

CITATION REPORT

List of articles citing

Predicted Releases of Engineered Nanomaterials: From Global to Regional to Local

DOI: 10.1021/ez400106t

Environmental Science and Technology Letters, 2014,
1, 65-70.

Source: <https://exaly.com/paper-pdf/58989537/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
613	Awareness on adverse effects of nanotechnology increases negative perception among public: survey study from Singapore. 2014 , 16, 1		25
612	Current status and future direction for examining engineered nanoparticles in natural systems. 2014 , 11, 351		88
611	Toxicity of engineered nanomaterials and their transformation products following wastewater treatment on A549 human lung epithelial cells. 2014 , 1, 871-876		13
610	Life Cycle Assessment of Green Nanoparticle Synthesis Methods. 2014 , 31, 410-420		35
609	Particle-size dependent accumulation and trophic transfer of cerium oxide through a terrestrial food chain. 2014 , 48, 13102-9		120
608	Influence of clay particles on the transport and retention of titanium dioxide nanoparticles in quartz sand. 2014 , 48, 7323-32		93
607	Material Flow Analysis of Carbon Nanotube Lithium-Ion Batteries Used in Portable Computers. 2014 , 2, 1642-1648		18
606	Applications and implications of nanoceria reactivity: measurement tools and environmental impact. 2014 , 1, 445-458		54
605	Characterization of particle emissions and fate of nanomaterials during incineration. 2014 , 1, 133-143		52
604	Evaluation of exposure concentrations used in assessing manufactured nanomaterial environmental hazards: are they relevant?. 2014 , 48, 10541-51		145
603	Entrapment and Removal of Carbon Nanotubes and Fullerenes by Coprecipitation with Calcium Carbonate Beads. 2014 , 2, 2275-2282		4
602	Multimedia environmental distribution of engineered nanomaterials. 2014 , 48, 3281-92		171
601	Estimating Potential Life Cycle Releases of Engineered Nanomaterials from Wastewater Treatment Plants. 2014 , 2, 1656-1665		156
600	Release of engineered nanomaterials from personal care products throughout their life cycle. 2014 , 16, 1		104
599	Accumulation and Toxicity of Copper Oxide Engineered Nanoparticles in a Marine Mussel. 2014 , 4, 535-547		28
598	Macroscopic assessment of nanosilver toxicity to soil denitrification kinetics. 2014 , 43, 1424-30		12
597	The Importance of Exposure Dose in Communicating the Ecotoxicology of Engineered Nanomaterials. 2015 , 123-152		

596	Probabilistic modelling of prospective environmental concentrations of gold nanoparticles from medical applications as a basis for risk assessment. 2015 , 13, 93	44
595	Environmental geochemistry of cerium: applications and toxicology of cerium oxide nanoparticles. 2015 , 12, 1253-78	208
594	Modeling flows and concentrations of nine engineered nanomaterials in the Danish environment. 2015 , 12, 5581-602	164
593	Physical, chemical, and in vitro toxicological characterization of nanoparticles in chemical mechanical planarization suspensions used in the semiconductor industry: towards environmental health and safety assessments. 2015 , 2, 227-244	46
592	Stream dynamics and chemical transformations control the environmental fate of silver and zinc oxide nanoparticles in a watershed-scale model. 2015 , 49, 7285-93	75
591	Probabilistic modelling of engineered nanomaterial emissions to the environment: a spatio-temporal approach. 2015 , 2, 340-351	65
590	Metal-based nanotoxicity and detoxification pathways in higher plants. 2015 , 49, 7109-22	247
589	Coordinating modeling and experimental research of engineered nanomaterials to improve life cycle assessment studies. 2015 , 2, 669-682	36
588	Impact of nanoparticles on human and environment: review of toxicity factors, exposures, control strategies, and future prospects. 2015 , 22, 4122-43	212
587	Spectroscopic Characterization of TiO ₂ Polymorphs in Wastewater Treatment and Sediment Samples. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 12-18	11 29
586	A system-of-systems approach as a broad and integrated paradigm for sustainable engineered nanomaterials. 2015 , 511, 595-607	26
585	Understanding the transformation, speciation, and hazard potential of copper particles in a model septic tank system using zebrafish to monitor the effluent. 2015 , 9, 2038-48	46
584	Modeling nanomaterial environmental fate in aquatic systems. 2015 , 49, 2587-93	209
583	Elemental copper nanoparticle toxicity to different trophic groups involved in anaerobic and anoxic wastewater treatment processes. 2015 , 512-513, 308-315	20
582	Influences of use activities and waste management on environmental releases of engineered nanomaterials. 2015 , 535, 160-71	58
581	Advanced oxidation (H ₂ O ₂ and/or UV) of functionalized carbon nanotubes (CNT-OH and CNT-COOH) and its influence on the stabilization of CNTs in water and tannic acid solution. 2015 , 200, 161-7	24
580	Current limitations and challenges in nanowaste detection, characterisation and monitoring. 2015 , 43, 407-20	55
579	Combined Toxicity of Nano-ZnO and Nano-TiO ₂ : From Single- to Multinanomaterial Systems. 2015 , 49, 8113-23	114

578	Heteroaggregation, transformation and fate of CeO ₂ nanoparticles in wastewater treatment. 2015 , 203, 122-129	46
577	Heteroaggregation of engineered nanoparticles and kaolin clays in aqueous environments. 2015 , 80, 130-8	104
576	Interaction of carbonaceous nanomaterials with wastewater biomass. 2015 , 9, 823-831	15
575	Bioavailability of Zn in ZnO nanoparticle-spiked soil and the implications to maize plants. 2015 , 17, 1	57
574	MWCNT uptake in <i>Allium cepa</i> root cells induces cytotoxic and genotoxic responses and results in DNA hyper-methylation. 2015 , 774, 49-58	104
573	Water treatment by H ₂ O ₂ and/or UV affects carbon nanotube (CNT) properties and fate in water and tannic acid solution. 2015 , 22, 20198-206	10
572	Environmental Stresses Increase Photosynthetic Disruption by Metal Oxide Nanomaterials in a Soil-Grown Plant. 2015 , 9, 11737-49	77
571	Heteroaggregation of nanoparticles with biocolloids and geocolloids. 2015 , 226, 24-36	116
570	Enhanced disinfection by-product formation due to nanoparticles in wastewater treatment plant effluents. 2015 , 1, 823-831	18
569	An integrated methodology for the assessment of environmental health implications during thermal decomposition of nano-enabled products. 2015 , 2, 262-272	35
568	The Flows of Engineered Nanomaterials from Production, Use, and Disposal to the Environment. 2015 , 209-231	6
567	Heteroaggregation of multiwalled carbon nanotubes with sediments. 2015 , 4, 42-50	15
566	Integrating life cycle assessment into managing potential EHS risks of engineered nanomaterials: reviewing progress to date. 2015 , 17, 1	22
565	Effects of Natural Organic Matter Properties on the Dissolution Kinetics of Zinc Oxide Nanoparticles. 2015 , 49, 11476-84	80
564	Metal Oxide Nanoparticles Induce Minimal Phenotypic Changes in a Model Colon Gut Microbiota. 2015 , 32, 602-612	59
563	Environmental life cycle assessment of nanosilver-enabled bandages. 2015 , 49, 361-8	70
562	Much ado about reframing the debate over appropriate fate descriptors in nanoparticle environmental risk modeling. 2015 , 2, 27-32	39
561	Behaviour of titanium dioxide and zinc oxide nanoparticles in the presence of wastewater-derived organic matter and implications for algal toxicity. 2015 , 2, 86-93	26

560	Photocatalytic properties of titanium dioxide nanoparticles affect habitat selection of and food quality for a key species in the leaf litter decomposition process. 2015 , 196, 276-83	11
559	Copper Oxide Nanoparticles Impact Several Toxicological Endpoints and Cause Neurodegeneration in <i>Caenorhabditis elegans</i> . 2016 , 11, e0167613	39
558	Modelling the Release, Transport and Fate of Engineered Nanoparticles in the Aquatic Environment - A Review. 2017 , 243, 53-87	4
557	Engineered nanomaterials in waste streams. 2016 , 51, 1-2	7
556	Dynamic Probabilistic Modeling of Environmental Emissions of Engineered Nanomaterials. 2016 , 50, 4701-11	327
555	Impacts of metal-based engineered nanomaterials on soil communities. 2016 , 3, 506-533	105
554	Using Mung Beans as a Simple, Informative Means To Evaluate the Phytotoxicity of Engineered Nanomaterials and Introduce the Concept of Nanophytotoxicity to Undergraduate Students. 2016 , 93, 1428-1433	3
553	A comparison of the effects of silver nanoparticles and silver nitrate on a suite of soil dwelling organisms in two field soils. 2016 , 10, 1144-51	39
552	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. 2016 , 50, 6124-45	165
551	Enhanced Dissolution and Transformation of ZnO Nanoparticles: The Role of Inositol Hexakisphosphate. 2016 , 50, 5651-60	45
550	Exploring the need for creating a standardized approach to managing nanowaste based on similar experiences from other wastes. 2016 , 3, 946-952	8
549	Influence of shear forces on the aggregation and sedimentation behavior of cerium dioxide (CeO ₂) nanoparticles under different hydrochemical conditions. 2016 , 18, 1	11
548	End-of-life thermal decomposition of nano-enabled polymers: effect of nanofiller loading and polymer matrix on by-products. 2016 , 3, 1293-1305	24
547	Defense mechanisms and nutrient displacement in <i>Arabidopsis thaliana</i> upon exposure to CeO ₂ and In ₂ O ₃ nanoparticles. 2016 , 3, 1369-1379	102
546	Synthesis, characterization, and ecotoxicity of CeO ₂ nanoparticles with differing properties. 2016 , 18, 1	12
545	Engineered Gold Nanoparticles and Plant Adaptation Potential. 2016 , 11, 400	88
544	Substrate- and plant-mediated removal of citrate-coated silver nanoparticles in constructed wetlands. 2016 , 23, 21920-21926	25
543	Fate and Characterization Factors of Nanoparticles in Seventeen Subcontinental Freshwaters: A Case Study on Copper Nanoparticles. 2016 , 50, 9370-9	33

