

# Arturo A Keller

## 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.

198  
papers

12,819  
citations

60  
h-index

109  
g-index

206  
ext. papers

14,548  
ext. citations

7.8  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
198	Quantifying the Dynamics of Polystyrene Microplastics UV-Aging Process. <i>Environmental Science and Technology Letters</i> , <b>2022</b> , 9, 50-56	11	5
197	Metabolomic Response of Early-Stage Wheat () to Surfactant-Aided Foliar Application of Copper Hydroxide and Molybdenum Trioxide Nanoparticles. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
196	Engineered nanomaterials for water treatment <b>2021</b> ,		
195	Redesigning Water Disinfection Using Recyclable Nanomaterials and Metal Ions: Evaluation with Escherichia coli. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 185-194		3
194	Novel disinfection method for toxic cyanobacteria ( <i>Oscillatoria tenuis</i> ) and simultaneous removal of cyanotoxins aided by recyclable magnetic nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106589	6.8	1
193	Environmental tradeoffs in municipal wastewater treatment plant upgrade: a life cycle perspective. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 34913-34923	5.1	2
192	Drilling into the Metabolomics to Enhance Insight on Corn and Wheat Responses to Molybdenum Trioxide Nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13452-13464	10.3	3
191	Dissolution and Aggregation of Metal Oxide Nanoparticles in Root Exudates and Soil Leachate: Implications for Nanoagrochemical Application. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13443-13451	10.3	12
190	COVID-19 Treatment Agents: Do They Pose an Environmental Risk?. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 1555-1565		0
189	Magnesium Oxide Nanomaterial, an Alternative for Commercial Copper Bactericides: Field-Scale Tomato Bacterial Spot Disease Management and Total and Bioavailable Metal Accumulation in Soil. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13561-13570	10.3	5
188	Fast Multielement Quantification of Nanoparticles in Wastewater and Sludge Using Single-Particle ICP-MS. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 205-213		16
187	Incidence of metal-based nanoparticles in the conventional wastewater treatment process. <i>Water Research</i> , <b>2021</b> , 189, 116603	12.5	12
186	Metabolomic Responses of Green Alga Exposed to Sublethal Concentrations of Inorganic and Methylmercury. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 3876-3887	10.3	6
185	Unraveling Metabolic and Proteomic Features in Soybean Plants in Response to Copper Hydroxide Nanowires Compared to a Commercial Fertilizer. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13477-13489	10.3	8
184	Accelerating the pace of ecotoxicological assessment using artificial intelligence. <i>Ambio</i> , <b>2021</b> , 1	6.5	1
183	MoS Nanosheets-Cyanobacteria Interaction: Reprogrammed Carbon and Nitrogen Metabolism. <i>ACS Nano</i> , <b>2021</b> , 15, 16344-16356	16.7	3
182	Screening ecological risk of pesticides and emerging contaminants under data limited conditions - Case study modeling urban and agricultural watersheds with OrganoFate. <i>Environmental Pollution</i> , <b>2021</b> , 288, 117662	9.3	3

