

Willie Peijnenburg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

361
papers

12,420
citations

57
h-index

95
g-index

378
ext. papers

14,463
ext. citations

7.1
avg, IF

6.68
L-index

#	Paper	IF	Citations
361	Potential Application of Machine-Learning-Based Quantum Chemical Methods in Environmental Chemistry.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
360	Refinement of the selection of physicochemical properties for grouping and read-across of nanoforms.. <i>NanoImpact</i> , 2022 , 25, 100375	5.6	2
359	Quantitative tracing of uptake and transport of submicrometre plastics in crop plants using lanthanide chelates as a dual-functional tracer.. <i>Nature Nanotechnology</i> , 2022 ,	28.7	9
358	Bayesian based similarity assessment of nanomaterials to inform grouping.. <i>NanoImpact</i> , 2022 , 25, 100389	5.6	1
357	Ordered weighted average based grouping of nanomaterials with Arsinh and dose response similarity models.. <i>NanoImpact</i> , 2022 , 25, 100370	5.6	2
356	How can we justify grouping of nanoforms for hazard assessment? Concepts and tools to quantify similarity.. <i>NanoImpact</i> , 2022 , 25, 100366	5.6	7
355	Improved science-based transformation pathways for the development of safe and sustainable plastics.. <i>Environment International</i> , 2022 , 160, 107055	12.9	
354	Effects of natural organic matter on the joint toxicity and accumulation of Cu nanoparticles and ZnO nanoparticles in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2022 , 292, 118413	9.3	1
353	Delineation of the exposure-response causality chain of chronic copper toxicity to the zebra mussel, <i>Dreissena polymorpha</i> , with a TK-TD model based on concepts of biotic ligand model and subcellular metal partitioning model. <i>Chemosphere</i> , 2022 , 286, 131930	8.4	1
352	An Overview of Methodologies for Tracing and Quantifying Microplastics in Environmental Samples 2022 , 21-46		0
351	Immunotoxic effects of metal-based nanoparticles in fish and bivalves.. <i>Nanotoxicology</i> , 2022 , 1-26	5.3	1
350	Stoichiometric ratios for biotics and xenobiotics capture effective metabolic coupling to re(de)fine biodegradation.. <i>Water Research</i> , 2022 , 217, 118333	12.5	
349	Similarity assessment of metallic nanoparticles within a risk assessment framework: A case study on metallic nanoparticles and lettuce.. <i>NanoImpact</i> , 2022 , 26, 100397	5.6	0
348	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
347	Aggregation, solubility and cadmium-adsorption capacity of CuO nanoparticles in aquatic environments: Effects of pH, natural organic matter and component addition sequence.. <i>Journal of Environmental Management</i> , 2022 , 310, 114770	7.9	0
346	Applicability of nanomaterial-specific guidelines within long-term <i>Daphnia magna</i> toxicity assays: A case study on multigenerational effects of nTiO and nCeO exposure in the presence of artificial daylight.. <i>Regulatory Toxicology and Pharmacology</i> , 2022 , 131, 105156	3.4	0
345	UV/ozone induced physicochemical transformations of polystyrene nanoparticles and their aggregation tendency and kinetics with natural organic matter in aqueous systems.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128790	12.8	0