542	Long-term effects of CuO nanoparticles on the surface physicochemical properties of biofilms in a sequencing batch biofilm reactor. 2016 , 100, 9629-9639	18
541	Montmorillonite clay alters toxicity of silver nanoparticles in zebrafish (<i>Danio rerio</i>) eleutheroembryo. 2016 , 163, 242-251	21
540	The sorption of the nonsteroidal anti-inflammatory drugs diclofenac and naproxen onto UV and/or H ₂ O ₂ treated MWCNT-COOH and MWCNT-OH. 2016 , 6, 110383-110392	7
539	Dissolved Organic Matter or Salts Change the Bioavailability Processes and Toxicity of the Nanoscale Tetravalent Lead Corrosion Product PbO to Medaka Fish. 2016 , 50, 11292-11301	10
538	Attenuation of Microbial Stress Due to Nano-Ag and Nano-TiO Interactions under Dark Conditions. 2016 , 50, 11302-11310	30
537	Semi-quantitative analysis of solid waste flows from nano-enabled consumer products in Europe, Denmark and the United Kingdom - Abundance, distribution and management. 2016 , 56, 584-92	17
536	Effect of ZnO nanoparticles in the oxygen uptake during aerobic wastewater treatment. 2016 , 18, 1	11
535	TiO ₂ nanoparticles alter iron homeostasis in <i>Pseudomonas brassicacearum</i> as revealed by PrrF sRNA modulation. 2016 , 3, 1473-1482	9
534	Are engineered nano iron oxide particles safe? an environmental risk assessment by probabilistic exposure, effects and risk modeling. 2016 , 10, 1545-1554	21
533	Traceability of fluorescent engineered nanomaterials and their fate in complex liquid waste matrices. 2016 , 214, 795-805	11
532	Surface speciation of myo-inositol hexakisphosphate adsorbed on TiO ₂ nanoparticles and its impact on their colloidal stability in aqueous suspension: A comparative study with orthophosphate. 2016 , 544, 134-42	17
531	Design Defines the Effects of Nanoceria at a Low Dose on Soil Microbiota and the Potentiation of Impacts by the Canola Plant. 2016 , 50, 6892-901	18
530	Multimedia environmental fate and speciation of engineered nanoparticles: a probabilistic modeling approach. 2016 , 3, 715-727	55
529	The interactions of UV and/or H ₂ O ₂ treated CNTOH and CNTCOOH with environmental fulvic acids. 2016 , 150, 173-181	4
528	Soil organic matter influences cerium translocation and physiological processes in kidney bean plants exposed to cerium oxide nanoparticles. 2016 , 569-570, 201-211	56
527	Arbuscular mycorrhizae alleviate negative effects of zinc oxide nanoparticle and zinc accumulation in maize plants--A soil microcosm experiment. 2016 , 147, 88-97	145
526	Effects of copper particles on a model septic system's function and microbial community. 2016 , 91, 350-60	13
525	Thermal decomposition of nano-enabled thermoplastics: Possible environmental health and safety implications. 2016 , 305, 87-95	46

524	Testing nanoeffect onto model bacteria: Impact of speciation and genotypes. 2016 , 10, 216-25	5
523	Sorption of diclofenac and naproxen onto MWCNT in model wastewater treated by H ₂ O ₂ and/or UV. 2016 , 149, 272-8	31
522	A critical review of engineered nanomaterial release data: Are current data useful for material flow modeling?. 2016 , 213, 502-517	79
521	Dissolution and Persistence of Copper-Based Nanomaterials in Undersaturated Solutions with Respect to Cupric Solid Phases. 2016 , 50, 6772-81	42
520	Survey of food-grade silica dioxide nanomaterial occurrence, characterization, human gut impacts and fate across its lifecycle. 2016 , 565, 902-912	40
519	Modeling nanomaterial fate and uptake in the environment: current knowledge and future trends. 2016 , 3, 323-345	86
518	Toward responsible development and effective risk management of nano-enabled products in the U.S. construction industry. 2016 , 18, 1	20
517	Cerium oxide nanoparticles induce oxidative stress in the sediment-dwelling amphipod <i>Corophium volutator</i> . 2016 , 10, 480-7	23
516	Probabilistic modeling of the flows and environmental risks of nano-silica. 2016 , 545-546, 67-76	58
515	Effects of uncoated and citric acid coated cerium oxide nanoparticles, bulk cerium oxide, cerium acetate, and citric acid on tomato plants. 2016 , 563-564, 956-64	97
514	The impacts of engineered nanomaterials (ENMs) on anaerobic digestion processes. 2016 , 51, 308-313	30
513	Exposure of engineered nanomaterials to plants: Insights into the physiological and biochemical responses-A review. 2017 , 110, 236-264	240
512	Nutritional quality assessment of tomato fruits after exposure to uncoated and citric acid coated cerium oxide nanoparticles, bulk cerium oxide, cerium acetate and citric acid. 2017 , 110, 100-107	43
511	Effect of nano-ZnO on biogas generation from simulated landfills. 2017 , 63, 18-26	13
510	Single-particle multi-element fingerprinting (spMEF) using inductively-coupled plasma time-of-flight mass spectrometry (ICP-TOFMS) to identify engineered nanoparticles against the elevated natural background in soils. 2017 , 4, 307-314	96
509	Toxicological Implications of Released Particulate Matter during Thermal Decomposition of Nano-Enabled Thermoplastics. 2017 , 5, 29-40	16
508	Detection and dissolution of needle-like hydroxyapatite nanomaterials in infant formula. 2017 , 5, 22-28	24
507	Life cycle energy benefits of carbon nanotubes for electromagnetic interference (EMI) shielding applications. 2017 , 142, 1971-1978	26

506	Surface coating changes the physiological and biochemical impacts of nano-TiO in basil (<i>Ocimum basilicum</i>) plants. 2017 , 222, 64-72	49
505	Laboratory Scale Microbial Food Chain To Study Bioaccumulation, Biomagnification, and Ecotoxicity of Cadmium Telluride Quantum Dots. 2017 , 51, 1695-1706	26
504	Relative Contributions of Copper Oxide Nanoparticles and Dissolved Copper to Cu Uptake Kinetics of Gulf Killifish (<i>Fundulus grandis</i>) Embryos. 2017 , 51, 1395-1404	34
503	Microplastic Exposure Assessment in Aquatic Environments: Learning from Similarities and Differences to Engineered Nanoparticles. 2017 , 51, 2499-2507	103
502	A model for screening and prioritizing consumer nanoproduct risks: A case study from South Africa. 2017 , 100, 121-131	11
501	Heteroagglomeration of zinc oxide nanoparticles with clay mineral modulates the bioavailability and toxicity of nanoparticle in <i>Tetrahymena pyriformis</i> . 2017 , 495, 9-18	28
500	What Factors Determine the Retention Behavior of Engineered Nanomaterials in Saturated Porous Media?. 2017 , 51, 2729-2737	9
499	The bioaccumulation of silver in <i>Eisenia andrei</i> exposed to silver nanoparticles and silver nitrate in soil. 2017 , 6, 11-18	26
498	Transport and abatement of fluorescent silica nanoparticle (SiO ₂ NP) in granular filtration: effect of porous media and ionic strength. 2017 , 19, 1	4
497	Looking for engineered nanoparticles (ENPs) in wastewater treatment systems: Qualification and quantification aspects. 2017 , 590-591, 809-817	26
496	Titanium Dioxide Nanoparticles Alleviate Tetracycline Toxicity to <i>Arabidopsis thaliana</i> (L.). 2017 , 5, 3204-3213	41
495	Envisioning Nano Release Dynamics in a Changing World: Using Dynamic Probabilistic Modeling to Assess Future Environmental Emissions of Engineered Nanomaterials. 2017 , 51, 2854-2863	91
494	Plant Response to Engineered Metal Oxide Nanoparticles. 2017 , 12, 92	150
493	Fate of metallic engineered nanomaterials in constructed wetlands: prospection and future research perspectives. 2017 , 16, 207-222	25
492	Acute Effects of Engineered Nanoparticles on the Growth and Gas Exchange of <i>Zea mays</i> L. What are the Underlying Causes?. 2017 , 228, 1	13
491	Nanofiller Presence Enhances Polycyclic Aromatic Hydrocarbon (PAH) Profile on Nanoparticles Released during Thermal Decomposition of Nano-enabled Thermoplastics: Potential Environmental Health Implications. 2017 , 51, 5222-5232	22
490	Effects of carbon nanotubes on phosphorus adsorption behaviors on aquatic sediments. 2017 , 142, 230-236	6
489	Cotransport of human adenoviruses with clay colloids and TiO nanoparticles in saturated porous media: Effect of flow velocity. 2017 , 598, 160-167	39

488	From Nano to Micro: using nanotechnology to combat microorganisms and their multidrug resistance. 2017 , 41, 302-322	116
487	Toxicological assessment of nano and micron-sized tungsten oxide after 28days repeated oral administration to Wistar rats. 2017 , 819, 1-13	22
486	The toxicity of silver to soil organisms exposed to silver nanoparticles and silver nitrate in biosolids-amended field soil. 2017 , 36, 2756-2765	22
485	Assessing the Risk of Engineered Nanomaterials in the Environment: Development and Application of the nanoFate Model. 2017 , 51, 5541-5551	160
484	Heteroaggregation of graphene oxide nanoparticles and kaolinite colloids. 2017 , 579, 736-744	48
483	Continuum-based models and concepts for the transport of nanoparticles in saturated porous media: A state-of-the-science review. 2017 , 246, 75-104	76
482	Toxic effects of three crystalline phases of TiO nanoparticles on extracellular polymeric substances in freshwater biofilms. 2017 , 241, 276-283	31
481	Standardized toxicity testing may underestimate ecotoxicity: Environmentally relevant food rations increase the toxicity of silver nanoparticles to Daphnia. 2017 , 36, 3008-3018	15
480	Transport, retention, and long-term release behavior of polymer-coated silver nanoparticles in saturated quartz sand: The impact of natural organic matters and electrolyte. 2017 , 229, 49-59	24
479	Time-resolved toxicity study reveals the dynamic interactions between uncoated silver nanoparticles and bacteria. 2017 , 11, 637-646	17
478	Visualization of transport and fate of nano and micro-scale particles in porous media: modeling coupled effects of ionic strength and size. 2017 , 4, 1025-1036	7
477	The impact of nanoparticles on aerobic degradation of municipal solid waste. 2017 , 35, 426-436	8
476	Life Cycle of Nanoparticles in the Environment. 2017 , 333-346	1
475	Influence of cerium oxide nanoparticles on the soil enzyme activities in a soil-grass microcosm system. 2017 , 299, 54-62	32
474	Toward a systematic exploration of nano-bio interactions. 2017 , 323, 66-73	37
473	Effects of polyphosphates and orthophosphate on the dissolution and transformation of ZnO nanoparticles. 2017 , 176, 255-265	20
472	Engineered nano particles: Nature, behavior, and effect on the environment. 2017 , 196, 297-315	123
471	Effect of natural organic matter on the photo-induced toxicity of titanium dioxide nanoparticles. 2017 , 36, 1661-1666	23