181	Nano and traditional copper and zinc antifouling coatings: metal release and impact on marine sessile invertebrate communities. <i>Journal of Nanoparticle Research</i> , <b>2020</b> , 22, 1	2.3	15
180	ChemFate: A fate and transport modeling framework for evaluating radically different chemicals under comparable conditions. <i>Chemosphere</i> , <b>2020</b> , 255, 126897	8.4	6
179	Sensitivity of nitrate concentration-discharge patterns to soil nitrate distribution and drainage properties in the vertical dimension. <i>Hydrological Processes</i> , <b>2020</b> , 34, 2477-2493	3.3	3
178	Omics to address the opportunities and challenges of nanotechnology in agriculture. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 1-42	11.1	22
177	Comparison of the colloidal stability, mobility, and performance of nanoscale zerovalent iron and sulfidated derivatives. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 396, 122691	12.8	11
176	Conventional and nano-copper pesticides are equally toxic to the estuarine amphipod <i>Leptocheirus plumulosus</i> . <i>Aquatic Toxicology</i> , <b>2020</b> , 224, 105481	5.1	7
175	Remediation of heavy metal contamination of sediments and soils using ligand-coated dense nanoparticles. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239137	3.7	1
174	Low Concentrations of Silver Nanoparticles and Silver Ions Perturb the Antioxidant Defense System and Nitrogen Metabolism in N-Fixing Cyanobacteria. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15996-16005	10.3	17
173	Metabolomics for early detection of stress in freshwater alga <i>Poteroioochromonas malhamensis</i> exposed to silver nanoparticles. <i>Scientific Reports</i> , <b>2020</b> , 10, 20563	4.9	10
172	Occurrence and risk assessment of emerging contaminants in a water reclamation and ecological reuse project. <i>Science of the Total Environment</i> , <b>2020</b> , 744, 140977	10.2	41
171	Shaping Durum Wheat for the Future: Gene Expression Analyses and Metabolites Profiling Support the Contribution of BCAT Genes to Drought Stress Response. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 891	6.2	6
170	Ultra-High-Precision, Pharmacokinetic Measurements Highlight the Need for and a Route Toward More Highly Personalized Medicine. <i>Frontiers in Molecular Biosciences</i> , <b>2019</b> , 6, 69	5.6	14
169	Proteomic, gene and metabolite characterization reveal the uptake and toxicity mechanisms of cadmium sulfide quantum dots in soybean plants. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 3010-3026	7.1	23
168	Multi-technique approach to study the stability of silver nanoparticles at predicted environmental concentrations in wastewater. <i>Water Research</i> , <b>2019</b> , 166, 115072	12.5	10
167	Variation in regional risk of engineered nanoparticles: nanoTiO <sub>2</sub> as a case study. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 444-455	7.1	13
166	Single particle ICP-MS and GC-MS provide a new insight into the formation mechanisms during the green synthesis of AgNPs. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 3946-3955	3.6	10
165	C60 Fullerenols Enhance Copper Toxicity and Alter the Leaf Metabolite and Protein Profile in Cucumber. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2171-2180	10.3	33
164	Innovation in procedures for human and ecological health risk assessment of engineered nanomaterials <b>2019</b> , 185-208		1

