Arturo A Keller

List of Publications by Year
in descending order

204 papers	16,338 citations	14655 66 h-index	17105 122 g-index
206 all docs	206 docs citations	206 times ranked	14859 citing authors

#	Article	IF	Citations
1	Accelerating the pace of ecotoxicological assessment using artificial intelligence. Ambio, 2022, 51, 598-610.	5.5	12
2	Direct Potable Reuse: Are We Ready? A Review of Technological, Economic, and Environmental Considerations. ACS ES&T Engineering, 2022, 2, 273-291.	7.6	16
3	Versailles project on advanced materials and standards (VAMAS) interlaboratory study on measuring the number concentration of colloidal gold nanoparticles. Nanoscale, 2022, 14, 4690-4704.	5.6	15
4	Quantifying the Dynamics of Polystyrene Microplastics UV-Aging Process. Environmental Science and Technology Letters, 2022, 9, 50-56.	8.7	56
5	Evidence of Indoor Dust Acting as Carrier for Metal-Based Nanoparticles: A Study of Exposure and Oxidative Risks. Environmental Science and Technology Letters, 2022, 9, 431-438.	8.7	7
6	Metabolic alterations in alga <i>Chlamydomonas reinhardtii</i> exposed to nTiO₂ materials. Environmental Science: Nano, 2022, 9, 2922-2938.	4.3	5
7	Omics to address the opportunities and challenges of nanotechnology in agriculture. Critical Reviews in Environmental Science and Technology, 2021, 51, 2595-2636.	12.8	50
8	Fast Multielement Quantification of Nanoparticles in Wastewater and Sludge Using Single-Particle ICP-MS. ACS ES&T Water, 2021, 1, 205-213.	4.6	32
9	Incidence of metal-based nanoparticles in the conventional wastewater treatment process. Water Research, 2021, 189, 116603.	11.3	36
10	Metabolomic Responses of Green Alga <i>Chlamydomonas reinhardtii</i> Exposed to Sublethal Concentrations of Inorganic and Methylmercury. Environmental Science & Technology, 2021, 55, 3876-3887.	10.0	46
11	Environmental tradeoffs in municipal wastewater treatment plant upgrade: a life cycle perspective. Environmental Science and Pollution Research, 2021, 28, 34913-34923.	5.3	11
12	Drilling into the Metabolomics to Enhance Insight on Corn and Wheat Responses to Molybdenum Trioxide Nanoparticles. Environmental Science & Technology, 2021, 55, 13452-13464.	10.0	21
13	Dissolution and Aggregation of Metal Oxide Nanoparticles in Root Exudates and Soil Leachate: Implications for Nanoagrochemical Application. Environmental Science & Technology, 2021, 55, 13443-13451.	10.0	45
14	COVID-19 Treatment Agents: Do They Pose an Environmental Risk?. ACS ES&T Water, 2021, 1, 1555-1565.	4.6	8
15	Magnesium Oxide Nanomaterial, an Alternative for Commercial Copper Bactericides: Field-Scale Tomato Bacterial Spot Disease Management and Total and Bioavailable Metal Accumulation in Soil. Environmental Science & Technology, 2021, 55, 13561-13570.	10.0	19
16	Unraveling Metabolic and Proteomic Features in Soybean Plants in Response to Copper Hydroxide Nanowires Compared to a Commercial Fertilizer. Environmental Science & Technology, 2021, 55, 13477-13489.	10.0	27
17	MoS₂ Nanosheetsâ€“Cyanobacteria Interaction: Reprogrammed Carbon and Nitrogen Metabolism. ACS Nano, 2021, 15, 16344-16356.	14.6	28
18	Screening ecological risk of pesticides and emerging contaminants under data limited conditions â€“ Case study modeling urban and agricultural watersheds with OrganoFate. Environmental Pollution, 2021, 288, 117662.	7.5	6

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19	Novel disinfection method for toxic cyanobacteria (Oscillatoria tenuis) and simultaneous removal of cyanotoxins aided by recyclable magnetic nanoparticles. Journal of Environmental Chemical Engineering, 2021, 9, 106589.	6.7	4