470	Ecophysiological perspectives on engineered nanomaterial toxicity in fish and crustaceans. 2017 , 193, 30-41	20
469	Weathering in soil increases nanoparticle CuO bioaccumulation within a terrestrial food chain. 2017 , 11, 98-111	58
468	Influence of wastewater type on the impact generated by TiO nanoparticles on the oxygen uptake rate in activated sludge process. 2017 , 190, 35-44	16
467	Analysis of metallic and metal oxide nanomaterial environmental emissions. 2017 , 143, 401-412	40
466	Effects of ZnO nanoparticle exposure on wastewater treatment and soluble microbial products (SMPs) in an anoxic-aerobic membrane bioreactor. 2017 , 171, 446-459	36
465	Natural amelioration of Zinc oxide nanoparticle toxicity in fenugreek (Trigonella foenum-gracum) by arbuscular mycorrhizal (Glomus intraradices) secretion of glomalin. 2017 , 112, 227-238	46
464	Improving the prediction of environmental fate of engineered nanomaterials by fractal modelling. 2017 , 99, 78-86	10
463	Impact of tetracycline on the toxic effects of titanium dioxide (TiO) nanoparticles towards the freshwater algal species, Scenedesmus obliquus. 2017 , 193, 168-177	22
462	Effects of weathering and rainfall conditions on the release of SiO ₂ , Ag, and TiO ₂ engineered nanoparticles from paints. 2017 , 19, 1	9
461	Cerium(IV) oxide nanoparticles induce sublethal changes in honeybees after chronic exposure. 2017 , 4, 2297-2310	12
460	Environmentally relevant concentrations of amine-functionalized copper nanoparticles exhibit different mechanisms of bioactivity in Fundulus Heteroclitus in fresh and brackish water. 2017 , 11, 1070-1085	8
459	Recent advances in nanomaterials for water protection and monitoring. 2017 , 46, 6946-7020	332
458	Dynamic Model for the Stocks and Release Flows of Engineered Nanomaterials. 2017 , 51, 12424-12433	45
457	Preparation of mesoporous magnetic Fe ₂ O ₃ nanoparticle and its application for organic dyes removal. 2017 , 248, 13-18	35
456	Application of Turbiscan in the homoaggregation and heteroaggregation of copper nanoparticles. 2017 , 535, 96-104	36
455	Terrestrial Nanotoxicology: Evaluating the Nano-Biointeractions in Vascular Plants. 2017 , 21-42	2
454	The Effects of Low Concentrations of Silver Nanoparticles on Wheat Growth, Seed Quality, and Soil Microbial Communities. 2017 , 228, 1	28
453	Simulating Multiwalled Carbon Nanotube Transport in Surface Water Systems Using the Water Quality Analysis Simulation Program (WASP). 2017 , 51, 11174-11184	19

452	Environmental impact and potential health risks of 2D nanomaterials. 2017 , 4, 1617-1633	54
451	Impact of Nanomaterials on the Aquatic Food Chain. 2017 , 309-333	4
450	Different sizes of ZnO diversely affected the cytogenesis of the sea urchin <i>Paracentrotus lividus</i> . 2017 , 607-608, 176-183	16
449	Influence of multi-walled carbon nanotubes and fullerenes on the bioaccumulation and elimination kinetics of phenanthrene in geophagous earthworms (<i>Metaphire guillelmi</i>). 2017 , 4, 1887-1899	7
448	Fate and transformation of nanoparticles (NPs) in municipal wastewater treatment systems and effects of NPs on the biological treatment of wastewater: a review. 2017 , 7, 37065-37075	36
447	Effects of biosolids from a wastewater treatment plant receiving manufactured nanomaterials on <i>Medicago truncatula</i> and associated soil microbial communities at low nanomaterial concentrations. 2017 , 609, 799-806	23
446	Impacts of silver nanoparticles on the nutrient removal and functional bacterial community in vertical subsurface flow constructed wetlands. 2017 , 243, 1216-1226	36
445	Discovery and ramifications of incidental Magn β phase generation and release from industrial coal-burning. 2017 , 8, 194	30
444	Evaluation of environmental exposure models for engineered nanomaterials in a regulatory context. 2017 , 8, 38-47	67
443	Uptake and toxicity of CuO nanoparticles to <i>Daphnia magna</i> varies between indirect dietary and direct waterborne exposures. 2017 , 190, 78-86	32
442	Distinguishable co-transport mechanisms of phenanthrene and oxytetracycline with oxidized-multiwalled carbon nanotubes through saturated soil and sediment columns: vehicle and competition effects. 2017 , 108, 271-279	29
441	Effects of CeO, CuO, and ZnO nanoparticles on physiological features of <i>Microcystis aeruginosa</i> and the production and composition of extracellular polymeric substances. 2017 , 24, 226-235	30
440	Biological effects of TiO and CeO nanoparticles on the growth, photosynthetic activity, and cellular components of a marine diatom <i>Phaeodactylum tricornutum</i> . 2017 , 575, 87-96	79
439	Integrated biological responses and tissue-specific expression of p53 and ras genes in marine mussels following exposure to benzo(a)pyrene and C60 fullerenes, either alone or in combination. 2017 , 32, 77-90	27
438	Impact of Metal and Metal Oxide Nanoparticles on Plant: A Critical Review. 2017 , 5, 78	332
437	Current Knowledge on the Use of Computational Toxicology in Hazard Assessment of Metallic Engineered Nanomaterials. 2017 , 18,	16
436	Collembola Reproduction Decreases with Aging of Silver Nanoparticles in a Sewage Sludge-Treated Soil. 2017 , 5,	15
435	Gold nanoparticles partition to and increase the activity of glucose-6-phosphatase in a synthetic phospholipid membrane system. 2017 , 12, e0183274	4

434	Development and application of a digestion-Raman analysis approach for studying multiwall carbon nanotube uptake in lettuce. 2018 , 5, 659-668	14
433	A review of the fate of engineered nanomaterials in municipal solid waste streams. 2018 , 75, 427-449	57
432	Genotoxicity and physiological effects of CeO NPs on a freshwater bivalve (<i>Corbicula fluminea</i>). 2018 , 198, 141-148	17
431	Detection and Quantification of Graphene-Family Nanomaterials in the Environment. 2018 , 52, 4491-4513	99
430	Cerium dioxide (CeO) nanoparticles decrease arsenite (As(III)) cytotoxicity to 16HBE14o- human bronchial epithelial cells. 2018 , 164, 452-458	19
429	Aggregation and transport of rutile titanium dioxide nanoparticles with montmorillonite and diatomite in the presence of phosphate in porous sand. 2018 , 204, 327-334	21
428	Characterization of polymer-coated CdSe/ZnS quantum dots and investigation of their behaviour in soil solution at relevant concentration by asymmetric flow field-flow fractionation - multi angle light scattering - inductively coupled plasma - mass spectrometry. 2018 , 1028, 104-112	17
427	Detection of nanoparticles in edible plant tissues exposed to nano-copper using single-particle ICP-MS. 2018 , 20, 1	60
426	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects-An updated review. 2018 , 37, 2029-2063	291
425	Redefining environmental nanomaterial flows: consequences of the regulatory nanomaterial definition on the results of environmental exposure models. 2018 , 5, 1372-1385	23
424	Transcriptomic approach: A promising tool for rapid screening nanomaterial-mediated toxicity in the marine bivalve <i>Mytilus edulis</i> -Application to copper oxide nanoparticles. 2018 , 205, 26-33	11
423	The significance of nanomaterial post-exposure responses in <i>Daphnia magna</i> standard acute immobilisation assay: Example with testing TiO nanoparticles. 2018 , 152, 61-66	10
422	Sub-lethal doses of widespread nanoparticles promote antifungal activity in <i>Pseudomonas protegens</i> CHA0. 2018 , 627, 658-662	21
421	Environmentally Persistent Free Radicals: Insights on a New Class of Pollutants. 2018 , 52, 2468-2481	103
420	A seasonal observation on the distribution of engineered nanoparticles in municipal wastewater treatment systems exemplified by TiO and ZnO. 2018 , 625, 1321-1329	41
419	Synergistic Bacterial Stress Results from Exposure to Nano-Ag and Nano-TiO Mixtures under Light in Environmental Media. 2018 , 52, 3185-3194	27
418	Risks, Release and Concentrations of Engineered Nanomaterial in the Environment. 2018 , 8, 1565	211
417	Label it or ban it? Public perceptions of nano-food labels and propositions for banning nano-food applications. 2018 , 20, 1	14

416	Modeling the fate and end-of-life phase of engineered nanomaterials in the Japanese construction sector. 2018 , 72, 389-398	15
415	Interaction of titanium dioxide nanoparticles with soil components and plants: current knowledge and future research needs critical review . 2018 , 5, 257-278	107
414	Environmental risk assessment of engineered nano-SiO ₂ , nano iron oxides, nano-CeO ₂ , nano-Al ₂ O ₃ , and quantum dots. 2018 , 37, 1387-1395	33
413	Dynamic probabilistic material flow analysis of nano-SiO ₂ , nano iron oxides, nano-CeO ₂ , nano-Al ₂ O ₃ , and quantum dots in seven European regions. 2018 , 235, 589-601	58
412	Metagenomic analysis of microbial communities yields insight into impacts of nanoparticle design. 2018 , 13, 253-259	36
411	Toxicological Impact of Carbon Nanomaterials on Plants. 2018 , 163-183	4
410	A comparative toxicity study of TiO ₂ nanoparticles in suspension and adherent culture under the dark condition. 2018 , 34, 44-50	2
409	Effects of zinc-oxide nanoparticles on soil, plants, animals and soil organisms: A review. 2018 , 9, 76-84	123
408	Emission and fate modelling framework for engineered nanoparticles in urban aquatic systems at high spatial and temporal resolution. 2018 , 5, 533-543	18
407	Toxicity of engineered nanomaterials mediated by nano-bio-eco interactions. 2018 , 36, 21-42	40
406	OrganoRelease - A framework for modeling the release of organic chemicals from the use and post-use of consumer products. 2018 , 234, 751-761	10
405	Effects of the exposure of TiO ₂ nanoparticles on basil (<i>Ocimum basilicum</i>) for two generations. 2018 , 636, 240-248	27
404	Considerations of nano-QSAR/QSPR models for nanopesticide risk assessment within the European legislative framework. 2018 , 634, 1530-1539	55
403	Acute and chronic responses of macrophyte and microorganisms in constructed wetlands to cerium dioxide nanoparticles: Implications for wastewater treatment. 2018 , 348, 35-45	34
402	Determination of metal-based nanoparticles in the river Dommel in the Netherlands via ultrafiltration, HR-ICP-MS and SEM. 2018 , 631-632, 485-495	30
401	Environmental Nanotechnology. 2018 , 1-32	
400	Human exposure to nanoparticles through trophic transfer and the biosafety concerns that nanoparticle-contaminated foods pose to consumers. 2018 , 75, 129-145	42
399	Redox-Ligand Complexation Controlled Chemical Fate of Ceria Nanoparticles in an Agricultural Soil. 2018 , 66, 6646-6653	12

