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Environmental dynamics of metal oxide nanoparticles in heterogeneous systems: A review

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#	Paper	IF	Citations
89	Cerium oxide nanoparticles: Synthesis, characterization and tentative mechanism of particle formation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 529, 146-159	5.1	59
88	Preparation and investigation of the heat transfer properties of a novel nanofluid based on graphene quantum dots. <i>Energy Conversion and Management</i> , 2017 , 153, 215-223	10.6	37
87	Toxicity of Metal Compounds: Knowledge and Myths. <i>Organometallics</i> , 2017 , 36, 4071-4090	3.8	283
86	Transformation and bioavailability of metal oxide nanoparticles in aquatic and terrestrial environments. A review. <i>Environmental Pollution</i> , 2017 , 230, 250-267	9.3	137
85	Dynamic Dispersal of Surface Layer Biofilm Induced by Nanosized TiO Based on Surface Plasmon Resonance and Waveguide. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	9
84	A p-n junction NiO-CdS nanoparticles with enhanced photocatalytic activity: A response surface methodology study. <i>Journal of Molecular Liquids</i> , 2018 , 257, 173-183	6	69
83	A novel bio-nano emulsion fuel based on biodegradable nanoparticles to improve diesel engines performance and reduce exhaust emissions. <i>Renewable Energy</i> , 2018 , 125, 64-72	8.1	62
82	A comprehensive study on the enhanced photocatalytic activity of CuO-NiO nanoparticles: Designing the experiments. <i>Journal of Molecular Liquids</i> , 2018 , 261, 208-217	6	72
81	Magnetic nanocomposites based on phosphorus-containing polymers-structural characterization and thermal analysis. <i>Nanotechnology</i> , 2018 , 29, 135708	3.4	3
80	Quantification of Au Nanoparticle Biouptake and Distribution to Freshwater Algae Using Single Cell - ICP-MS. <i>Environmental Science & Technology</i> , 2018 , 52, 2271-2277	10.3	52
79	Dissolution and bandgap paradigms for predicting the toxicity of metal oxide nanoparticles in the marine environment: an in vivo study with oyster embryos. <i>Nanotoxicology</i> , 2018 , 12, 63-78	5.3	21
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77	Towards a better understanding on aggregation behavior of CeO nanoparticles in different natural waters under flow disturbance. <i>Journal of Hazardous Materials</i> , 2018 , 343, 235-244	12.8	18
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74	Nanoparticle-Associated Phytotoxicity and Abiotic Stress Under Agroecosystems. 2018 , 241-268		3
73	Impact of Phosphate Adsorption on Complex Cobalt Oxide Nanoparticle Dispersibility in Aqueous Media. <i>Environmental Science & Technology</i> , 2018 , 52, 10186-10195	10.3	16

72	Factors impacting the interactions of engineered nanoparticles with bacterial cells and biofilms: Mechanistic insights and state of knowledge. <i>Journal of Environmental Management</i> , 2018 , 225, 62-74	7.9	34
71	Factors affecting fate and transport of engineered nanomaterials in terrestrial environments. <i>Current Opinion in Environmental Science and Health</i> , 2018 , 6, 47-53	8.1	18
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69	High-resolution mass spectrometry-based metabolomics reveal the disruption of jasmonic pathway in <i>Arabidopsis thaliana</i> upon copper oxide nanoparticle exposure. <i>Science of the Total Environment</i> , 2019 , 693, 133443	10.2	15
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67	Evaluation of the in vivo toxicity of green magnetic nanoparticles using <i>Caenorhabditis elegans</i> as a biological model. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019 , 12, 100253	3.3	3
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56	Polymeric and inorganic nanoscopic antimicrobial fillers in dentistry. <i>Acta Biomaterialia</i> , 2020 , 101, 69-101	10.8	91
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45	Transformation pathways and fate of engineered nanoparticles (ENPs) in distinct interactive environmental compartments: A review. <i>Environment International</i> , 2020 , 138, 105646	12.9	112
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