resource niche overlap promotes stability of bacterial community metabolism in experimental microcosms. <i>Frontiers in Microbiology</i> , 2015 , 6, 105	5.7	26
99	Prevalence and injury patterns among electronic waste workers in the informal sector in Nigeria. <i>Injury Prevention</i> , 2018 , 24, 185-192	3.2	26
98	Impact of water chemistry on the particle-specific toxicity of copper nanoparticles to <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2018 , 610-611, 1329-1335	10.2	26
97	Impact of imidacloprid on <i>Daphnia magna</i> under different food quality regimes. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 621-31	3.8	25
96	Modelling metal-metal interactions and metal toxicity to lettuce <i>Lactuca sativa</i> following mixture exposure (Cu ²⁺ -Zn ²⁺ and Cu ²⁺ -Ag ⁺). <i>Environmental Pollution</i> , 2013 , 176, 185-92	9.3	25
95	Development of methods for extraction and analytical characterization of carbon-based nanomaterials (nanoplastics and carbon nanotubes) in biological and environmental matrices by asymmetrical flow field-flow fractionation. <i>Environmental Pollution</i> , 2019 , 255, 113304	9.3	24
94	Dissolution and aggregation kinetics of zero valent copper nanoparticles in (simulated) natural surface waters: Simultaneous effects of pH, NOM and ionic strength. <i>Chemosphere</i> , 2019 , 226, 841-850	8.4	24
93	Summary and analysis of the currently existing literature data on metal-based nanoparticles published for selected aquatic organisms: Applicability for toxicity prediction by (Q)SARs. <i>ATLA Alternatives To Laboratory Animals</i> , 2015 , 43, 221-40	2.1	24
92	Development of nanostructure-activity relationships assisting the nanomaterial hazard categorization for risk assessment and regulatory decision-making. <i>RSC Advances</i> , 2016 , 6, 52227-52235	3.7	24
91	Assessing toxicity of copper nanoparticles across five cladoceran species. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1863-9	3.8	23
90	Developing species sensitivity distributions for metallic nanomaterials considering the characteristics of nanomaterials, experimental conditions, and different types of endpoints. <i>Food and Chemical Toxicology</i> , 2018 , 112, 563-570	4.7	23
89	Method for Extraction and Quantification of Metal-Based Nanoparticles in Biological Media: Number-Based Biodistribution and Bioconcentration. <i>Environmental Science & Technology</i> , 2019 , 53, 946-953	10.3	23

88	Determining global distribution of microplastics by combining citizen science and in-depth case studies. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 536-541	2.5	22
87	Impact of informal electronic waste recycling on metal concentrations in soils and dusts. <i>Environmental Research</i> , 2018 , 164, 385-394	7.9	21
86	Spatial and temporal analysis of pesticides concentrations in surface water: pesticides atlas. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2008 , 43, 665-74	2.2	21
85	Green and Clean: Reviewing the Justification of Claims for Nanomaterials from a Sustainability Point of View. <i>Sustainability</i> , 2018 , 10, 689	3.6	20
84	Impacts of major cations (K(+), Na (+), Ca (2+), Mg (2+)) and protons on toxicity predictions of nickel and cadmium to lettuce (<i>Lactuca sativa</i> L.) using exposure models. <i>Ecotoxicology</i> , 2014 , 23, 385-95	2.9	20
83	Comparing three approaches in extending biotic ligand models to predict the toxicity of binary metal mixtures (Cu-Ni, Cu-Zn and Cu-Ag) to lettuce (<i>Lactuca sativa</i> L.). <i>Chemosphere</i> , 2014 , 112, 282-8	8.4	20
82	Impact of pH on Cu accumulation kinetics in earthworm cytosol. <i>Environmental Science & Technology</i> , 2007 , 41, 2255-60	10.3	20
81	Metal-specific interactions at the interface of chemistry and biology. <i>Pure and Applied Chemistry</i> , 2007 , 79, 2351-2366	2.1	19
80	Incorporating bioavailability into toxicity assessment of Cu-Ni, Cu-Cd, and Ni-Cd mixtures with the extended biotic ligand model and the WHAM-F(tox) approach. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 19213-23	5.1	18