398	Effect of CuO nanoparticles on ammonia removal and EPS secretion of CANON sludge in the presence of nitrite suppression. 2018 , 39, 2551-2558	0
397	Effect of nanoparticles on crops and soil microbial communities. 2018 , 18, 2179-2187	94
396	Recovery of nanomaterials from battery and electronic wastes: A new paradigm of environmental waste management. 2018 , 82, 3694-3704	61
395	Chronic toxicity of graphene and graphene oxide in sequencing batch bioreactors: A comparative investigation. 2018 , 343, 200-207	34
394	Interaction, transformation and toxicity assessment of particles and additives used in the semiconducting industry. 2018 , 192, 178-185	4
393	Cellular and molecular responses of adult zebrafish after exposure to CuO nanoparticles or ionic copper. 2018 , 27, 89-101	18
392	Nanoparticulate-specific effects of silver on teleost cardiac contractility. 2018 , 237, 721-730	5
391	Effects of Copper Nanoparticles (CuO NPs) on Crop Plants: a Mini Review. 2018 , 8, 36-42	86
390	Environmental behavior, potential phytotoxicity, and accumulation of copper oxide nanoparticles and arsenic in rice plants. 2018 , 37, 11-20	34
389	The Toxicity of Silver Nanoparticles (AgNPs) to Three Freshwater Invertebrates With Different Life Strategies: <i>Hydra vulgaris</i> , <i>Daphnia carinata</i> , and <i>Paratya australiensis</i> . 2018 , 6,	44
388	Facet-dependent generation of superoxide radical anions by ZnO nanomaterials under simulated solar light. 2018 , 5, 2864-2875	17
387	The Toxicity of Nanoparticles to Organisms in Freshwater. 2020 , 248, 1-80	7
386	Proxy Measures for Simplified Environmental Assessment of Manufactured Nanomaterials. 2018 , 52, 13670-13680	18
385	Effects of Nanoparticles on Plants, Earthworms, and Microorganisms. 2018 , 161-181	2
384	Nano-bio Interactions and Ecotoxicity in Aquatic Environment: Plenty of Room at the Bottom but Tyranny at the Top!. 2018 , 19-36	3
383	Assessment of information availability for environmental impact assessment of engineered nanomaterials. 2018 , 20, 1	1
382	The effect of nano-additives in diesel-biodiesel fuel blends: A comprehensive review on stability, engine performance and emission characteristics. 2018 , 178, 146-177	240
381	The NSF-EPA Centers for the Environmental Implications of Nanotechnology. 2018 , 151-168	

380	Linking Exposure and Kinetic Bioaccumulation Models for Metallic Engineered Nanomaterials in Freshwater Ecosystems. 2018 , 6, 12684-12694	11
379	Effects of Rare Earth Oxide Nanoparticles on Plants. 2018 , 239-275	2
378	Interactions between polybrominated diphenyl ethers (PBDEs) and TiO nanoparticle in artificial and natural waters. 2018 , 146, 98-108	16
377	Aggregation, sedimentation, and dissolution of CuO and ZnO nanoparticles in five waters. 2018 , 25, 31240-31249	19
376	Toxicity of copper hydroxide nanoparticles, bulk copper hydroxide, and ionic copper to alfalfa plants: A spectroscopic and gene expression study. 2018 , 243, 703-712	34
375	ZnO nanoparticles increase photosynthetic pigments and decrease lipid peroxidation in soil grown cilantro (<i>Coriandrum sativum</i>). 2018 , 132, 120-127	58
374	Comparison of filtration mechanisms of food and industrial grade TiO nanoparticles. 2018 , 410, 6133-6140	5
373	Interplay Between Engineered Nanomaterials (ENMs) and Edible Plants: A Current Perspective. 2018 , 63-102	10
372	Trophic Transfer and Transformation of CeO Nanoparticles along a Terrestrial Food Chain: Influence of Exposure Routes. 2018 , 52, 7921-7927	37
371	Multihierarchically Profiling the Biological Effects of Various Metal-Based Nanoparticles in Macrophages under Low Exposure Doses. 2018 , 6, 10374-10384	12
370	Toward a better extraction of titanium dioxide engineered nanomaterials from complex environmental matrices. 2018 , 11, 119-127	12
369	Dosing, Not the Dose: Comparing Chronic and Pulsed Silver Nanoparticle Exposures. 2018 , 52, 10048-10056	16
368	Low risk posed by engineered and incidental nanoparticles in drinking water. 2018 , 13, 661-669	73
367	Optical transparency and mechanical properties of semi-refined iota carrageenan film reinforced with SiO ₂ as food packaging material. 2018 ,	12
366	Changing environments and biomolecule coronas: consequences and challenges for the design of environmentally acceptable engineered nanoparticles. 2018 , 20, 4133-4168	58
365	Natural attenuation of TiO nanoparticles in a fractured hard-rock. 2018 , 359, 47-55	3
364	Impact of Nanoparticles on Oxidative Stress and Responsive Antioxidative Defense in Plants. 2018 , 393-406	10
363	Metallic nanoparticles influence the structure and function of the photosynthetic apparatus in plants. 2018 , 130, 408-417	51

362	Interactions of oxidized multiwalled carbon nanotube with cadmium on zebrafish cell line: The influence of two co-exposure protocols on in vitro toxicity tests. 2018 , 200, 136-147	23
361	Testing ZnO nanoparticle ecotoxicity: linking time variable exposure to effects on different marine model organisms. 2018 , 25, 4871-4880	27
360	The gut microbiome and aquatic toxicology: An emerging concept for environmental health. 2018 , 37, 2758-2775	54
359	Availability and Risk Assessment of Nanoparticles in Living Systems. 2018 , 1-31	7
358	Review of analytical studies on TiO nanoparticles and particle aggregation, coagulation, flocculation, sedimentation, stabilization. 2018 , 212, 662-677	35
357	Prospective nanomaterial mass flows to the environment by life cycle stage from five applications containing CuO, DPP, FeOx, CNT and SiO ₂ . 2018 , 203, 990-1002	15
356	Influence of extracellular polymeric substances on cell-NPs heteroaggregation process and toxicity of cerium dioxide NPs to <i>Microcystis aeruginosa</i> . 2018 , 242, 1206-1216	15
355	NanoEarth (National Center for Earth and Environmental Nanotechnology Infrastructure). 2018 , 169-192	1
354	Impact of humic acid on the fate and toxicity of titanium dioxide nanoparticles in <i>Tetrahymena pyriformis</i> and zebrafish embryos. 2019 , 1, 219-227	12
353	Mobility of electrostatically and sterically stabilized gold nanoparticles (AuNPs) in saturated porous media. 2019 , 26, 29460-29472	2
352	Study of the Mobility of Cerium Oxide Nanoparticles in Soil Using Dynamic Extraction in a Microcolumn and a Rotating Coiled Column. 2019 , 74, 825-833	6
351	Comparing TiO ₂ nanoparticle formulations: stability and photoreactivity are key factors in acute toxicity to <i>Daphnia magna</i> . 2019 , 6, 2532-2543	13
350	Impact of ZnO and ZnS nanoparticles in sewage sludge-amended soil on bacteria, plant and invertebrates. 2019 , 237, 124359	17
349	Impacts of Continuous Inflow of Low Concentrations of Silver Nanoparticles on Biological Performance and Microbial Communities of Aerobic Heterotrophic Wastewater Biofilm. 2019 , 53, 9148-9159	4
348	Prospective environmental risk assessment of nanocellulose for Europe. 2019 , 6, 2520-2531	11
347	Interaction of Copper-Based Nanoparticles to Soil, Terrestrial, and Aquatic Systems: Critical Review of the State of the Science and Future Perspectives. 2020 , 252, 51-96	22
346	Influence of titanium dioxide nanoparticles on the transport and deposition of microplastics in quartz sand. 2019 , 253, 351-357	30
345	Genetic and systemic toxicity induced by silver and copper oxide nanoparticles, and their mixture in <i>Clarias gariepinus</i> (Burchell, 1822). 2019 , 26, 27470-27481	11

344	Engineered nanomaterials in the context of global element cycles. 2019 , 6, 2697-2711	38
343	Fate of nano titanium dioxide during combustion of engineered nanomaterial-containing waste in a municipal solid waste incineration plant. 2019 , 37, 1033-1042	10
342	A sub-individual multilevel approach for an integrative assessment of CuO nanoparticle effects on <i>Corbicula fluminea</i> . 2019 , 254, 112976	3
341	The impact of nanoparticle aggregation on their size exclusion during transport in porous media: One- and three-dimensional modelling investigations. 2019 , 9, 14071	32
340	Cerium Oxide Nanoparticles Affect Heavy Metals Uptake by Pea in a Divergent Way than Their Ionic and Bulk Counterparts. 2019 , 230, 1	13
339	Nanoparticles transported from aquatic to terrestrial ecosystems via emerging aquatic insects compromise subsidy quality. 2019 , 9, 15676	12
338	Understanding the potential environmental benefits of nanosilver enabled consumer products. 2019 , 16, 100183	7
337	Water Contaminated by Industrial Textile Dye: Study on Decolorization Process. 2019 , 6, 101	10
336	Comparison of a new mass-concentration, chain-reaction model with the population-balance model for early- and late-stage aggregation of shattered graphene oxide nanoparticles. 2019 , 582, 123862	4
335	Soybean Interaction with Engineered Nanomaterials: A Literature Review of Recent Data. 2019 , 9,	17
334	Enhanced hydrolysis of 1,1,2,2-tetrachloroethane by multi-walled carbon nanotube/TiO ₂ nanocomposites: The synergistic effect. 2019 , 255, 113211	3
333	Stable isotope labeling of metal/metal oxide nanomaterials for environmental and biological tracing. 2019 , 14, 2878-2899	18
332	Adsorption, aggregation and sedimentation of titanium dioxide nanoparticles and nanotubes in the presence of different sources of humic acids. 2019 , 692, 660-668	9
331	Multi-technique approach to study the stability of silver nanoparticles at predicted environmental concentrations in wastewater. 2019 , 166, 115072	10
330	Effects of nanoTiO ₂ on tomato plants under different irradiances. 2019 , 255, 113141	5
329	Variation in regional risk of engineered nanoparticles: nanoTiO ₂ as a case study. 2019 , 6, 444-455	13
328	Elucidation of the fate of zinc in model plants using single particle ICP-MS and ESI tandem MS. 2019 , 34, 683-693	28
327	Visualization of label-free titanium dioxide nanoparticle deposition on surfaces with nanoscale roughness. 2019 , 6, 248-260	3

326	Simulating graphene oxide nanomaterial phototransformation and transport in surface water. 2019 , 6, 180-194	16
325	Sewage spills are a major source of titanium dioxide engineered (nano)-particles into the environment. 2019 , 6, 763-777	63
324	ExposureResponse of Wheat Cultivars to TiO ₂ Nanoparticles in Contrasted Soils. 2019 , 28, 184-199	18
323	Dissolution and Transformation of ZnO Nano- and Microparticles in Soil Mineral Suspensions. 2019 , 3, 495-502	13
322	Evaluating environmental risk assessment models for nanomaterials according to requirements along the product innovation Stage-Gate process. 2019 , 6, 505-518	20
321	Nano/microplastics in water and wastewater treatment processes - Origin, impact and potential solutions. 2019 , 161, 621-638	204
320	Effects of carbon materials on the formation of disinfection byproducts during chlorination: Pore structure and functional groups. 2019 , 162, 1-10	12
319	Positive effects of <i>Funneliformis mosseae</i> inoculation on reed seedlings under water and TiO nanoparticles stresses. 2019 , 35, 81	16
318	Fate of engineered nanomaterials in natural environments and impacts on ecosystems. 2019 , 61-103	8
317	Fate of engineered nanomaterials in urban and work environments. 2019 , 143-163	
316	Innovation in procedures for human and ecological health risk assessment of engineered nanomaterials. 2019 , 185-208	1
315	Subcellular targets of zinc oxide nanoparticles during the aging process: role of cross-talk between mitochondrial dysfunction and endoplasmic reticulum stress in the genotoxic response. 2019 ,	9
314	Algal Foods Reduce the Uptake of Hematite Nanoparticles by Downregulating Water Filtration in <i>Daphnia magna</i> . 2019 , 53, 7803-7811	4
313	Interaction of nanomaterials in secondary metabolites accumulation, photosynthesis, and nitrogen fixation in plant systems. 2019 , 84, 55-74	4
312	Metallic nanoparticles induced antibiotic resistance genes attenuation of leachate culturable microbiota: The combined roles of growth inhibition, ion dissolution and oxidative stress. 2019 , 128, 407-416	38
311	Aggregation of oxidized multi-walled carbon nanotubes: Interplay of nanomaterial surface O-functional groups and solution chemistry factors. 2019 , 251, 921-929	12
310	Improved extraction efficiency of natural nanomaterials in soils to facilitate their characterization using a multimethod approach. 2019 , 677, 34-46	9
309	Iron-Rich Nanoparticles in Natural Aquatic Environments. 2019 , 9, 287	8