163	Incidence and persistence of silver nanoparticles throughout the wastewater treatment process. <i>Water Research</i> , <b>2019</b> , 156, 188-198	12.5	30
162	Comments in Response to Dye-Induced Fluorescence Sensor System for Chlorinated Solvent DNAPL and Other Non-Naturally Fluorescing NAPLs <i>Ground Water Monitoring and Remediation</i> , <b>2019</b> , 39, 73-74	1.4	0
161	Surface coating determines the response of soybean plants to cadmium sulfide quantum dots. <i>NanoImpact</i> , <b>2019</b> , 14, 100151	5.6	21
160	Effective water disinfection using magnetic barium phosphate nanoflakes loaded with Ag nanoparticles. <i>Journal of Cleaner Production</i> , <b>2019</b> , 218, 173-182	10.3	6
159	Antioxidant response of cucumber ( <i>Cucumis sativus</i> ) exposed to nano copper pesticide: Quantitative determination via LC-MS/MS. <i>Food Chemistry</i> , <b>2019</b> , 270, 47-52	8.5	36
158	Successive removal of <i>E. coli</i> and a mixture of Pb <sup>2+</sup> and malachite green from water via magnetic iron oxide/phosphate nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 578, 123598	5.1	4
157	Giving credit to reforestation for water quality benefits. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217756	3.7	8
156	Competitive removal of Pb and malachite green from water by magnetic phosphate nanocomposites. <i>Water Research</i> , <b>2019</b> , 150, 442-451	12.5	58
155	Short Total Synthesis of [N]-Cylindrospermopsins from NHCl Enables Precise Quantification of Freshwater Cyanobacterial Contamination. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6027-6032	16.4	19
154	Detection of nanoparticles in edible plant tissues exposed to nano-copper using single-particle ICP-MS. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	60
153	Influence of nanoparticle doping on the colloidal stability and toxicity of copper oxide nanoparticles in synthetic and natural waters. <i>Water Research</i> , <b>2018</b> , 132, 12-22	12.5	28
152	OrganoRelease - A framework for modeling the release of organic chemicals from the use and post-use of consumer products. <i>Environmental Pollution</i> , <b>2018</b> , 234, 751-761	9.3	10
151	Highly efficient bacterial removal and disinfection by magnetic barium phosphate nanoflakes with embedded iron oxide nanoparticles. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1341-1349	7.1	16
150	Comparative Metabolic Response between Cucumber ( <i>Cucumis sativus</i> ) and Corn ( <i>Zea mays</i> ) to a Cu(OH) Nanopesticide. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 6628-6636	5.7	55
149	Metabolomics Reveals How Cucumber ( <i>Cucumis sativus</i> ) Reprograms Metabolites To Cope with Silver Ions and Silver Nanoparticle-Induced Oxidative Stress. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8016-8026	10.3	108
148	Quantitative analysis of changes in amino acids levels for cucumber ( <i>Cucumis sativus</i> ) exposed to nano copper. <i>NanoImpact</i> , <b>2018</b> , 12, 9-17	5.6	23
147	Linking Exposure and Kinetic Bioaccumulation Models for Metallic Engineered Nanomaterials in Freshwater Ecosystems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12684-12694	8.3	11
146	Influence of light wavelength on the photoactivity, physicochemical transformation, and fate of graphene oxide in aqueous media. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 2590-2603	7.1	22

145	Interactions between polybrominated diphenyl ethers (PBDEs) and TiO nanoparticle in artificial and natural waters. <i>Water Research</i> , <b>2018</b> , 146, 98-108	12.5	16
144	Metabolomics Reveals the Molecular Mechanisms of Copper Induced Cucumber Leaf ( <i>Cucumis sativus</i> ) Senescence. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 7092-7100	10.3	43
143	H NMR and GC-MS based metabolomics reveal nano-Cu altered cucumber ( <i>Cucumis sativus</i> ) fruit nutritional supply. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 110, 138-146	5.4	55
142	Assessing the Risk of Engineered Nanomaterials in the Environment: Development and Application of the nanoFate Model. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 5541-5551	10.3	160
141	Comparative environmental fate and toxicity of copper nanomaterials. <i>NanoImpact</i> , <b>2017</b> , 7, 28-40	5.6	208
140	Photosynthetic efficiency predicts toxic effects of metal nanomaterials in phytoplankton. <i>Aquatic Toxicology</i> , <b>2017</b> , 183, 85-93	5.1	24
139	Remediation of Cadmium Toxicity by Sulfidized Nano-Iron: The Importance of Organic Material. <i>ACS Nano</i> , <b>2017</b> , 11, 10558-10567	16.7	17
138	Dynamic Model for the Stocks and Release Flows of Engineered Nanomaterials. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12424-12433	10.3	45
137	Heteroaggregation of CeO <sub>2</sub> and TiO <sub>2</sub> engineered nanoparticles in the aqueous phase: Application of turbiscan stability index and fluorescence excitation-emission matrix (EEM) spectra. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 533, 9-19	5.1	43
136	Metabolomics Reveals Cu(OH) Nanopesticide-Activated Anti-oxidative Pathways and Decreased Beneficial Antioxidants in Spinach Leaves. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10184-10194	10.3	76
135	Photochlorination-induced transformation of graphene oxide: Mechanism and environmental fate. <i>Water Research</i> , <b>2017</b> , 124, 372-380	12.5	35
134	Water-energy nexus for urban water systems: A comparative review on energy intensity and environmental impacts in relation to global water risks. <i>Applied Energy</i> , <b>2017</b> , 205, 589-601	10.7	137
133	Rapid Life-Cycle Impact Screening Using Artificial Neural Networks. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10777-10785	10.3	49
132	Interactions, Transformations, and Bioavailability of Nano-Copper Exposed to Root Exudates. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9774-9783	10.3	63
131	Response at Genetic, Metabolic, and Physiological Levels of Maize ( <i>Zea mays</i> ) Exposed to a Cu(OH) <sub>2</sub> Nanopesticide. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 8294-8301	8.3	45
130	Modeling human health characterization factors for indoor nanomaterial emissions in life cycle assessment: a case-study of titanium dioxide. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1705-1721	7.1	9
129	Activation of antioxidant and detoxification gene expression in cucumber plants exposed to a Cu(OH) <sub>2</sub> nanopesticide. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1750-1760	7.1	37
128	GC-TOF-MS based metabolomics and ICP-MS based metallomics of cucumber ( <i>Cucumis sativus</i> ) fruits reveal alteration of metabolites profile and biological pathway disruption induced by nano copper. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 1114-1123	7.1	47