344	Microbiota-dependent TLR2 signaling reduces silver nanoparticle toxicity to zebrafish larvae.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 237, 113522	7	0
343	Photochemical degradation pathways of cell-free antibiotic resistance genes in water under simulated sunlight irradiation: Experimental and quantum chemical studies.. <i>Chemosphere</i> , 2022 , 302, 134879	8.4	
342	Machine learning predicts ecological risks of nanoparticles to soil microbial communities. <i>Environmental Pollution</i> , 2022 , 119528	9.3	1
341	Copper accumulation and physiological markers of soybean (<i>Glycine max</i>) grown in agricultural soil amended with copper nanoparticles.. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 229, 113088	7	0
340	The Differences between the Effects of a Nanoformulation and a Conventional Form of Atrazine to Lettuce: Physiological Responses, Defense Mechanisms, and Nutrient Displacement. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 12527-12540	5.7	1
339	Development of a toxicokinetic-toxicodynamic model simulating chronic copper toxicity to the Zebra mussel based on subcellular fractionation. <i>Aquatic Toxicology</i> , 2021 , 241, 106015	5.1	1
338	Adsorption of titanium dioxide nanoparticles onto zebrafish eggs affects colonizing microbiota. <i>Aquatic Toxicology</i> , 2021 , 232, 105744	5.1	3
337	Effect of UV/chlorine treatment on photophysical and photochemical properties of dissolved organic matter. <i>Water Research</i> , 2021 , 192, 116857	12.5	7
336	Compositional and functional responses of bacterial community to titanium dioxide nanoparticles varied with soil heterogeneity and exposure duration. <i>Science of the Total Environment</i> , 2021 , 773, 144895	10.2	3
335	The stochastic association of nanoparticles with algae at the cellular level: Effects of NOM, particle size and particle shape. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 218, 112280	7	2
334	Identification of emerging safety and sustainability issues of advanced materials: Proposal for a systematic approach.. <i>NanoImpact</i> , 2021 , 23, 100342	5.6	3
333	Alteration of dominant cyanobacteria in different bloom periods caused by abiotic factors and species interactions. <i>Journal of Environmental Sciences</i> , 2021 , 99, 1-9	6.4	30
332	Dynamic release and transformation of metallic copper colloids in flooded paddy soil: Role of soil reducible sulfate and temperature. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123462	12.8	2
331	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
330	The crucial role of a protein corona in determining the aggregation kinetics and colloidal stability of polystyrene nanoplastics. <i>Water Research</i> , 2021 , 190, 116742	12.5	21
329	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
328	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
327	Method for extraction of nanoscale plastic debris from soil. <i>Analytical Methods</i> , 2021 , 13, 1576-1583	3.2	3

326	Particle number-based trophic transfer of gold nanomaterials in an aquatic food chain. <i>Nature Communications</i> , 2021 , 12, 899	17.4	9
325	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
324	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
323	The Relative Contributions of Complexation, Dispersing, and Adsorption of Tannic Acid to the Dissolution of Copper Oxide Nanoparticles. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	
322	Graphene nanoplatelets and reduced graphene oxide elevate the microalgal cytotoxicity of nano-zirconium oxide. <i>Chemosphere</i> , 2021 , 276, 130015	8.4	5
321	Taxon-toxicity study of fish to typical transition metals: Most sensitive species are edible fish. <i>Environmental Pollution</i> , 2021 , 284, 117154	9.3	0
320	Particle-Specific Toxicity of Copper Nanoparticles to Soybean (<i>Glycine max</i> L.): Effects of Nanoparticle Concentration and Natural Organic Matter. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 2825-2835	3.8	1
319	Effects of extracellular polymeric substances on silver nanoparticle bioaccumulation and toxicity to <i>Triticum aestivum</i> L. <i>Chemosphere</i> , 2021 , 280, 130863	8.4	3
318	The analytical quest for sub-micron plastics in biological matrices. <i>Nano Today</i> , 2021 , 41, 101296	17.9	3
317	Cyanobacterial blooms contribute to the diversity of antibiotic-resistance genes in aquatic ecosystems. <i>Communications Biology</i> , 2020 , 3, 737	6.7	14
316	A Method to Assess the Relevance of Nanomaterial Dissolution During Reactivity Testing. <i>Materials</i> , 2020 , 13,	3.5	13
315	Coupling mixture reference models with DGT-perceived metal flux for deciphering the nonadditive effects of rare earth mixtures to wheat in soils. <i>Environmental Research</i> , 2020 , 188, 109736	7.9	3
314	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	
313	Oxidative stress actuated by cellulose nanocrystals and nanofibrils in aquatic organisms of different trophic levels. <i>NanoImpact</i> , 2020 , 17, 100211	5.6	6
312	Development of a quantitative structure-activity relationship model for mechanistic interpretation and quantum yield prediction of singlet oxygen generation from dissolved organic matter. <i>Science of the Total Environment</i> , 2020 , 712, 136450	10.2	9
311	The shuttling effects and associated mechanisms of different types of iron oxide nanoparticles for Cu(II) reduction by <i>Geobacter sulfurreducens</i> . <i>Journal of Hazardous Materials</i> , 2020 , 393, 122390	12.8	6
310	Understanding Dissolution Rates via Continuous Flow Systems with Physiologically Relevant Metal Ion Saturation in Lysosome. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
309	Elucidating Toxicodynamic Differences at the Molecular Scale between ZnO Nanoparticles and ZnCl ₂ in via Nontargeted Metabolomics. <i>Environmental Science & Technology</i> , 2020 , 54, 3487-3498	10.3	16