308	Nano-enabled products in South Africa and the assessment of environmental exposure potential for engineered nanomaterials. 2019 , 1, 1	8
307	Behavior of cerium dioxide nanoparticles in chernozem soils at different exposure scenarios. 2019 , 26, 17482-17488	1
306	New approach for mapping and physiological test of silica nanoparticles accumulated in sweet basil (<i>Ocimum basilicum</i>) by LA-ICP-MS. 2019 , 1069, 28-35	11
305	Fate and Transformation of Graphene Oxide in Estuarine and Marine Waters. 2019 , 53, 5858-5867	17
304	Exposure pathway dependent effects of titanium dioxide and silver nanoparticles on the benthic amphipod <i>Gammarus fossarum</i> . 2019 , 212, 47-53	9
303	Emerging investigator series: treatment and recycling of heavy metals from nanosludge. 2019 , 6, 1657-1673	26
302	Combined Toxicity of Silver Nanoparticles with Hematite or Plastic Nanoparticles toward Two Freshwater Algae. 2019 , 53, 3871-3879	66
301	Evaluation of nanosilica emission in polydimethylsiloxane composite during incineration. 2019 , 371, 415-422	11
300	Linking nano-ZnO contamination to microbial community profiling in sanitary landfill simulations. 2019 , 26, 13580-13591	2
299	Monitoring of engineered nanoparticles in soil-plant system: A review. 2019 , 11, 100218	19
298	Incidence and persistence of silver nanoparticles throughout the wastewater treatment process. 2019 , 156, 188-198	30
297	Natural, incidental, and engineered nanomaterials and their impacts on the Earth system. 2019 , 363,	250
296	Distinguishing the sources of silica nanoparticles by dual isotopic fingerprinting and machine learning. 2019 , 10, 1620	17
295	Quantification of ZnO nanoparticles and other Zn containing colloids in natural waters using a high sensitivity single particle ICP-MS. 2019 , 200, 156-162	36
294	Oxidative and Toxicological Evolution of Engineered Nanoparticles with Atmospherically Relevant Coatings. 2019 , 53, 3058-3066	10
293	Rapid and versatile pre-treatment for quantification of multi-walled carbon nanotubes in the environment using microwave-induced heating. 2019 , 26, 13999-14012	
292	A new issue in waste management: Nanowaste. 2019 , 37, 197-198	4
291	Conserved Microbial Toxicity Responses for Acute and Chronic Silver Nanoparticle Treatments in Wetland Mesocosms. 2019 , 53, 3268-3276	14

290	Life-cycle assessment of engineered nanomaterials. 2019 , 815-846	2
289	The Effects of Oxyanion Adsorption on Reactive Oxygen Species Generation by Titanium Dioxide. 2019 , 67, 410-418	
288	Toxicity assessment of metal oxide nanoparticles on terrestrial plants. 2019 , 189-207	12
287	Sulfidation of Ag and ZnO Nanomaterials Significantly Affects Protein Corona Composition: Implications for Human Exposure to Environmentally Aged Nanomaterials. 2019 , 53, 14296-14307	8
286	Influence of nano-CuO and -TiO ₂ on deposition and detachment of Escherichia coli in two model systems. 2019 , 6, 3268-3279	3
285	Carbon black induced DNA damage and conformational changes to mouse hepatocytes and DNA molecule: A combined study using comet assay and multi-spectra methods. 2019 , 170, 732-738	8
284	Stability and microbial toxicity of HfO ₂ and ZrO ₂ nanoparticles for photolithography. 2019 , 7, 109-117	0
283	Environmental fate of multiwalled carbon nanotubes and graphene oxide across different aquatic ecosystems. 2019 , 13, 1-12	19
282	Interactions between silver nanoparticles and other metal nanoparticles under environmentally relevant conditions: A review. 2019 , 653, 1042-1051	66
281	Dissipation of tungsten and environmental release of nanoparticles from tire studs: A Swedish case study. 2019 , 207, 920-928	12
280	Thermal decomposition/incineration of nano-enabled coatings and effects of nanofiller/matrix properties and operational conditions on byproduct release dynamics: Potential environmental health implications. 2019 , 13, 44-55	13
279	Computational models for the assessment of manufactured nanomaterials: Development of model reporting standards and mapping of the model landscape. 2019 , 9, 143-151	20
278	Phyco-linked vs chemogenic magnetite nanoparticles: Route selectivity in nano-synthesis, antibacterial and acute zooplanktonic responses. 2019 , 102, 324-340	8
277	Comparative dissolution, uptake, and toxicity of zinc oxide particles in individual aquatic species and mixed populations. 2019 , 38, 591-602	30
276	Ecotoxicity screening of seven different types of commercial silica nanoparticles using cellular and organismic assays: Importance of surface and size. 2019 , 13, 100-111	13
275	Nanotoxicity Assessment Using Embryonic Zebrafish. 2019 , 1894, 331-343	8
274	Effects of soluble copper and copper oxide nanoparticle exposure on the immune system of mussels, <i>Mytilus galloprovincialis</i> . 2019 , 34, 294-302	6
273	Formation of Zn-Al layered double hydroxides (LDH) during the interaction of ZnO nanoparticles (NPs) with BA ₂ O. 2019 , 650, 1980-1987	18

272	Toxicity beyond accumulation of Titanium after exposure of <i>Mytilus galloprovincialis</i> to spiked seawater. 2019 , 244, 845-854	8
271	The influence of organic and inorganic chelators on the toxicity of bulk and nanoparticles of zinc oxide during germination and seedling growth of <i>Nicotiana tabacum</i> L.. 2019 , 153, 436-449	4
270	ZnO and CuO nanoparticles: a threat to soil organisms, plants, and human health. 2020 , 42, 147-158	98
269	Time-dependent effects of ZnO nanoparticles on bacteria in an estuarine aquatic environment. 2020 , 698, 134298	10
268	Economical aspects, toxicity, and environmental fate of cerium oxide. 2020 , 359-373	4
267	Chronic exposure to copper oxide nanoparticles causes muscle toxicity in adult zebrafish. 2020 , 27, 27358-27369	69
266	Long-term effects of silver nanoparticles on performance of phosphorus removal in a laboratory-scale vertical flow constructed wetland. 2020 , 87, 319-330	11
265	Estimating human exposure to titanium dioxide from personal care products through a social survey approach. 2020 , 16, 10-16	14
264	Investigating the potential use of an oleaginous bacterium, <i>Rhodococcus opacus</i> PD630, for nano-TiO remediation. 2020 , 27, 27394-27406	3
263	Combination of humic acid and clay reduce the ecotoxic effect of TiO NPs: A combined physico-chemical and genetic study using zebrafish embryo. 2020 , 698, 134133	14
262	Natural molecule coatings modify the fate of cerium dioxide nanoparticles in water and their ecotoxicity to <i>Daphnia magna</i> . 2020 , 257, 113597	12
261	Intra-amniotic administration (<i>Gallus gallus</i>) of TiO, SiO, and ZnO nanoparticles affect brush border membrane functionality and alters gut microflora populations. 2020 , 135, 110896	9
260	The effects of nano-additives on exhaust emissions and toxicity on mankind. 2020 , 22, 1181-1185	7
259	A field study of the fate of biosolid-borne silver in the soil-crop system. 2020 , 259, 113834	2
258	Chronic responses of aerobic granules to the presence of graphene oxide in sequencing batch reactors. 2020 , 389, 121905	15
257	Antagonistic effect of zinc oxide nanoparticle and surfactant on anaerobic digestion: Focusing on the microbial community changes and interactive mechanism. 2020 , 297, 122382	4
256	Development of a comprehensive understanding of aggregation-settling movement of CeO nanoparticles in natural waters. 2020 , 257, 113584	4
255	Waterborne and dietary accumulation of well-dispersible hematite nanoparticles by zebrafish at different life stages. 2020 , 259, 113852	5

254	The effect of humic acid and bovine serum albumin on the adsorption and stability of ZnO nanoparticles on powdered activated carbon. 2020 , 251, 119695		7
253	Understanding the Key Role of Atmospheric Processing in Determining the Oxidative Potential of Airborne Engineered Nanoparticles. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 7-13	11	7
252	UV-induced over time transformation of AgNPs in commercial wound dressings and adverse biological effects on <i>Caenorhabditis elegans</i> . 2020 , 17, 100193		1
251	Silicon and plant growth promoting rhizobacteria differentially regulate AgNP-induced toxicity in <i>Brassica juncea</i> : Implication of nitric oxide. 2020 , 390, 121806		29
250	Phytotoxicity of copper oxide nanoparticles in soil with and without biosolid amendment. 2020 , 17, 100196		7
249	Influence of silver nanoparticles on settling of suspended sediments. 2020 , 299, 112135		6
248	Environmental transformation and nano-toxicity of engineered nano-particles (ENPs) in aquatic and terrestrial organisms. 2020 , 50, 2523-2581		27
247	Impact of green reduced graphene oxide on sewage sludge bioleaching with <i>Acidithiobacillus ferrooxidans</i> . 2020 , 267, 115455		2
246	Exposure and Possible Risks of Engineered Nanomaterials in the Environment: Current Knowledge and Directions for the Future. 2020 , 58, e2020RG000710		18
245	Influence of natural organic matter on the aquatic ecotoxicity of engineered nanoparticles: Recommendations for environmental risk assessment. 2020 , 20, 100263		10
244	Responses to iron oxide and zinc oxide nanoparticles in echinoderm embryos and microalgae: uptake, growth, morphology, and transcriptomic analysis. 2020 , 14, 1342-1361		4
243	Doing nano-enabled water treatment right: sustainability considerations from design and research through development and implementation. 2020 , 7, 3255-3278		5
242	Evaluation of the growth response of spore forming lactic acid <i>Bacillus</i> <i>Bacillus coagulans</i> in presence of oxide nanoparticles. 2020 , 10, 4075-4086		2
241	Lysosomes, Autophagy, and Hormesis in Cell Physiology, Pathology, and Age-Related Disease. 2020 , 18, 1559325820934227		8
240	Low Concentrations of Silver Nanoparticles and Silver Ions Perturb the Antioxidant Defense System and Nitrogen Metabolism in N-Fixing Cyanobacteria. 2020 , 54, 15996-16005		17
239	A density gradient centrifugation method for rapid separation of nanoTiO and TiO aggregates from microalgal cells in complex mixtures with mercury. 2020 , 7, 101057		1
238	Unbound Natural Organic Matter Competes with Nanoparticles for Internalization Receptors During Cell Uptake. 2020 , 54, 15215-15224		2
237	Inventory of country-specific emissions of engineered nanomaterials throughout the life cycle. 2020 , 7, 3824-3839		6