127	Isothermal titration microcalorimetry to determine the thermodynamics of metal ion removal by magnetic nanoparticle sorbents. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 1206-1214	7.1	14
126	Simultaneous removal of PAHs and metal contaminants from water using magnetic nanoparticle adsorbents. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 1029-36	10.2	54
125	Direct Synthesis of Novel and Reactive Sulfide-modified Nano Iron through Nanoparticle Seeding for Improved Cadmium-Contaminated Water Treatment. <i>Scientific Reports</i> , <b>2016</b> , 6, 24358	4.9	40
124	Interactions between Algal Extracellular Polymeric Substances and Commercial TiO Nanoparticles in Aqueous Media. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 12258-12265	10.3	84
123	Gravity-driven transport of three engineered nanomaterials in unsaturated soils and their effects on soil pH and nutrient release. <i>Water Research</i> , <b>2016</b> , 98, 250-60	12.5	24
122	Investigating the Energy-Water Usage Efficiency of the Reuse of Treated Municipal Wastewater for Artificial Groundwater Recharge. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2044-53	10.3	13
121	(1)H NMR and GC-MS Based Metabolomics Reveal Defense and Detoxification Mechanism of Cucumber Plant under Nano-Cu Stress. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2000-10	10.3	158
120	Engineered nanomaterials for water treatment and remediation: Costs, benefits, and applicability. <i>Chemical Engineering Journal</i> , <b>2016</b> , 286, 640-662	14.7	456
119	Developmental effects of two different copper oxide nanomaterials in sea urchin ( <i>Lytechinus pictus</i> ) embryos. <i>Nanotoxicology</i> , <b>2016</b> , 10, 671-9	5.3	37
118	Release and detection of nanosized copper from a commercial antifouling paint. <i>Water Research</i> , <b>2016</b> , 102, 374-382	12.5	92
117	Application of metabolomics to assess the impact of Cu(OH) <sub>2</sub> nanopesticide on the nutritional value of lettuce ( <i>Lactuca sativa</i> ): Enhanced Cu intake and reduced antioxidants. <i>NanoImpact</i> , <b>2016</b> , 3-4, 58-66	5.6	36
116	Influence of Phytoplankton on Fate and Effects of Modified Zerovalent Iron Nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5597-605	10.3	36
115	Optimization of porous structure of superparamagnetic nanoparticle adsorbents for higher and faster removal of emerging organic contaminants and PAHs. <i>Environmental Science: Water Research and Technology</i> , <b>2016</b> , 2, 521-528	4.2	10
114	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 6124-45	10.3	165
113	Metabolomics to Detect Response of Lettuce ( <i>Lactuca sativa</i> ) to Cu(OH) <sub>2</sub> Nanopesticides: Oxidative Stress Response and Detoxification Mechanisms. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9697-707	10.3	119
112	Comparative analysis of energy intensity and carbon emissions in wastewater treatment in USA, Germany, China and South Africa. <i>Applied Energy</i> , <b>2016</b> , 184, 873-881	10.7	110
111	Calculation of water footprint of the iron and steel industry: a case study in Eastern China. <i>Journal of Cleaner Production</i> , <b>2015</b> , 92, 274-281	10.3	77
110	Minimizing impacts of land use change on ecosystem services using multi-criteria heuristic analysis. <i>Journal of Environmental Management</i> , <b>2015</b> , 156, 23-30	7.9	31