20	Metabolomic Response of Early-Stage Wheat (Triticum aestivum) to Surfactant-Aided Foliar Application of Copper Hydroxide and Molybdenum Trioxide Nanoparticles. Nanomaterials, 2021, 11, 3073.	4.1	10
21	Novel Machine Learning-Based Energy Consumption Model of Wastewater Treatment Plants. ACS ES&T Water, 2021, 1, 2531-2540.	4.6	23
22	Engineered nanomaterials for water treatment. , 2021, , .		0
23	Redesigning Water Disinfection Using Recyclable Nanomaterials and Metal Ions: Evaluation with <i>Escherichia coli</i>. ACS ES&T Water, 2021, 1, 185-194.	4.6	5
24	Low Concentrations of Silver Nanoparticles and Silver Ions Perturb the Antioxidant Defense System and Nitrogen Metabolism in N₂-Fixing Cyanobacteria. Environmental Science & Technology, 2020, 54, 15996-16005.	10.0	56
25	Metabolomics for early detection of stress in freshwater alga Poterioochromonas malhamensis exposed to silver nanoparticles. Scientific Reports, 2020, 10, 20563.	3.3	32
26	Occurrence and risk assessment of emerging contaminants in a water reclamation and ecological reuse project. Science of the Total Environment, 2020, 744, 140977.	8.0	73
27	Shaping Durum Wheat for the Future: Gene Expression Analyses and Metabolites Profiling Support the Contribution of BCAT Genes to Drought Stress Response. Frontiers in Plant Science, 2020, 11, 891.	3.6	14
28	Nano and traditional copper and zinc antifouling coatings: metal release and impact on marine sessile invertebrate communities. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	41
29	ChemFate: A fate and transport modeling framework for evaluating radically different chemicals under comparable conditions. Chemosphere, 2020, 255, 126897.	8.2	15
30	Sensitivity of nitrate concentrationâ€discharge patterns to soil nitrate distribution and drainage properties in the vertical dimension. Hydrological Processes, 2020, 34, 2477-2493.	2.6	12
31	Comparison of the colloidal stability, mobility, and performance of nanoscale zerovalent iron and sulfidated derivatives. Journal of Hazardous Materials, 2020, 396, 122691.	12.4	22
32	Conventional and nano-copper pesticides are equally toxic to the estuarine amphipod Leptocheirus plumulosus. Aquatic Toxicology, 2020, 224, 105481.	4.0	25
33	Remediation of heavy metal contamination of sediments and soils using ligand-coated dense nanoparticles. PLoS ONE, 2020, 15, e0239137.	2.5	6
34	Antioxidant response of cucumber (Cucumis sativus) exposed to nano copper pesticide: Quantitative determination via LC-MS/MS. Food Chemistry, 2019, 270, 47-52.	8.2	61
35	Successive removal of E. coli and a mixture of Pb2+ and malachite green from water via magnetic iron oxide/phosphate nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 578, 123598.	4.7	9
36	Giving credit to reforestation for water quality benefits. PLoS ONE, 2019, 14, e0217756.	2.5	13

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37	Ultra-High-Precision, in-vivo Pharmacokinetic Measurements Highlight the Need for and a Route Toward More Highly Personalized Medicine. Frontiers in Molecular Biosciences, 2019, 6, 69.	3.5	28
38	Proteomic, gene and metabolite characterization reveal the uptake and toxicity mechanisms of cadmium sulfide quantum dots in soybean plants. Environmental Science: Nano, 2019, 6, 3010-3026.	4.3	37
39	Multi-technique approach to study the stability of silver nanoparticles at predicted environmental concentrations in wastewater. Water Research, 2019, 166, 115072.	11.3	23
40	Variation in regional risk of engineered nanoparticles: nanoTiO₂ as a case study. Environmental Science: Nano, 2019, 6, 444-455.	4.3	22