236	Accumulation of nanoparticles in the soil-plant systems and their effects on human health. 2020 , 65, 137-143	57
235	Interplay between engineered nanomaterials and microbiota. 2020 , 7, 2454-2485	11
234	A citizen science approach estimating titanium dioxide released from personal care products. 2020 , 15, e0235988	4
233	Characterization of TiO ₂ NPs in Radish (<i>Raphanus sativus</i> L.) by Single-Particle ICP-QQQ-MS. 2020 , 8,	17
232	Iron nano modulated growth and biosynthesis of steviol glycosides in <i>Stevia rebaudiana</i> . 2020 , 143, 121-130	11
231	Occurrence and Origins of Cerium Dioxide and Titanium Dioxide Nanoparticles in the Loire River (France) by Single Particle ICP-MS and FEG-SEM Imaging. 2020 , 8,	10
230	Emerging investigator series: calculating size- and coating-dependent effect factors for silver nanoparticles to inform characterization factor development for usage in life cycle assessment. 2020 , 7, 2436-2453	2
229	Reduction of Pesticide Toxicity Under Field-Relevant Conditions? The Interaction of Titanium Dioxide Nanoparticles, Ultraviolet, and Natural Organic Matter. 2020 , 39, 2237-2246	1
228	Measurement of CeO Nanoparticles in Natural Waters Using a High Sensitivity, Single Particle ICP-MS. 2020 , 25,	7
227	Effects of Titanium Dioxide Nanoparticles on Photosynthetic and Antioxidative Processes of. 2020 , 9,	10
226	The first evidence of accumulation and avoidance behavior of macroinvertebrates in a forest soil spiked with human-made iron nanoparticles: A field experiment. 2020 , 6, e04860	2
225	Acute high-dose titanium dioxide nanoparticle exposure alters gastrointestinal homeostasis in mice. 2020 , 40, 1384-1395	5
224	Interactions of metal-based nanoparticles (MBNPs) and metal-oxide nanoparticles (MONPs) with crop plants: a critical review of research progress and prospects. 2020 , 28, 294-310	17
223	The ecology of nanomaterials in agroecosystems. 2020 , 313-355	2
222	Does salinity variation increase synergistic effects of triclosan and carbon nanotubes on <i>Mytilus galloprovincialis</i> ? Responses on adult tissues and sperms. 2020 , 734, 138837	2
221	In vivo phytotoxicity, uptake, and translocation of PbS nanoparticles in maize (<i>Zea mays</i> L.) plants. 2020 , 737, 139558	20
220	Biological impacts of Ce nanoparticles with different surface coatings as revealed by RNA-Seq in <i>Chlamydomonas reinhardtii</i> . 2020 , 19, 100228	3
219	Nanoparticle affinity for natural soils: a functional assay for determining particle attachment efficiency in complex systems. 2020 , 7, 1719-1729	2

218	The Known and Unknown about the Environmental Safety of Nanomaterials in Commerce. 2020 , 16, e2000690	12
217	Toxicity and Regulatory Concerns for Nanoformulations in Medicine. 2020 , 333-357	4
216	Addressing Nanotoxicity. 2020 , 103-112	10
215	Exploring the biophysicochemical alteration of green alga <i>Asterococcus superbis</i> interactively affected by nanoparticles, triclosan and illumination. 2020 , 398, 122855	7
214	TiO nanoparticles induced sugar impairments and metabolic pathway shift towards amino acid metabolism in wheat. 2020 , 399, 122982	14
213	Morphology, structure, and composition of sulfidized silver nanoparticles and their aggregation dynamics in river water. 2020 , 739, 139989	9
212	Dynamic probabilistic material flow analysis of engineered nanomaterials in European waste treatment systems. 2020 , 113, 118-131	17
211	Aggregation and dissolution of aluminium oxide and copper oxide nanoparticles in natural aqueous matrixes. 2020 , 2, 1	5
210	Will temperature rise change the biochemical alterations induced in <i>Mytilus galloprovincialis</i> by cerium oxide nanoparticles and mercury?. 2020 , 188, 109778	12
209	Metatranscriptomic Insights Into the Response of River Biofilm Communities to Ionic and Nano-Zinc Oxide Exposures. 2020 , 11, 267	3
208	Transformation pathways and fate of engineered nanoparticles (ENPs) in distinct interactive environmental compartments: A review. 2020 , 138, 105646	112
207	The effect of pH and ageing on the fate of CuO and ZnO nanoparticles in soils. 2020 , 721, 137771	21
206	Insights into the uptake, distribution, and efflux of arsenite associated with nano-TiO ₂ in determining its toxicity on <i>Daphnia magna</i> . 2020 , 7, 1194-1204	4
205	Aquatic toxicity of transformed and product-released engineered nanomaterials: An overview of the current state of knowledge. 2020 , 138, 39-56	11
204	Environmental Hazard Potential of Nano-Photocatalysts Determined by Nano-Bio Interactions and Exposure Conditions. 2020 , 16, e1907690	10
203	Copper, silver, and titania nanoparticles do not release ions under anoxic conditions and release only minute ion levels under oxic conditions in water: Evidence for the low toxicity of nanoparticles. 2020 , 18, 1319-1328	17
202	Engineered silver nanoparticle (Ag-NP) behaviour in domestic on-site wastewater treatment plants and in sewage sludge amended-soils. 2020 , 722, 137794	9
201	Effect of Graphene Oxide on the Ammonia Removal and Bacterial Community in a Simulated Wastewater Treatment Process. 2020 , 146, 04020097	3

200	Natural Nanoparticles, Anthropogenic Nanoparticles, Where Is the Frontier?. 2020 , 8,	19
199	Silica dioxide nanoparticles aggravate airway inflammation in an asthmatic mouse model via NLRP3 inflammasome activation. 2020 , 112, 104618	14
198	Cobalt Release from a Nanoscale Multiphase Lithiated Cobalt Phosphate Dominates Interaction with MR-1 and SB491. 2020 , 33, 806-816	7
197	Quantitative investigation of ZnO nanoparticle dissolution in the presence of MnO . 2020 , 27, 14751-14762	2
196	Global environmental impacts of silver nanoparticle production methods supported by life cycle assessment. 2020 , 156, 104676	44
195	Effect of pyrene on formation of natural silver nanoparticles via reduction of silver ions by humic acid under UV irradiation. 2020 , 247, 125937	4
194	Removal of microplastics via drinking water treatment: Current knowledge and future directions. 2020 , 251, 126612	90
193	Bioaccumulation kinetics and tissue distribution of silver nanoparticles in zebrafish: The mechanisms and influence of natural organic matter. 2020 , 194, 110454	17
192	Interplay between extracellular polymeric substances (EPS) from a marine diatom and model nanoplastic through eco-corona formation. 2020 , 725, 138457	35
191	Effect of freeze/thaw on aggregation and transport of nano-TiO ₂ in saturated porous media. 2020 , 7, 1781-1793	8
190	In vitro and in vivo impact assessment of eco-designed CuO nanoparticles on non-target aquatic photoautotrophic organisms. 2020 , 396, 122484	14
189	Energy Storage Materials as Emerging Nano-contaminants. 2020 , 33, 1074-1081	3
188	Impacts of metallic nanoparticles and transformed products on soil health. 2021 , 51, 973-1002	10
187	Regulatory developments and their impacts to the nano-industry: A case study for nano-additives in 3D printing. 2021 , 207, 111458	9
186	Too small to matter? Physicochemical transformation and toxicity of engineered nTiO, nSiO, nZnO, carbon nanotubes, and nAg. 2021 , 404, 124107	12
185	Concentrations and size distribution of TiO and Ag engineered particles in five wastewater treatment plants in the United States. 2021 , 753, 142017	17
184	Evaluating the cytotoxicity of a large pool of metal oxide nanoparticles to Escherichia coli: Mechanistic understanding through In Vitro and In Silico studies. 2021 , 264, 128428	9
183	Cumulative effects of titanium dioxide nanoparticles in UASB process during wastewater treatment. 2021 , 277, 111428	2

182	Fast Multielement Quantification of Nanoparticles in Wastewater and Sludge Using Single-Particle ICP-MS. 2021 , 1, 205-213	16
181	Incidence of metal-based nanoparticles in the conventional wastewater treatment process. 2021 , 189, 116603	12
180	A European nano-registry as a reliable database for quantitative risk assessment of nanomaterials? A comparison of national approaches.. 2021 , 21, 100276	6
179	The chronic effects of CuO and ZnO nanoparticles on Eisenia fetida in relation to the bioavailability in aged soils. 2021 , 266, 128982	7
178	Quantification of carboxyl-functionalized multiwall carbon nanotubes in plant tissues with programmed thermal analysis. 2021 , 50, 278-285	
177	Effects of particle size and mineral crystallinity on formation of Zn Al layered double hydroxides (LDH) on aluminum (oxyhydr)oxides. 2021 , 201, 105933	1
176	Cell wall: An important medium regulating the aggregation of quantum dots in maize (Zea mays L.) seedlings. 2021 , 403, 123960	6
175	Ecotoxicological assessment of commercial boron nitride nanotubes toward tadpoles and host-associated gut microbiota. 2021 , 15, 35-51	5
174	Effects of copper in Daphnia are modulated by nanosized titanium dioxide and natural organic matter: what is the impact of aging duration?. 2021 , 28, 13991-13999	1
173	Long-term effect of graphene oxide on the aerobic granular sludge wastewater treatment process. 2021 , 9, 104853	9
172	Effects of different surface-coated nTiO on full-grown carrot plants: Impacts on root splitting, essential elements, and Ti uptake. 2021 , 402, 123768	11
171	Stability of volcanic nanoparticles using combined capillary zone electrophoresis and laser diffraction. 2021 , 19, 751-762	4
170	Review of Bioaccumulation, Biomagnification, and Biotransformation of Engineered Nanomaterials. 2021 , 133-164	1
169	Nanoparticles in the soilplant system: a review. 2021 , 19, 1545-1609	16
168	Toxicity/risk assessment of nanomaterials when used in soil treatment. 2021 , 87-100	
167	Metal-Based Nanoparticles Interactions with Plants. 2021 , 145-169	2
166	Potential risk and safety concerns of industrial nanomaterials in environmental management. 2021 , 1057-1079	
165	Emerging investigator series: automated single-nanoparticle quantification and classification: a holistic study of particles into and out of wastewater treatment plants in Switzerland. 2021 , 8, 1211-1225	6