308	Effective Modeling Framework for Quantifying the Potential Impacts of Coexisting Anions on the Toxicity of Arsenate, Selenite, and Vanadate. <i>Environmental Science & Technology</i> , 2020 , 54, 2379-2388	10.3	7
307	Strategies for determining heteroaggregation attachment efficiencies of engineered nanoparticles in aquatic environments. <i>Environmental Science: Nano</i> , 2020 , 7, 351-367	7.1	35
306	Foliar versus root exposure of AgNPs to lettuce: Phytotoxicity, antioxidant responses and internal translocation. <i>Environmental Pollution</i> , 2020 , 261, 114117	9.3	34
305	Implementation of Bioavailability in Prospective and Retrospective Risk Assessment of Chemicals in Soils and Sediments. <i>Handbook of Environmental Chemistry</i> , 2020 , 391-422	0.8	3
304	Rhizosphere Microbiome Assembly and Its Impact on Plant Growth. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5024-5038	5.7	77
303	Colonizing microbiota protect zebrafish larvae against silver nanoparticle toxicity. <i>Nanotoxicology</i> , 2020 , 14, 725-739	5.3	8
302	Remediation of heavy metal contaminated soil by biodegradable chelator-induced washing: Efficiencies and mechanisms. <i>Environmental Research</i> , 2020 , 186, 109554	7.9	32
301	Thermochemical unification of molecular descriptors to predict radical hydrogen abstraction with low computational cost. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 23215-23225	3.6	2
300	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
299	A review of recent advances towards the development of QSAR models for toxicity assessment of ionic liquids. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121429	12.8	35
298	Prediction of octanol-air partition coefficients for PCBs at different ambient temperatures based on the solvation free energy and the dimer ratio. <i>Chemosphere</i> , 2020 , 242, 125246	8.4	4
297	Are Technological Developments Improving the Environmental Sustainability of Photovoltaic Electricity?. <i>Energy Technology</i> , 2020 , 8, 1901064	3.5	8
296	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. <i>Environmental Science: Nano</i> , 2020 , 7, 13-36	7.1	23
295	Interactions of CeO nanoparticles with natural colloids and electrolytes impact their aggregation kinetics and colloidal stability. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121973	12.8	16
294	Offspring toxicity of silver nanoparticles to Arabidopsis thaliana flowering and floral development. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121975	12.8	33
293	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
292	Insights into the transcriptional responses of a microbial community to silver nanoparticles in a freshwater microcosm. <i>Environmental Pollution</i> , 2020 , 258, 113727	9.3	22
291	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

290	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
289	Bioavailability and phytotoxicity of rare earth metals to <i>Triticum aestivum</i> under various exposure scenarios. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111346	7	3
288	Impact of CeO nanoparticles on the aggregation kinetics and stability of polystyrene nanoplastics: Importance of surface functionalization and solution chemistry. <i>Water Research</i> , 2020 , 186, 116324	12.5	22
287	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
286	Environmental impacts of IIIIV/silicon photovoltaics: life cycle assessment and guidance for sustainable manufacturing. <i>Energy and Environmental Science</i> , 2020 , 13, 4280-4290	35.4	5
285	Effective uptake of submicrometre plastics by crop plants via a crack-entry mode. <i>Nature Sustainability</i> , 2020 , 3, 929-937	22.1	191
284	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
283	Environmental Risk Assessment (ERA) of the application of nanoscience and nanotechnology in the food and feed chain. <i>EFSA Supporting Publications</i> , 2020 , 17, 1948E	1.1	2
282	Rethinking Nano-TiO Safety: Overview of Toxic Effects in Humans and Aquatic Animals. <i>Small</i> , 2020 , 16, e2002019	11	39
281	Simulated sunlight-induced inactivation of tetracycline resistant bacteria and effects of dissolved organic matter. <i>Water Research</i> , 2020 , 185, 116241	12.5	13
280	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
279	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
278	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
277	Disentanglement of the chemical, physical, and biological processes aids the development of quantitative structure-biodegradation relationships for aerobic wastewater treatment. <i>Science of the Total Environment</i> , 2020 , 708, 133863	10.2	14
276	Variability in fish bioconcentration factors: Influences of study design and consequences for regulation. <i>Chemosphere</i> , 2020 , 239, 124731	8.4	10
275	Transition-state rate theory sheds light on Black-box biodegradation algorithms. <i>Green Chemistry</i> , 2020 , 22, 3558-3571	10	3
274	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
273	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