109	Species sensitivity distributions for engineered nanomaterials. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 5753-9	10.3	85
108	EDTA functionalized magnetic nanoparticle sorbents for cadmium and lead contaminated water treatment. <i>Water Research</i> , <b>2015</b> , 80, 159-68	12.5	129
107	Heteroaggregation of engineered nanoparticles and kaolin clays in aqueous environments. <i>Water Research</i> , <b>2015</b> , 80, 130-8	12.5	104
106	Environmental Stresses Increase Photosynthetic Disruption by Metal Oxide Nanomaterials in a Soil-Grown Plant. <i>ACS Nano</i> , <b>2015</b> , 9, 11737-49	16.7	77
105	Heteroaggregation of nanoparticles with biocolloids and geocolloids. <i>Advances in Colloid and Interface Science</i> , <b>2015</b> , 226, 24-36	14.3	116
104	The Role of Scale and Technology Maturity in Life Cycle Assessment of Emerging Technologies: A Case Study on Carbon Nanotubes. <i>Journal of Industrial Ecology</i> , <b>2015</b> , 19, 51-60	7.2	103
103	Impacts of Silver Nanoparticles on a Natural Estuarine Plankton Community. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12968-74	10.3	28
102	Toxic effects of copper-based nanoparticles or compounds to lettuce ( <i>Lactuca sativa</i> ) and alfalfa ( <i>Medicago sativa</i> ). <i>Environmental Sciences: Processes and Impacts</i> , <b>2015</b> , 17, 177-85	4.3	173
101	Simulation tool for assessing the release and environmental distribution of nanomaterials. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 938-51	3	28
100	Magnetic sulfide-modified nanoscale zerovalent iron (S-nZVI) for dissolved metal ion removal. <i>Water Research</i> , <b>2015</b> , 74, 47-57	12.5	189
99	Aggregation, dissolution, and transformation of copper nanoparticles in natural waters. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2749-56	10.3	189
98	Predicted Releases of Engineered Nanomaterials: From Global to Regional to Local. <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 65-70	11	564
97	Effects and implications of trophic transfer and accumulation of CeO <sub>2</sub> nanoparticles in a marine mussel. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 1517-24	10.3	56
96	Environmental release, fate and ecotoxicological effects of manufactured ceria nanomaterials. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 533-548	7.1	92
95	Effects of nitrate on the treatment of lead contaminated groundwater by nanoscale zerovalent iron. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 280, 504-13	12.8	35
94	Attenuation coefficients for water quality trading. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6788-94	10.3	21
93	Influence of extracellular polymeric substances on the long-term fate, dissolution, and speciation of copper-based nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12561-8	10.3	186
92	Simultaneous removal of cadmium and nitrate in aqueous media by nanoscale zerovalent iron (nZVI) and Au doped nZVI particles. <i>Water Research</i> , <b>2014</b> , 63, 102-11	12.5	134