79	TiO ₂ nanoparticles reduce the effects of ZnO nanoparticles and Zn ions on zebrafish embryos (<i>Danio rerio</i>). <i>NanoImpact</i> , 2016 , 2, 45-53	5.6	18
78	Effects of agricultural practices on organic matter degradation in ditches. <i>Scientific Reports</i> , 2016 , 6, 21474	4.9	18
77	Tannic acid promotes ion release of copper oxide nanoparticles: Impacts from solution pH change and complexation reactions. <i>Water Research</i> , 2017 , 127, 59-67	12.5	17
76	Metal sorption onto nanoscale plastic debris and trojan horse effects in <i>Daphnia magna</i> : Role of dissolved organic matter. <i>Water Research</i> , 2020 , 186, 116410	12.5	17
75	Life cycle assessment of emerging technologies at the lab scale: The case of nanowire-based solar cells. <i>Journal of Industrial Ecology</i> , 2020 , 24, 193-204	7.2	17
74	Health Risks of Polybrominated Diphenyl Ethers (PBDEs) and Metals at Informal Electronic Waste Recycling Sites. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	16
73	A Review of Recent Advances towards the Development of (Quantitative) Structure-Activity Relationships for Metallic Nanomaterials. <i>Materials</i> , 2017 , 10,	3.5	16
72	Current Knowledge on the Use of Computational Toxicology in Hazard Assessment of Metallic Engineered Nanomaterials. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	16
71	Can commonly measurable traits explain differences in metal accumulation and toxicity in earthworm species?. <i>Ecotoxicology</i> , 2014 , 23, 21-32	2.9	16

70	Statistically significant deviations from additivity: What do they mean in assessing toxicity of mixtures?. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 122, 37-44	7	15
69	Metal accumulation in earthworms inhabiting floodplain soils. <i>Environmental Pollution</i> , 2007 , 148, 132-40	9.3	15
68	Emerging investigator series: the dynamics of particle size distributions need to be accounted for in bioavailability modelling of nanoparticles. <i>Environmental Science: Nano</i> , 2018 , 5, 2473-2481	7.1	14
67	Assessing combined impacts of agrochemicals: Aquatic macroinvertebrate population responses in outdoor mesocosms. <i>Science of the Total Environment</i> , 2018 , 631-632, 341-347	10.2	13
66	Investigating short-term exposure to electromagnetic fields on reproductive capacity of invertebrates in the field situation. <i>Electromagnetic Biology and Medicine</i> , 2014 , 33, 21-8	2.2	13
65	Simplification of biotic ligand models of Cu, Ni, and Zn by 1-, 2-, and 3-parameter transfer functions. <i>Integrated Environmental Assessment and Management</i> , 2012 , 8, 738-48	2.5	13
64	Compositional alterations in soil bacterial communities exposed to TiO nanoparticles are not reflected in functional impacts. <i>Environmental Research</i> , 2019 , 178, 108713	7.9	12
63	The fate and toxicity of Pb-based perovskite nanoparticles on soil bacterial community: Impacts of pH, humic acid, and divalent cations. <i>Chemosphere</i> , 2020 , 249, 126564	8.4	12
62	Thiacloprid-induced toxicity influenced by nutrients: Evidence from in situ bioassays in experimental ditches. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1907-1915	3.8	11
61	A Novel Experimental and Modelling Strategy for Nanoparticle Toxicity Testing Enabling the Use of Small Quantities. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	11
60	Pressure-Induced Shifts in Trophic Linkages in a Simplified Aquatic Food Web. <i>Frontiers in Environmental Science</i> , 2017 , 5,	4.8	11
59	Uncertainty of water type-specific hazardous copper concentrations derived with biotic ligand models. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 2311-9	3.8	11
58	How subcellular partitioning can help to understand heavy metal accumulation and elimination kinetics in snails. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1284-92	3.8	11
57	Do the joint effects of size, shape and ecocorona influence the attachment and physical eco(cyto)toxicity of nanoparticles to algae?. <i>Nanotoxicology</i> , 2020 , 14, 310-325	5.3	11