272	Combined effects of dissolved organic matter, pH, ionic strength and halides on photodegradation of oxytetracycline in simulated estuarine waters. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 155-162	4.3	15
271	Systematic selection of a dose metric for metal-based nanoparticles. <i>NanoImpact</i> , 2019 , 13, 70-75	5.6	4
270	The effect of capping agents on the toxicity of silver nanoparticles to <i>Danio rerio</i> embryos. <i>Nanotoxicology</i> , 2019 , 13, 1-13	5.3	22
269	Evaluating environmental risk assessment models for nanomaterials according to requirements along the product innovation Stage-Gate process. <i>Environmental Science: Nano</i> , 2019 , 6, 505-518	7.1	20
268	Next-Generation Multifunctional Carbon-Metal Nanohybrids for Energy and Environmental Applications. <i>Environmental Science & Technology</i> , 2019 , 53, 7265-7287	10.3	73
267	A model sensitivity analysis to determine the most important physicochemical properties driving environmental fate and exposure of engineered nanoparticles. <i>Environmental Science: Nano</i> , 2019 , 6, 2049-2060	7.1	18
266	The cation competition and electrostatic theory are equally valid in quantifying the toxicity of trivalent rare earth ions (Y and Ce) to <i>Triticum aestivum</i> . <i>Environmental Pollution</i> , 2019 , 250, 456-463	9.3	12
265	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
264	Interactive effects of rice straw biochar and FAO on immobilization of Zn. <i>Journal of Hazardous Materials</i> , 2019 , 373, 250-257	12.8	24
263	Evaluation of the taxonomic and functional variation of freshwater plankton communities induced by trace amounts of the antibiotic ciprofloxacin. <i>Environment International</i> , 2019 , 126, 268-278	12.9	43
262	Development of a nano-QSPR model to predict band gaps of spherical metal oxide nanoparticles.. <i>RSC Advances</i> , 2019 , 9, 8426-8434	3.7	6
261	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
260	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
259	The biodistribution and immuno-responses of differently shaped non-modified gold particles in zebrafish embryos. <i>Nanotoxicology</i> , 2019 , 13, 558-571	5.3	21
258	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
257	The dispersion, stability, and resuspension of C in environmental water matrices. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 25538-25549	5.1	1
256	Trace amounts of fenofibrate acid sensitize the photodegradation of bezafibrate in effluents: Mechanisms, degradation pathways, and toxicity evaluation. <i>Chemosphere</i> , 2019 , 235, 900-907	8.4	20
255	Rate constants of hydroxyl radicals reaction with different dissociation species of fluoroquinolones and sulfonamides: Combined experimental and QSAR studies. <i>Water Research</i> , 2019 , 166, 115083	12.5	21

254	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
253	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
252	A DFT/TDDFT study on the mechanisms of direct and indirect photodegradation of tetrabromobisphenol A in water. <i>Chemosphere</i> , 2019 , 220, 40-46	8.4	1
251	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
250	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
249	Nanoparticles induce dermal and intestinal innate immune system responses in zebrafish embryos. <i>Environmental Science: Nano</i> , 2018 , 5, 904-916	7.1	54
248	Investigation of Rhizospheric Microbial Communities in Wheat, Barley, and Two Rice Varieties at the Seedling Stage. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 2645-2653	5.7	38
247	Towards Nanowire Tandem Junction Solar Cells on Silicon. <i>IEEE Journal of Photovoltaics</i> , 2018 , 8, 733-740	9.7	37
246	Toxicity of mixtures of zinc oxide and graphene oxide nanoparticles to aquatic organisms of different trophic level: particles outperform dissolved ions. <i>Nanotoxicology</i> , 2018 , 12, 423-438	5.3	41
245	Directions in QPPR development to complement the predictive models used in risk assessment of nanomaterials. <i>NanoImpact</i> , 2018 , 11, 58-66	5.6	14
244	Combining ex-ante LCA and EHS screening to assist green design: A case study of cellulose nanocrystal foam. <i>Journal of Cleaner Production</i> , 2018 , 178, 494-506	10.3	18
243	Impact of water chemistry on the behavior and fate of copper nanoparticles. <i>Environmental Pollution</i> , 2018 , 234, 684-691	9.3	28
242	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
241	Dissipative particle dynamic simulation and experimental assessment of the impacts of humic substances on aqueous aggregation and dispersion of engineered nanoparticles. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1024-1031	3.8	5
240	Trophic transfer of Cd from duckweed (<i>Lemna minor</i> L.) to tilapia (<i>Oreochromis mossambicus</i>). <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1367-1377	3.8	10
239	Impact of copper nanoparticles and ionic copper exposure on wheat (<i>Triticum aestivum</i> L.) root morphology and antioxidant response. <i>Environmental Pollution</i> , 2018 , 239, 689-697	9.3	70
238	Impact of informal electronic waste recycling on metal concentrations in soils and dusts. <i>Environmental Research</i> , 2018 , 164, 385-394	7.9	21
237	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