164	Comparison of the effect of silver nanoparticles and other nanoparticle types on the process of barley malting. 2021 , 281-299	
163	Peptide-driven bio-assisted removal of metal oxide nanoparticles from an aqueous suspension: A novel strategy for water remediation. 2021 , 285, 124852	2
162	Assessing CeO ₂ and TiO ₂ Nanoparticle Concentrations in the Seine River and Its Tributaries Near Paris. 8,	3
161	Global scale life cycle environmental impacts of single- and multi-walled carbon nanotube synthesis processes. 2021 , 26, 656-672	5
160	Size-Specific, Dynamic, Probabilistic Material Flow Analysis of Titanium Dioxide Releases into the Environment. 2021 , 55, 2392-2402	6
159	Toxicity of abrasive nanoparticles (SiO ₂ , CeO ₂ , and Al ₂ O ₃) on <i>Aliivibrio fischeri</i> and human bronchial epithelial cells (16HBE14o-). 2021 , 23, 1	2
158	Ecotoxicity of as-synthesised copper nanoparticles on soil bacteria. 2021 , 15, 236-245	3
157	Reduction of Ionic Silver by Sulfur Dioxide as a Source of Silver Nanoparticles in the Environment. 2021 , 55, 5569-5578	6
156	Silver Nanoparticles in Soil: Input, Transformation, and Toxicity. 2021 , 54, 352-365	1
155	Growth response of <i>Oryza sativa</i> seedlings to graphene oxide and its variability among genotypes. 65, 39-46	1
154	Correlating Quantitative Measurements of Radical Production by Photocatalytic TiO with <i>Daphnia magna</i> Toxicity. 2021 , 40, 1322-1334	1
153	A review on metal-based nanoparticles and their toxicity to beneficial soil bacteria and fungi. 2021 , 213, 112027	57
152	Changes in bacterial diversity of activated sludge exposed to titanium dioxide nanoparticles. 2021 , 32, 313-326	2
151	Toxic and protective mechanisms of cyanobacterium <i>Synechocystis</i> sp. in response to titanium dioxide nanoparticles. 2021 , 274, 116508	4
150	The effects of engineered nanoparticles on nitrification during biological wastewater treatment. 2021 , 118, 2401-2410	0
149	Assessment of the impact of abiotic factors on the stability of engineered nanomaterials in fish embryo media. 1	1
148	Natural silicate nanoparticles: separation, characterization, and assessment of stability and perspectives of their use as reference nanomaterials. 2021 , 413, 3999-4012	1
147	Importance of the number emission factor of combustion-generated aerosols from nano-enabled products.. 2021 , 22, 100307	0

146	Stressor-Dependant Changes in Immune Parameters in the Terrestrial Isopod Crustacean, : A Focus on Nanomaterials. 2021 , 11,	3
145	Physiological and biochemical effects of TiAlC nanosheets on rice (<i>Oryza sativa</i> L.). 2021 , 770, 145340	3
144	Boron Oxide Nanoparticles Exhibit Minor, Species-Specific Acute Toxicity to North-Temperate and Amazonian Freshwater Fishes. 2021 , 9, 689933	
143	Influences and mechanisms of nanoparticles on pentachloronitrobenzene accumulation by earthworms. 2021 , 28, 51471-51479	1
142	Current trends and challenges in analysis and characterization of engineered nanoparticles in seawater. 2021 , 226, 122201	3
141	Can nanomaterials induce reproductive toxicity in male mammals? A historical and critical review. 2021 , 769, 144354	4
140	Assessment of TiO ₂ Nanoparticles on Maize Seedlings and Terrestrial Isopods Under Greenhouse Conditions. 2021 , 21, 2214-2228	3
139	Environmental dimensions of the protein corona. 2021 , 16, 617-629	40
138	Nanocontaminants in soil: emerging concerns and risks. 1	1
137	Evaluation of Maghemite Nanoparticles-Induced Developmental Toxicity and Oxidative Stress in Zebrafish Embryos/Larvae. 2021 , 1	4
136	Exogenous application of ZnO nanoparticles and ZnSO distinctly influence the metabolic response in <i>Phaseolus vulgaris</i> L. 2021 , 778, 146331	15
135	The Role of Apoptosis Pathway in the Cytotoxicity Induced by Fresh and Aged Zinc Oxide Nanoparticles. 2021 , 16, 129	0
134	Transport of nanoparticles in porous media and its effects on the co-existing pollutants. 2021 , 283, 117098	10
133	Long-term dissolution and transformation of ZnO in soils: The roles of soil pH and ZnO particle size. 2021 , 415, 125604	5
132	Nanoparticles influence the herbicide diuron mediated toxicity on marine mussel <i>Mytilus galloprovincialis</i> : single and mixture exposure study. 2021 , 8, 085005	1
131	Bio-interaction of nano and bulk lanthanum and ytterbium oxides in soil system: Biochemical, genetic, and histopathological effects on <i>Eisenia fetida</i> . 2021 , 415, 125574	12
130	Commentary: Revisiting nanoparticle-assay interference: There's plenty of room at the bottom for misinterpretation. 2021 , 255, 110601	2
129	The combined toxicity and mechanism of multi-walled carbon nanotubes and nano zinc oxide toward the cabbage. 2021 , 1	0

128	Cytotoxicity, Accumulation and Translocation of Silver and Silver Sulfide Nanoparticles in contact with Rainbow Trout Intestinal Cells. 2021 , 237, 105869	0
127	Transcriptional and biochemical response of barley to co-exposure of metal-based nanoparticles. 2021 , 782, 146883	5
126	Sex-reversal and Histopathological Assessment of Potential Endocrine-Disrupting Effects of Graphene Oxide on Japanese medaka (<i>Oryzias latipes</i>) Larvae. 2021 , 279, 130768	3
125	Modelling local nanobiomaterial release and concentration hotspots in the environment. 2021 , 284, 117399	
124	Field-Flow Fractionation in a Rotating Coiled Column in the Development of Reference Samples of Natural Nanoparticles. 2021 , 76, 1098-1105	
123	Influence of wastewater type in the effects caused by titanium dioxide nanoparticles in the removal of macronutrients by activated sludge. 2021 , 1	1
122	Physiological and Behavioral Effects of SiO Nanoparticle Ingestion on. 2021 , 12,	2
121	Extraction and quantification of metal-containing nanoparticles in marine shellfish based on single particle inductively coupled plasma-mass spectrometry technique. 2022 , 424, 127383	2
120	In situ nanoremediation of soils and groundwaters from the nanoparticle's standpoint: A review. 2021 , 791, 148324	10
119	Copper-based nanoparticles in the soil-plant environment: Assessing their applications, interactions, fate and toxicity. 2021 , 281, 130940	5
118	Ecotoxicity of silica nanoparticles in aquatic organisms: An updated review. 2021 , 87, 103689	4
117	Behavior of engineered nanoparticles in aquatic environmental samples: Current status and challenges. 2021 , 793, 148560	9
116	Fate and toxicity of engineered nanomaterials in the environment: A meta-analysis. 2021 , 796, 148843	4
115	Phytotoxicological effects of engineered nanoparticles: An emerging nanotoxicology. 2021 , 801, 149809	10
114	A critical review of the environmental impacts of manufactured nano-objects on earthworm species. 2021 , 290, 118041	8
113	Response of constructed wetland for wastewater treatment to graphene oxide: Perspectives on plant and microbe. 2022 , 422, 126911	5
112	Nanotechnology as Vehicle for Biocontrol of Plant Diseases in Crop Production. 2021 , 709-724	0
111	Coating ligand-mediated dynamic formation of natural organic matter (NOM) corona on engineered nanoparticles in natural environments. 2021 , 8, 1029-1041	4

110	Impact of Nanomaterials on the Food Chain. 2021 , 229-249	
109	Biosynthesized nanoparticles derived from marine habitat and their interactions with plants. 2021 , 94, 633-666	0
108	Detection and evaluation of nanoparticles in soil environment. 2021 , 33-63	3
107	Effects of nanomaterials on the benthic ecosystem: a case study with the snail <i>Lymnaea stagnalis</i> . 2021 , 307-342	
106	Presence, Behavior and Fate of Engineered Nanomaterials in Municipal Solid Waste Landfills. 2017 , 311-325	1
105	Structural and Ultrastructural Changes in Nanoparticle Exposed Plants. 2019 , 281-295	8
104	Impact and Current Perspectives of Zinc Oxide Nanoparticles on Soil. 2019 , 131-144	1
103	Interaction of graphene-family nanomaterials with microbial communities in sequential batch reactors revealed by high-throughput sequencing. 2020 , 184, 109392	14
102	A blessing in disguise? Natural organic matter reduces the UV light-induced toxicity of nanoparticulate titanium dioxide. 2019 , 663, 518-526	6
101	Nanowastes treatment in environmental media. 2014 , 29, e2014015	8
100	The aggregation behaviour and mechanism of commercial graphene oxide in surface aquatic environments. 2022 , 806, 150942	2
99	Combined toxicity of zinc oxide nanoparticles and cadmium inducing root damage in <i>Phytolacca americana</i> L. 2022 , 806, 151211	1
98	Uptake, translocation, phytotoxicity, and hormetic effects of titanium dioxide nanoparticles (TiONPs) in <i>Nigella arvensis</i> L. 2022 , 806, 151222	5
97	Comparison of uptake and elimination kinetics of metallic oxide nanomaterials on the freshwater microcrustacean. 2021 , 1-12	
96	Determining the structure-antibacterial properties relationship and bacterial inactivation kinetics in different morphological-controlled ZnO nanoarchitectures for wastewater applications. 2021 , 9, 106646	0
95	Nanotechnology EHS. 395-415	
94	Introduction. 2018 , 1-10	
93	Environmental Nanotechnology. 2019 , 2159-2189	

- 92 NADIR TOPRAK ELEMENTLERİDEN OLAN SERYUM VE LİTYUMUN SUCUL VE FİTOTOKSİK ETKİLERİNİN DERLENMESİ
- 91 MOBILITY OF CERIUM DIOXIDE NANOPARTICLES IN SOILS AT DIFFERENT EXPOSURE SCENARIOS. **2019**, 85, 5-10
- 90 Size and Composition Matters: From Engineered Nanoparticles to Ambient Fine Particles. **2020**, 241-260
- 89 Coating with polysaccharides influences the surface charge of cerium oxide nanoparticles and their effects to *Mytilus galloprovincialis*.. **2021**, 24, 100362 0
- 88 Multidimensional bioresponses in nematodes contribute to the antagonistic toxic interaction between pentachlorophenol and TiO₂ nanoparticles in soil. **2021**, 127587 1
- 87 Stomata facilitate foliar sorption of silver nanoparticles by *Arabidopsis thaliana*. **2022**, 292, 118448 4
- 86 Trickling of Itinerant Nanoparticles in Wastewater Effluents. **2020**, 1-21
- 85 Insight on the microbial activity and microbiome in partial nitrification systems: CuO nanoparticles impact under different pH levels. **2020**, 25, 960-968
- 84 Metals and Metal-Nanoparticles in Human Pathologies: From Exposure to Therapy. **2021**, 26, 4
- 83 Effects of Co-Exposure of Nanoparticles and Metals on Different Organisms: A Review. **2021**, 9, 1
- 82 Fate and potential hazards of nanoparticles in the environment. **2022**, 581-602
- 81 Sample preparation for the analysis of nanoparticles in natural waters by single particle ICP-MS. **2022**, 238, 123060 1
- 80 Effects of surface modification on toxicity of CeO₂ nanoparticles to lettuce.. **2021**, 24, 100364 0
- 79 Selectively Tracking Nanoparticles in Aquatic Plant Using Core-Shell Nanoparticle-Enhanced Raman Spectroscopy Imaging. **2021**, 2
- 78 Estimates of AgNP toxicity thresholds in support of environmental safety policies. **2021**, 24, 1
- 77 Emerging investigator series: long-term exposure of amorphous silica nanoparticles disrupts the lysosomal and cholesterol homeostasis in macrophages. 2
- 76 A critical review on the role of abiotic factors on the transformation, environmental identity and toxicity of engineered nanomaterials in aquatic environment.. **2021**, 296, 118726 2
- 75 Nanomaterial recycling: an overview. **2022**, 3-19