41	Single particle ICP-MS and GC-MS provide a new insight into the formation mechanisms during the green synthesis of AgNPs. New Journal of Chemistry, 2019, 43, 3946-3955.	2.8	13
42	C60 Fullerols Enhance Copper Toxicity and Alter the Leaf Metabolite and Protein Profile in Cucumber. Environmental Science & Technology, 2019, 53, 2171-2180.	10.0	53
43	Innovation in procedures for human and ecological health risk assessment of engineered nanomaterials. , 2019, , 185-208.		1
44	Incidence and persistence of silver nanoparticles throughout the wastewater treatment process. Water Research, 2019, 156, 188-198.	11.3	55
45	Comments in Response to â€œ<i>DyeLIFâ„¢: A New Directâ€Push Laserâ€Induced Fluorescence Sensor System for Chlorinated Solvent DNAPL and Other Nonâ€Naturally Fluorescing NAPLsâ€</i>. Ground Water Monitoring and Remediation, 2019, 39, 73-74.	0.8	1
46	Surface coating determines the response of soybean plants to cadmium sulfide quantum dots. NanoImpact, 2019, 14, 100151.	4.5	28
47	Effective water disinfection using magnetic barium phosphate nanoflakes loaded with Ag nanoparticles. Journal of Cleaner Production, 2019, 218, 173-182.	9.3	16
48	Competitive removal of Pb2+ and malachite green from water by magnetic phosphate nanocomposites. Water Research, 2019, 150, 442-451.	11.3	92
49	Short Total Synthesis of [¹⁵N₅]-Cylindrospermopsins from ¹⁵NH₄Cl Enables Precise Quantification of Freshwater Cyanobacterial Contamination. Journal of the American Chemical Society, 2018, 140, 6027-6032.	13.7	28
50	Detection of nanoparticles in edible plant tissues exposed to nano-copper using single-particle ICP-MS. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	77
51	Influence of nanoparticle doping on the colloidal stability and toxicity of copper oxide nanoparticles in synthetic and natural waters. Water Research, 2018, 132, 12-22.	11.3	44
52	OrganoRelease â€“ A framework for modeling the release of organic chemicals from the use and post-use of consumer products. Environmental Pollution, 2018, 234, 751-761.	7.5	15
53	Highly efficient bacterial removal and disinfection by magnetic barium phosphate nanoflakes with embedded iron oxide nanoparticles. Environmental Science: Nano, 2018, 5, 1341-1349.	4.3	23
54	Comparative Metabolic Response between Cucumber (<i>Cucumis sativus</i>) and Corn (<i>Zea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66, 6628-6636.	5.2	81

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55	Nanotechnology Research with Sustainability Considerations. ACS Sustainable Chemistry and Engineering, 2018, 6, 15876-15876.	6.7	2
56	Quantitative analysis of changes in amino acids levels for cucumber (Cucumis sativus) exposed to nano copper. NanoImpact, 2018, 12, 9-17.	4.5	40
57	Linking Exposure and Kinetic Bioaccumulation Models for Metallic Engineered Nanomaterials in Freshwater Ecosystems. ACS Sustainable Chemistry and Engineering, 2018, 6, 12684-12694.	6.7	19
58	Influence of light wavelength on the photoactivity, physicochemical transformation, and fate of graphene oxide in aqueous media. Environmental Science: Nano, 2018, 5, 2590-2603.	4.3	34
59	Interactions between polybrominated diphenyl ethers (PBDEs) and TiO2 nanoparticle in artificial and natural waters. Water Research, 2018, 146, 98-108.	11.3	24
60	Metabolomics Reveals the Molecular Mechanisms of Copper Induced Cucumber Leaf (<i>Cucumis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.0	81