236	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
235	The interactive effects of diclofop-methyl and silver nanoparticles on <i>Arabidopsis thaliana</i> : Growth, photosynthesis and antioxidant system. <i>Environmental Pollution</i> , 2018 , 232, 212-219	9.3	61
234	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
233	Best Paper Award. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1783-1785	3.8	
232	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
231	Phytotoxic effects of silver nanoparticles and silver ions to <i>Arabidopsis thaliana</i> as revealed by analysis of molecular responses and of metabolic pathways. <i>Science of the Total Environment</i> , 2018 , 644, 1070-1079	10.2	59
230	Unveiling the important roles of coexisting contaminants on photochemical transformations of pharmaceuticals: Fibrate drugs as a case study. <i>Journal of Hazardous Materials</i> , 2018 , 358, 216-221	12.8	15
229	Multiwalled carbon nanotubes modulate paraquat toxicity in <i>Arabidopsis thaliana</i> . <i>Environmental Pollution</i> , 2018 , 233, 633-641	9.3	44
228	Modelling the toxicity of a large set of metal and metal oxide nanoparticles using the OCHEM platform. <i>Food and Chemical Toxicology</i> , 2018 , 112, 507-517	4.7	30
227	Silicon nanoparticles: characterization and toxicity studies. <i>Environmental Science: Nano</i> , 2018 , 5, 2945-2951	9.1	8
226	Effects of lomefloxacin on survival, growth and reproduction of <i>Daphnia magna</i> under simulated sunlight radiation. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 63-70	7	4
225	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
224	Use of quantum-chemical descriptors to analyse reaction rate constants between organic chemicals and superoxide/hydroperoxyl (O/HO). <i>Free Radical Research</i> , 2018 , 52, 1118-1131	4	12
223	Toward harmonizing ecotoxicity characterization in life cycle impact assessment. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2955-2971	3.8	38
222	DFT/TDDFT insights into effects of dissociation and metal complexation on photochemical behavior of enrofloxacin in water. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 30609-30616	5.1	5
221	Oral bioaccessibility of silver nanoparticles and ions in natural soils: Importance of soil properties. <i>Environmental Pollution</i> , 2018 , 243, 364-373	9.3	11
220	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
219	Multiscale Coupling Strategy for Nano Ecotoxicology Prediction. <i>Environmental Science & Technology</i> , 2018 , 52, 7598-7600	10.3	6

218	Development of a QSAR model for predicting aqueous reaction rate constants of organic chemicals with hydroxyl radicals. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 350-356	4.3	24
217	Modelling toxicity of metal mixtures: A generalisation of new advanced methods, considering potential application to terrestrial ecosystems. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 409-454	11.1	7
216	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
215	Quantitative structure-activity relationships for green algae growth inhibition by polymer particles. <i>Chemosphere</i> , 2017 , 179, 49-56	8.4	20
214	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
213	Characteristics of cadmium uptake and membrane transport in roots of intact wheat (<i>Triticum aestivum</i> L.) seedlings. <i>Environmental Pollution</i> , 2017 , 221, 351-358	9.3	38
212	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
211	Aqueous-phase photooxygenation of enes, amines, sulfides and polycyclic aromatics by singlet (1O_2) oxygen: prediction of rate constants using orbital energies, substituent factors and quantitative structure-property relationships. <i>Environmental Chemistry</i> , 2017 , 14, 442	3.2	11
210	Considerations for Safe Innovation: The Case of Graphene. <i>ACS Nano</i> , 2017 , 11, 9574-9593	16.7	68
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