56	Variability in fish bioconcentration factors: Influences of study design and consequences for regulation. <i>Chemosphere</i> , 2020 , 239, 124731	8.4	10
55	Microbially-mediated indirect effects of silver nanoparticles on aquatic invertebrates. <i>Aquatic Sciences</i> , 2018 , 80, 1	2.5	10
54	Dose metrics assessment for differently shaped and sized metal-based nanoparticles. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2466-2473	3.8	9
53	Environmental levels of neonicotinoids reduce prey consumption, mobility and emergence of the damselfly <i>Ischnura elegans</i> . <i>Journal of Applied Ecology</i> , 2019 , 56, 2034-2044	5.8	9

52	Interaction of zero valent copper nanoparticles with algal cells under simulated natural conditions: Particle dissolution kinetics, uptake and heteroaggregation. <i>Science of the Total Environment</i> , 2019 , 689, 133-140	10.2	9
51	The promoted dissolution of copper oxide nanoparticles by dissolved humic acid: Copper complexation over particle dispersion. <i>Chemosphere</i> , 2020 , 245, 125612	8.4	9
50	An across-species comparison of the sensitivity of different organisms to Pb-based perovskites used in solar cells. <i>Science of the Total Environment</i> , 2020 , 708, 135134	10.2	9
49	Particle number-based trophic transfer of gold nanomaterials in an aquatic food chain. <i>Nature Communications</i> , 2021 , 12, 899	17.4	9
48	Earthworms and Their Use in Eco(toxico)logical Modeling. <i>Emerging Topics in Ecotoxicology</i> , 2009 , 177-204		9
47	Hydrophobic Organic Pollutants in Soils and Dusts at Electronic Waste Recycling Sites: Occurrence and Possible Impacts of Polybrominated Diphenyl Ethers. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	8
46	Colonizing microbiota protect zebrafish larvae against silver nanoparticle toxicity. <i>Nanotoxicology</i> , 2020 , 14, 725-739	5.3	8
45	Delineating ion-ion interactions by electrostatic modeling for predicting rhizotoxicity of metal mixtures to lettuce <i>Lactuca sativa</i> . <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1988-95	3.8	8
44	Multimetal accumulation in crustaceans in surface water related to body size and water chemistry. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 2269-80	3.8	8
43	Are Technological Developments Improving the Environmental Sustainability of Photovoltaic Electricity?. <i>Energy Technology</i> , 2020 , 8, 1901064	3.5	8
42	Quantifying the relative contribution of particulate versus dissolved silver to toxicity and uptake kinetics of silver nanowires in lettuce: impact of size and coating. <i>Nanotoxicology</i> , 2020 , 14, 1399-1414	5.3	8
41	Metals and Metalloids in Terrestrial Systems: Bioaccumulation, Biomagnification and Subsequent Adverse Effects 2011 , 43-62		7
40	Agricultural constraints on microbial resource use and niche breadth in drainage ditches. <i>PeerJ</i> , 2017 , 5, e4175	3.1	7
39	Bioavailability in Soils 2011 , 721-746		7
38	Comparison and evaluation of pesticide monitoring programs using a process-based mixture model. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 3113-3123	3.8	7
37	A Dose Metrics Perspective on the Association of Gold Nanomaterials with Algal Cells. <i>Environmental Science and Technology Letters</i> , 2019 , 6, 732-738	11	7
36	Neonicotinoids and fertilizers jointly structure naturally assembled freshwater macroinvertebrate communities. <i>Science of the Total Environment</i> , 2019 , 691, 36-44	10.2	6
35	Experimental evidence for neonicotinoid driven decline in aquatic emerging insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6

34	Parental and trophic transfer of nanoscale plastic debris in an assembled aquatic food chain as a function of particle size. <i>Environmental Pollution</i> , 2021 , 269, 116066	9.3	6
33	Application of low dosage of copper oxide and zinc oxide nanoparticles boosts bacterial and fungal communities in soil. <i>Science of the Total Environment</i> , 2021 , 757, 143807	10.2	6
32	Multiscale Coupling Strategy for Nano Ecotoxicology Prediction. <i>Environmental Science & Technology</i> , 2018 , 52, 7598-7600	10.3	6