61	Metabolomics Reveals How Cucumber (<i>Cucumis sativus</i>) Reprograms Metabolites To Cope with Silver Ions and Silver Nanoparticle-Induced Oxidative Stress. Environmental Science & Technology, 2018, 52, 8016-8026.	10.0	165
62	1H NMR and GCâ€“MS based metabolomics reveal nano-Cu altered cucumber (Cucumis sativus) fruit nutritional supply. Plant Physiology and Biochemistry, 2017, 110, 138-146.	5.8	67
63	Assessing the Risk of Engineered Nanomaterials in the Environment: Development and Application of the nanoFate Model. Environmental Science & Technology, 2017, 51, 5541-5551.	10.0	205
64	Comparative environmental fate and toxicity of copper nanomaterials. NanoImpact, 2017, 7, 28-40.	4.5	277
65	Photosynthetic efficiency predicts toxic effects of metal nanomaterials in phytoplankton. Aquatic Toxicology, 2017, 183, 85-93.	4.0	33
66	Remediation of Cadmium Toxicity by Sulfidized Nano-Iron: The Importance of Organic Material. ACS Nano, 2017, 11, 10558-10567.	14.6	24
67	Dynamic Model for the Stocks and Release Flows of Engineered Nanomaterials. Environmental Science & Technology, 2017, 51, 12424-12433.	10.0	58
68	Heteroaggregation of CeO2 and TiO2 engineered nanoparticles in the aqueous phase: Application of turbiscan stability index and fluorescence excitation-emission matrix (EEM) spectra. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 533, 9-19.	4.7	66
69	Metabolomics Reveals Cu(OH)₂ Nanopesticide-Activated Anti-oxidative Pathways and Decreased Beneficial Antioxidants in Spinach Leaves. Environmental Science & Technology, 2017, 51, 10184-10194.	10.0	113
70	Photochlorination-induced transformation of graphene oxide: Mechanism and environmental fate. Water Research, 2017, 124, 372-380.	11.3	50
71	Water-energy nexus for urban water systems: A comparative review on energy intensity and environmental impacts in relation to global water risks. Applied Energy, 2017, 205, 589-601.	10.1	192
72	Rapid Life-Cycle Impact Screening Using Artificial Neural Networks. Environmental Science & Technology, 2017, 51, 10777-10785.	10.0	67

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73	Interactions, Transformations, and Bioavailability of Nano-Copper Exposed to Root Exudates. Environmental Science & Technology, 2017, 51, 9774-9783.	10.0	90
74	Response at Genetic, Metabolic, and Physiological Levels of Maize (<i>Zea mays</i>) Exposed to a Cu(OH)₂ Nanopesticide. ACS Sustainable Chemistry and Engineering, 2017, 5, 8294-8301.	6.7	70
75	Modeling human health characterization factors for indoor nanomaterial emissions in life cycle assessment: a case-study of titanium dioxide. Environmental Science: Nano, 2017, 4, 1705-1721.	4.3	11
76	Activation of antioxidant and detoxification gene expression in cucumber plants exposed to a Cu(OH)₂nanopesticide. Environmental Science: Nano, 2017, 4, 1750-1760.	4.3	52
77	Release and detection of nanosized copper from a commercial antifouling paint. Water Research, 2016, 102, 374-382.	11.3	119
78	Application of metabolomics to assess the impact of Cu(OH)2 nanopesticide on the nutritional value of lettuce (Lactuca sativa): Enhanced Cu intake and reduced antioxidants. NanoImpact, 2016, 3-4, 58-66.	4.5	47
79	Influence of Phytoplankton on Fate and Effects of Modified Zerovalent Iron Nanoparticles. Environmental Science & Technology, 2016, 50, 5597-5605.	10.0	49
80	Optimization of porous structure of superparamagnetic nanoparticle adsorbents for higher and faster removal of emerging organic contaminants and PAHs. Environmental Science: Water Research and Technology, 2016, 2, 521-528.	2.4	15
81	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. Environmental Science & Technology, 2016, 50, 6124-6145.	10.0	191