74	Effect of Nano-Silver on Formation of Marine Snow and the Underlying Microbial Mechanism.. 2022 ,	1
73	Impact of nanoparticles in wastewater treatment. 2022 ,	
72	Integrative behavioral and ecotoxicological effects of nanoparticles. 2022 , 311-333	
71	Engineered nanomaterials: threats, releases, and concentrations in the environment. 2022 , 225-240	0
70	Copper accumulation and physiological markers of soybean (<i>Glycine max</i>) grown in agricultural soil amended with copper nanoparticles.. 2021 , 229, 113088	0
69	The Effects of Nano-Additives Added to Diesel-Biodiesel Fuel Blends on Combustion and Emission Characteristics of Diesel Engine: A Review. 2022 , 15, 1032	4
68	Biotic Process Dominated the Uptake and Transformation of Ag by MR-1.. 2022 ,	0
67	Investigation of acute toxicity, accumulation, and depuration of ZnO nanoparticles in <i>Daphnia magna</i> .. 2022 , 153307	1
66	Distinguishing Engineered TiO Nanomaterials from Natural Ti Nanomaterials in Soil Using spICP-TOFMS and Machine Learning.. 2022 ,	2
65	Effects of the Transformation of Metallic Nanoparticles in the Environment and Its Toxicity on Aquatic and Terrestrial Life Forms. 2021 , 43-71	
64	Nanocomposites Application in Sewage Treatment and Degradation of Persistent Pesticides Used in Agriculture. 2022 , 649-682	
63	Effects of nanoparticles on phytotoxicity, cytotoxicity, and genotoxicity in agricultural crops. 2022 , 325-344	0
62	Quantification and classification of engineered, incidental, and natural cerium-containing particles by spICP-TOFMS.	3
61	Detection and Characterization of TiO Nanomaterials in Sludge from Wastewater Treatment Plants of Chihuahua State, Mexico.. 2022 , 12,	0
60	Kinetic Aspects of the Interactions between TiO ₂ Nanoparticles, Mercury and the Green Alga <i>Chlamydomonas reinhardtii</i> . 2022 , 9, 44	0
59	A comparative study on aggregation and sedimentation of natural goethite and artificial FeO nanoparticles in synthetic and natural waters based on extended Derjaguin-Landau-Verwey-Overbeek (XDLVO) theory and molecular dynamics simulations.. 2022 , 435, 128876	0
58	Hazard profiling of a combinatorial library of zinc oxide nanoparticles: Ameliorating light and dark toxicity through surface passivation.. 2022 , 434, 128825	1
57	A critical review on the interaction of iron-based nanoparticles with blue-green algae and their metabolites: From mechanisms to applications. 2022 , 64, 102670	3

56	A review on the generation, discharge, distribution, environmental behavior, and toxicity (especially to microbial aggregates) of nano-TiO in sewage and surface-water and related research prospects.. 2022 , 824, 153866	0
55	Nanoparticle assisted environmental remediation: Applications, toxicological implications and recommendations for a sustainable environment. 2022 , 18, 100679	1
54	Long-Term Exposure and Effects of rGO-nZVI Nanohybrids and Their Parent Nanomaterials on Wastewater-Nitrifying Microbial Communities.. 2021 ,	1
53	Evidence of Indoor Dust Acting as Carrier for Metal-Based Nanoparticles: A Study of Exposure and Oxidative Risks. <i>Environmental Science and Technology Letters</i> ,	11 2
52	Data_Sheet_1.docx. 2020 ,	
51	Data_Sheet_1.docx. 2020 ,	
50	Data_Sheet_1.DOCX. 2020 ,	
49	Data_Sheet_2.xlsx. 2020 ,	
48	Cerium oxide nanostructures: properties, biomedical applications and surface coatings.. 2022 , 12, 121	2
47	The effect of 100-200 nm ZnO and TiO nanoparticles on the in vitro-grown soybean plants.. 2022 , 216, 112536	0
46	Current Methods and Prospects for Analysis and Characterization of Nanomaterials in the Environment.. 2022 ,	0
45	Genotoxic assessment of cerium and magnesium nanoparticles and their ionic forms in <i>Eisenia hortensis</i> coelomocytes by alkaline comet assay.	
44	Correlation analysis of single- and multigenerational endpoints in <i>Daphnia magna</i> toxicity tests: A case-study using TiO ₂ nanoparticles. 2022 , 241, 113792	0
43	Environmental considerations and current status of grouping and regulation of engineered nanomaterials. 2022 , 18, 100707	
42	Metabolic alterations in alga <i>Chlamydomonas reinhardtii</i> exposed to nTiO ₂ materials.	0
41	Nano-Al ₂ O ₃ particles affect gut microbiome and resistome in an in vitro simulator of the human colon microbial ecosystem. 2022 , 129513	0
40	The effect of multivalent anions on removal of Titanium dioxide nanoparticles from drinking water sources by coagulation-sedimentation processes: Efficacy and mechanisms. 2022 , 298, 121667	
39	A critical review on the biological impact of natural organic matter on nanomaterials in the aquatic environment. 2022 , 1,	3

- 38 Trophic transfer of Cu nanoparticles in a simulated aquatic food chain. **2022**, 242, 113920 ○
- 37 Effects of WS2 Nanosheets on N2-fixing Cyanobacteria: ROS overproduction, cell membrane damage, and cell metabolic reprogramming. **2022**, 849, 157706 ○
- 36 Complete and simultaneous removal of ionic silver and silver nanoparticles by using an ionic liquid supported on a magnetic nanoparticle core. **2022**, 214, 113943 ○
- 35 Seawater analysis of engineered nanoparticles using ICP-MS-based technology: Addressing challenges with the development of reliable monitoring strategy. **2023**, 252, 123846 ○
- 34 Nanotechnology for agricultural applications: Facts, issues, knowledge gaps, and challenges in environmental risk assessment. **2022**, 322, 116033 1
- 33 Transformation of zinc oxide nanoparticles in freshwater sediments under oxic and anoxic conditions. ○
- 32 Seawater Analysis of Engineered Nanoparticles Using ICP-MS-Based Technology: Addressing Challenges with the Development of Reliable Monitoring Strategy. ○
- 31 Mechanisms of photoinduced toxicity of AgNPs to the microalgae *Chlorella pyrenoidosa* in the presence of hematite nanoparticles: insights from transcriptomics, metabolomics and the photochemical index. **2022**, 9, 3525-3537 ○
- 30 In vitro and in silico study of mixtures cytotoxicity of metal oxide nanoparticles to *Escherichia coli*: a mechanistic approach. 1-14 1
- 29 UV-dependent freshwater effect factor of nanoscale titanium dioxide for future life cycle assessment application. ○
- 28 The environmental remediation capacity of *Ulva lactuca*: The potential of macroalgae to reduce the threats caused by Titanium in marine invertebrate species. **2022**, 159586 ○
- 27 Application of Isotopically Labeled Engineered Nanomaterials for Detection and Quantification in Soils via Single-Particle Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. 2
- 26 Potential toxicity and bioavailability of ENMs and their products in plant tissues. **2023**, 277-294 ○
- 25 Source, fate and transport of ENMs in the environment, especially those that may eventually reach plant systems. **2023**, 25-49 ○
- 24 Chemicals/materials of emerging concern in farmlands: sources, crop uptake and potential human health risks. ○
- 23 Biological Effects of AgNPs on Crop Plants: Environmental Implications and Agriculture Applications. ○
- 22 Phytochemical and physiological reactions of feverfew (*Tanacetum parthenium* (L.) Schultz Bip) to TiO₂ nanoparticles. **2023**, 194, 674-684 ○
- 21 End-of-life MoS₂-enabled device and material transformation in landfill leachate and its effect on the landfill microbiome. ○

- 20 Nanomaterials biotransformation: In planta mechanisms of action. **2023**, 318, 120834 ○
- 19 Bacterial Nanotechnology: The Intersection Impact of Bacteriology and Nanotechnology on the Wastewater Treatment Sector. **2022**, 109212 ○
- 18 Polystyrene nanoplastics alleviate the toxicity of CuO nanoparticles to the marine algae *Platymonas helgolandica* var. *tsingtaoensis*. 9, ○
- 17 An overview of natural and anthropogenic sources of ultrafine airborne particles: analytical determination to assess the multielemental profiles. 1-27 ○
- 16 Combined effect of Cu- and ZnO- NPs on antibiotic resistance genes in an estuarine water. 9, ○
- 15 Doped and immobilized titanium dioxide photocatalysts as a potential source of nitrosamine formation. **2023**, 230, 119573 ○
- 14 Toxic risk assessment of engineered nanoparticles used in ink formulations. **2023**, 159-194 ○
- 13 Analysis of Engineered Nanoparticles in Seawater Using ICP-MS-Based Technology: From Negative to Positive Samples. **2023**, 28, 994 1
- 12 Toxicological effects of pure and amine-functionalized ZnO nanorods on *Daphnia magna* and *Lactuca sativa*. **2023**, 10, 1190-1207 ○
- 11 Nanomaterials in the environment: impacts and challenges. **2023**, 389-414 ○
- 10 Cerium- and aluminum-based nanomaterials as additive in nanofuels. **2023**, 1-16 ○
- 9 The contribution shift of ammonia-oxidizing archaea and bacteria to ammonification under Ag-NPs/SWCNTs/PS-NPs stressors in constructed wetlands. **2023**, 463, 142207 ○
- 8 Pre-exposure to titanium or iron oxide nanoparticles suppresses the subsequent cellular uptake of gold nanoparticles. **2023**, 875, 162491 ○
- 7 The influence of ZnO nanoparticles on horizontal transfer of resistance genes in lab and soil conditions. **2023**, 223, 115420 ○
- 6 Transformation of zinc oxide nanoparticles in the presence of aluminum oxide with pre-sorbed phosphorus ligands. **2023**, 173, 107847 ○
- 5 Mechanisms of ZnO Nanoparticles Enhancing Phototransformation of Biologically Derived Organic Phosphorus in Aquatic Environments. **2023**, 57, 3691-3702 ○
- 4 Silica Nanoparticles Promote Apoptosis in Ovarian Granulosa Cells via Autophagy Dysfunction. **2023**, 24, 5189 ○
- 3 Evaluation of Apical and Molecular Effects of Algae *Pseudokirchneriella subcapitata* to Cerium Oxide Nanoparticles. **2023**, 11, 283 ○

- 2 Emerging investigator series: differential effects of carbon nanotubes and graphene on the tomato rhizosphere microbiome. ○
- 1 Optimization of Nanoparticle Collection by a Pilot-Scale Spray Scrubber Operated Under Waste Incineration Conditions: Using BoxBehnken Design. ○