31	Refinement and cross-validation of nickel bioavailability in PNEC-Pro, a regulatory tool for site-specific risk assessment of metals in surface water. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 2367-2376	3.8	5
30	Experimental determinations of soil copper toxicity to lettuce (<i>Lactuca sativa</i>) growth in highly different copper spiked and aged soils. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 5283-92	5.1	5
29	Environmental impacts of III-V/silicon photovoltaics: life cycle assessment and guidance for sustainable manufacturing. <i>Energy and Environmental Science</i> , 2020 , 13, 4280-4290	35.4	5
28	Graphene nanoplatelets and reduced graphene oxide elevate the microalgal cytotoxicity of nano-zirconium oxide. <i>Chemosphere</i> , 2021 , 276, 130015	8.4	5
27	Systematic selection of a dose metric for metal-based nanoparticles. <i>NanoImpact</i> , 2019 , 13, 70-75	5.6	4
26	Compositional and predicted functional dynamics of soil bacterial community in response to single pulse and repeated dosing of titanium dioxide nanoparticles. <i>NanoImpact</i> , 2019 , 16, 100187	5.6	4
25	Modeling cadmium and nickel toxicity to earthworms with the free ion approach. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 438-46	3.8	4
24	Interaction between a nano-formulation of atrazine and rhizosphere bacterial communities: atrazine degradation and bacterial community alterations. <i>Environmental Science: Nano</i> , 2020 , 7, 3372-3384	7.1	4
23	Probing nano-QSAR to assess the interactions between carbon nanoparticles and a SARS-CoV-2 RNA fragment. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 219, 112357	7	4
22	Development of a Quasi-QSAR Model for Prediction of the Immobilization Response of <i>Daphnia magna</i> Exposed to Metal-Based Nanomaterials.. <i>Environmental Toxicology and Chemistry</i> , 2022 ,	3.8	4
21	Toxicity models of metal mixtures established on the basis of Additivity and Interactions. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1	5.8	3
20	Spatial and temporal homogenisation of freshwater macrofaunal communities in ditches. <i>Freshwater Biology</i> , 2019 , 64, 2260-2268	3.1	3
19	Ex ante life cycle assessment of GaAs/Si nanowire-based tandem solar cells: a benchmark for industrialization. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 1767-1782	4.6	3
18	Adsorption of titanium dioxide nanoparticles onto zebrafish eggs affects colonizing microbiota. <i>Aquatic Toxicology</i> , 2021 , 232, 105744	5.1	3
17	Partitioning the impact of environmental drivers and species interactions in dynamic aquatic communities. <i>Ecosphere</i> , 2019 , 10, e02910	3.1	3

16	Method for extraction of nanoscale plastic debris from soil. <i>Analytical Methods</i> , 2021 , 13, 1576-1583	3.2	3
15	The analytical quest for sub-micron plastics in biological matrices. <i>Nano Today</i> , 2021 , 41, 101296	17.9	3
14	Safe-and-Sustainable-by-Design Framework Based on a Prospective Life Cycle Assessment: Lessons Learned from a Nano-Titanium Dioxide Case Study.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	3
13	Engineered nanoselenium supplemented fish diet: toxicity comparison with ionic selenium and stability against particle dissolution, aggregation and release. <i>Environmental Science: Nano</i> , 2020 , 7, 2325-2336 ²	7.1	2
12	Smart nanotoxicity testing for biodiversity conservation. <i>Environmental Science & Technology</i> , 2011 , 45, 6229-30	10.3	2
11	Trophic Transfer and Toxicity of (Mixtures of) Ag and TiO Nanoparticles in the Lettuce-Terrestrial Snail Food Chain. <i>Environmental Science & Technology</i> , 2021 ,	10.3	2
10	Prediction of the Joint Toxicity of Multiple Engineered Nanoparticles: The Integration of Classic Mixture Models and Methods. <i>Chemical Research in Toxicology</i> , 2021 , 34, 176-178	4	2
9	Effects of humic substances on the aqueous stability of cerium dioxide nanoparticles and their toxicity to aquatic organisms. <i>Science of the Total Environment</i> , 2021 , 781, 146583	10.2	2
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