82	Metabolomics to Detect Response of Lettuce (<i>Lactuca sativa</i>) to Cu(OH)₂ Nanopesticides: Oxidative Stress Response and Detoxification Mechanisms. Environmental Science & Technology, 2016, 50, 9697-9707.	10.0	170
83	Comparative analysis of energy intensity and carbon emissions in wastewater treatment in USA, Germany, China and South Africa. Applied Energy, 2016, 184, 873-881.	10.1	174
84	GC-TOF-MS based metabolomics and ICP-MS based metallomics of cucumber (Cucumis sativus) fruits reveal alteration of metabolites profile and biological pathway disruption induced by nano copper. Environmental Science: Nano, 2016, 3, 1114-1123.	4.3	58
85	Isothermal titration microcalorimetry to determine the thermodynamics of metal ion removal by magnetic nanoparticle sorbents. Environmental Science: Nano, 2016, 3, 1206-1214.	4.3	16
86	Simultaneous removal of PAHs and metal contaminants from water using magnetic nanoparticle adsorbents. Science of the Total Environment, 2016, 571, 1029-1036.	8.0	69
87	Direct Synthesis of Novel and Reactive Sulfide-modified Nano Iron through Nanoparticle Seeding for Improved Cadmium-Contaminated Water Treatment. Scientific Reports, 2016, 6, 24358.	3.3	50
88	Interactions between Algal Extracellular Polymeric Substances and Commercial TiO₂ Nanoparticles in Aqueous Media. Environmental Science & Technology, 2016, 50, 12258-12265.	10.0	121
89	Gravity-driven transport of three engineered nanomaterials in unsaturated soils and their effects on soil pH and nutrient release. Water Research, 2016, 98, 250-260.	11.3	31
90	Investigating the Energy-Water Usage Efficiency of the Reuse of Treated Municipal Wastewater for Artificial Groundwater Recharge. Environmental Science & Technology, 2016, 50, 2044-2053.	10.0	20

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91	¹H NMR and GC-MS Based Metabolomics Reveal Defense and Detoxification Mechanism of Cucumber Plant under Nano-Cu Stress. Environmental Science & Technology, 2016, 50, 2000-2010.	10.0	194
92	Engineered nanomaterials for water treatment and remediation: Costs, benefits, and applicability. Chemical Engineering Journal, 2016, 286, 640-662.	12.7	612
93	Developmental effects of two different copper oxide nanomaterials in sea urchin (<i>Lytechinus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.0	42
94	Simulation tool for assessing the release and environmental distribution of nanomaterials. Beilstein Journal of Nanotechnology, 2015, 6, 938-951.	2.8	35
95	Magnetic sulfide-modified nanoscale zerovalent iron (S-nZVI) for dissolved metal ion removal. Water Research, 2015, 74, 47-57.	11.3	267
96	Aggregation, Dissolution, and Transformation of Copper Nanoparticles in Natural Waters. Environmental Science & Technology, 2015, 49, 2749-2756.	10.0	232
97	Calculation of water footprint of the iron and steel industry: a case study in Eastern China. Journal of Cleaner Production, 2015, 92, 274-281.	9.3	101
98	Minimizing impacts of land use change on ecosystem services using multi-criteria heuristic analysis. Journal of Environmental Management, 2015, 156, 23-30.	7.8	46
99	Species Sensitivity Distributions for Engineered Nanomaterials. Environmental Science & Technology, 2015, 49, 5753-5759.	10.0	102
100	EDTA functionalized magnetic nanoparticle sorbents for cadmium and lead contaminated water treatment. Water Research, 2015, 80, 159-168.	11.3	158
101	Heteroaggregation of engineered nanoparticles and kaolin clays in aqueous environments. Water Research, 2015, 80, 130-138.	11.3	128