91	Estimating Potential Life Cycle Releases of Engineered Nanomaterials from Wastewater Treatment Plants. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 1656-1665	8.3	156
90	Emerging patterns for engineered nanomaterials in the environment: a review of fate and toxicity studies. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	219
89	Long-term colloidal stability and metal leaching of single wall carbon nanotubes: effect of temperature and extracellular polymeric substances. <i>Water Research</i> , <b>2014</b> , 49, 236-50	12.5	80
88	Removal of Arsenic and Phosphate from Aqueous Solution by Metal (Hydr-)oxide Coated Sand. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 1128-1138	8.3	53
87	Release of engineered nanomaterials from personal care products throughout their life cycle. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	104
86	The effect of humic acid on the aggregation of titanium dioxide nanoparticles under different pH and ionic strengths. <i>Science of the Total Environment</i> , <b>2014</b> , 487, 375-80	10.2	150
85	Regional multimedia distribution of nanomaterials and associated exposures: A software platform <b>2014</b> ,		2
84	ENVIRONMENTAL APPLICATIONS OF NANOTECHNOLOGY <b>2014</b> ,		1
83	Alginate modifies the physiological impact of CeO <sub>2</sub> nanoparticles in corn seedlings cultivated in soil. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 382-9	6.4	24
82	Effects of pH, ionic strength and humic acid on the removal of TiO <sub>2</sub> nanoparticles from aqueous phase by coagulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 450, 161-165 <sup>5.1</sup>		31
81	Global life cycle releases of engineered nanomaterials. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	910
80	Effects of dominant material properties on the stability and transport of TiO <sub>2</sub> nanoparticles and carbon nanotubes in aquatic environments: from synthesis to fate. <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 169-89	4.3	35
79	A new insight on the core-shell structure of zerovalent iron nanoparticles and its application for Pb(II) sequestration. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 2, 685-93	12.8	112
78	Accumulation and toxicity of metal oxide nanoparticles in a soft-sediment estuarine amphipod. <i>Aquatic Toxicology</i> , <b>2013</b> , 142-143, 441-6	5.1	61
77	Persistence of commercial nanoscaled zero-valent iron (nZVI) and by-products. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	78
76	Application of ferrate for the treatment of metal-sulfide. <i>Journal of Environmental Management</i> , <b>2013</b> , 116, 95-100	7.9	8
75	Stability, metal leaching, photoactivity and toxicity in freshwater systems of commercial single wall carbon nanotubes. <i>Water Research</i> , <b>2013</b> , 47, 4074-85	12.5	60
74	ZnO nanoparticle fate in soil and zinc bioaccumulation in corn plants ( <i>Zea mays</i> ) influenced by alginate. <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 260-6	4.3	88



73	Dispersion stability and electrokinetic properties of intrinsic plutonium colloids: implications for subsurface transport. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5626-34	10.3	43
72	Implementation of a multidisciplinary approach to solve complex nano EHS problems by the UC Center for the Environmental Implications of Nanotechnology. <i>Small</i> , <b>2013</b> , 9, 1428-43	11	29
71	Magnetic Nanoparticle Adsorbents for Emerging Organic Contaminants. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 731-736	8.3	65
70	Removal of heavy metals from aqueous solution using a novel composite of recycled materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 425, 6-14	5.1	30
69	Environmental feedbacks and engineered nanoparticles: mitigation of silver nanoparticle toxicity to <i>Chlamydomonas reinhardtii</i> by algal-produced organic compounds. <i>PLoS ONE</i> , <b>2013</b> , 8, e74456	3.7	48
68	Influence of material properties on TiO <sub>2</sub> nanoparticle agglomeration. <i>PLoS ONE</i> , <b>2013</b> , 8, e81239	3.7	70
67	Investigation of Two Magnetic Permanently Confined Micelle Array Sorbents Using Nonionic and Cationic Surfactants for the Removal of PAHs and Pesticides from Aqueous Media. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 3647-3655	2.6	20
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- 1 Direct Potable Reuse: Are We Ready? A Review of Technological, Economic, and Environmental Considerations. *ACS ES&T Engineering*,

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