102	Environmental Stresses Increase Photosynthetic Disruption by Metal Oxide Nanomaterials in a Soil-Grown Plant. ACS Nano, 2015, 9, 11737-11749.	14.6	96
103	Heteroaggregation of nanoparticles with biocolloids and geocolloids. Advances in Colloid and Interface Science, 2015, 226, 24-36.	14.7	156
104	The Role of Scale and Technology Maturity in Life Cycle Assessment of Emerging Technologies: A Case Study on Carbon Nanotubes. Journal of Industrial Ecology, 2015, 19, 51-60.	5.5	137
105	Impacts of Silver Nanoparticles on a Natural Estuarine Plankton Community. Environmental Science & Technology, 2015, 49, 12968-12974.	10.0	36
106	Toxic effects of copper-based nanoparticles or compounds to lettuce (Lactuca sativa) and alfalfa (Medicago sativa). Environmental Sciences: Processes and Impacts, 2015, 17, 177-185.	3.5	208
107	Alginate modifies the physiological impact of CeO_2 nanoparticles in corn seedlings cultivated in soil. Journal of Environmental Sciences, 2014, 26, 382-389.	6.1	29
108	Effects of pH, ionic strength and humic acid on the removal of TiO_2 nanoparticles from aqueous phase by coagulation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 450, 161-165.	4.7	37

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109	Predicted Releases of Engineered Nanomaterials: From Global to Regional to Local. Environmental Science and Technology Letters, 2014, 1, 65-70.	8.7	669
110	Effects and Implications of Trophic Transfer and Accumulation of CeO₂ Nanoparticles in a Marine Mussel. Environmental Science & Technology, 2014, 48, 1517-1524.	10.0	62
111	Environmental release, fate and ecotoxicological effects of manufactured ceria nanomaterials. Environmental Science: Nano, 2014, 1, 533-548.	4.3	110
112	Effects of nitrate on the treatment of lead contaminated groundwater by nanoscale zerovalent iron. Journal of Hazardous Materials, 2014, 280, 504-513.	12.4	39
113	Attenuation Coefficients for Water Quality Trading. Environmental Science & Technology, 2014, 48, 6788-6794.	10.0	28
114	Influence of Extracellular Polymeric Substances on the Long-Term Fate, Dissolution, and Speciation of Copper-Based Nanoparticles. Environmental Science & Technology, 2014, 48, 12561-12568.	10.0	217
115	Simultaneous removal of cadmium and nitrate in aqueous media by nanoscale zerovalent iron (nZVI) and Au doped nZVI particles. Water Research, 2014, 63, 102-111.	11.3	168
116	Estimating Potential Life Cycle Releases of Engineered Nanomaterials from Wastewater Treatment Plants. ACS Sustainable Chemistry and Engineering, 2014, 2, 1656-1665.	6.7	186
117	Emerging patterns for engineered nanomaterials in the environment: a review of fate and toxicity studies. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	269
118	Long-term colloidal stability and metal leaching of single wall carbon nanotubes: Effect of temperature and extracellular polymeric substances. Water Research, 2014, 49, 236-250.	11.3	93
119	Removal of Arsenic and Phosphate from Aqueous Solution by Metal (Hydr-)oxide Coated Sand. ACS Sustainable Chemistry and Engineering, 2014, 2, 1128-1138.	6.7	62
120	Release of engineered nanomaterials from personal care products throughout their life cycle. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	124
121	The effect of humic acid on the aggregation of titanium dioxide nanoparticles under different pH and ionic strengths. Science of the Total Environment, 2014, 487, 375-380.	8.0	181
122	Regional multimedia distribution of nanomaterials and associated exposures: A software platform. , 2014, , .		2
123	ENVIRONMENTAL APPLICATIONS OF NANOTECHNOLOGY. , 2014, , .		1
124	Global life cycle releases of engineered nanomaterials. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	1,097
125	Effects of dominant material properties on the stability and transport of TiO₂nanoparticles and carbon nanotubes in aquatic environments: from synthesis to fate. Environmental Sciences: Processes and Impacts, 2013, 15, 169-189.	3.5	35
126	A new insight on the coreâ€“shell structure of zerovalent iron nanoparticles and its application for Pb(II) sequestration. Journal of Hazardous Materials, 2013, 263, 685-693.	12.4	128

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127	Accumulation and toxicity of metal oxide nanoparticles in a soft-sediment estuarine amphipod. Aquatic Toxicology, 2013, 142-143, 441-446.	4.0	73
128	Persistence of commercial nanoscaled zero-valent iron (nZVI) and by-products. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	84
129	Application of ferrate for the treatment of metal-sulfide. Journal of Environmental Management, 2013, 116, 95-100.	7.8	8
130	Stability, metal leaching, photoactivity and toxicity in freshwater systems of commercial single wall carbon nanotubes. Water Research, 2013, 47, 4074-4085.	11.3	63
131	ZnO nanoparticle fate in soil and zinc bioaccumulation in corn plants (Zea mays) influenced by alginate. Environmental Sciences: Processes and Impacts, 2013, 15, 260-266.	3.5	99
132	Dispersion Stability and Electrokinetic Properties of Intrinsic Plutonium Colloids: Implications for Subsurface Transport. Environmental Science & Technology, 2013, 47, 5626-5634.	10.0	49
133	Implementation of a Multidisciplinary Approach to Solve Complex Nano EHS Problems by the UC Center for the Environmental Implications of Nanotechnology. Small, 2013, 9, 1428-1443.	10.0	32
134	Magnetic Nanoparticle Adsorbents for Emerging Organic Contaminants. ACS Sustainable Chemistry and Engineering, 2013, 1, 731-736.	6.7	73
135	Removal of heavy metals from aqueous solution using a novel composite of recycled materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 425, 6-14.	4.7	34
136	Environmental Feedbacks and Engineered Nanoparticles: Mitigation of Silver Nanoparticle Toxicity to Chlamydomonas reinhardtii by Algal-Produced Organic Compounds. PLoS ONE, 2013, 8, e74456.	2.5	56
137	Influence of Material Properties on TiO2 Nanoparticle Agglomeration. PLoS ONE, 2013, 8, e81239.	2.5	82
138	Investigation of Two Magnetic Permanently Confined Micelle Array Sorbents Using Nonionic and Cationic Surfactants for the Removal of PAHs and Pesticides from Aqueous Media. Water, Air, and Soil Pollution, 2012, 223, 3647-3655.	2.4	25
139	Ecosystem Protection, Integrated Management and Infrastructure are Vital for Improving Water Quality in Africa. Environmental Science & Technology, 2012, 46, 4699-4700.	10.0	10
140	Adsorption of perchlorate and other oxyanions onto magnetic permanently confined micelle arrays (Mag-PCMAs). Water Research, 2012, 46, 635-644.	11.3	32
141	Effect of surface coating and organic matter on the uptake of CeO2 NPs by corn plants grown in soil: Insight into the uptake mechanism. Journal of Hazardous Materials, 2012, 225-226, 131-138.	12.4	207
142	Uptake, accumulation, and biotransformation of metal oxide nanoparticles by a marine suspension-feeder. Journal of Hazardous Materials, 2012, 225-226, 139-145.	12.4	109
143	How do stream organisms respond to, and influence, the concentration of titanium dioxide nanoparticles? A mesocosm study with algae and herbivores. Environmental Toxicology and Chemistry, 2012, 31, 2414-2422.	4.3	51
144	TiO2 Nanoparticles Are Phototoxic to Marine Phytoplankton. PLoS ONE, 2012, 7, e30321.	2.5	223

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145	Clay Particles Destabilize Engineered Nanoparticles in Aqueous Environments. Environmental Science & Technology, 2012, 46, 7520-7526.	10.0	218
146	Mobility of Capped Silver Nanoparticles under Environmentally Relevant Conditions. Environmental Science & Technology, 2012, 46, 6985-6991.	10.0	112
147	Toxicity of Nano-Zero Valent Iron to Freshwater and Marine Organisms. PLoS ONE, 2012, 7, e43983.	2.5	150
148	Microscopic and Spectroscopic Methods Applied to the Measurements of Nanoparticles in the Environment. Applied Spectroscopy Reviews, 2012, 47, 180-206.	6.7	33
149	Increased Mobility of Metal Oxide Nanoparticles Due to Photo and Thermal Induced Disagglomeration. PLoS ONE, 2012, 7, e37363.	2.5	44
150	Photoinduced Disaggregation of TiO2 Nanoparticles Enables Transdermal Penetration. PLoS ONE, 2012, 7, e48719.	2.5	42
151	Metal oxide nanomaterials in seawater: Linking physicochemical characteristics with biological response in sea urchin development. Journal of Hazardous Materials, 2011, 192, 1565-1571.	12.4	126
152	Magnetic pollen grains as sorbents for facile removal of organic pollutants in aqueous media. Journal of Hazardous Materials, 2011, 194, 53-61.	12.4	37
153	Natural organic matter removal by adsorption onto magnetic permanently confined micelle arrays. Journal of Hazardous Materials, 2011, 194, 156-161.	12.4	44
154	Comparative photoactivity of CeO2, Î³-Fe2O3, TiO2 and ZnO in various aqueous systems. Applied Catalysis B: Environmental, 2011, 102, 600-607.	20.2	50
155	Influence of natural organic matter on the aggregation and deposition of titanium dioxide nanoparticles. Journal of Hazardous Materials, 2011, 189, 556-563.	12.4	233
156	Projection of California's Future Freshwater Requirements for Power Generation. Energy and Environment, 2010, 21, 1-20.	4.6	12
157	Natural Organic Matter Removal by Adsorption onto Carbonaceous Nanoparticles and Coagulation. Journal of Environmental Engineering, ASCE, 2010, 136, 1075-1081.	1.4	33
158	Impacts of Metal Oxide Nanoparticles on Marine Phytoplankton. Environmental Science & Technology, 2010, 44, 7329-7334.	10.0	280
159	Stability and Aggregation of Metal Oxide Nanoparticles in Natural Aqueous Matrices. Environmental Science & Technology, 2010, 44, 1962-1967.	10.0	1,162
160	Role of morphology in the aggregation kinetics of ZnO nanoparticles. Water Research, 2010, 44, 2948-2956.	11.3	226
161	Stochastic analysis of transient three-phase flow in heterogeneous porous media. Stochastic Environmental Research and Risk Assessment, 2009, 23, 93-109.	4.0	7
162	AgInput: An Agricultural Nutrient and Pesticide Source Model. Environmental Modeling and Assessment, 2009, 14, 391-403.	2.2	2

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163	Management of Urban Road Runoff Containing PAHs: Probabilistic Modeling and Its Application in Beijing, China¹. Journal of the American Water Resources Association, 2009, 45, 1009-1018.	2.4	12
164	The University of California Center for the Environmental Implications of Nanotechnology. Environmental Science & Technology, 2009, 43, 6453-6457.	10.0	67
165	Magnetic Permanently Confined Micelle Arrays for Treating Hydrophobic Organic Compound Contamination. Journal of the American Chemical Society, 2009, 131, 182-188.	13.7	113
166	Analytical modeling of polycyclic aromatic hydrocarbon loading and transport via road runoff in an urban region of Beijing, China. Water Resources Research, 2009, 45, .	4.2	9
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