

Adeyemi S Adeleye

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.

59
papers

3,715
citations

32
h-index

60
g-index

62
ext. papers

4,508
ext. citations

9
avg, IF

5.73
L-index

#	Paper	IF	Citations
59	Assessing the Environmental Effects Related to Quantum Dot Structure, Function, Synthesis and Exposure.. <i>Environmental Science: Nano</i> , 2022 , 9, 867-910	7.1	2
58	Abundance, fate, and effects of pharmaceuticals and personal care products in aquatic environments. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127284	12.8	22
57	Removal of tetracycline by aerobic granular sludge from marine aquaculture wastewater: A molecular dynamics investigation.. <i>Bioresource Technology</i> , 2022 , 355, 127286	11	0
56	Shrimp Waste-derived Porous Carbon Adsorbent: Performance, Mechanism, and Application of Machine Learning. <i>Journal of Hazardous Materials</i> , 2022 , 129266	12.8	1
55	Engineered nanomaterials for water treatment 2021 ,		
54	Emerging investigator series: immobilization of arsenic in soil by nanoscale zerovalent iron: role of sulfidation and application of machine learning. <i>Environmental Science: Nano</i> , 2021 , 8, 619-633	7.1	3
53	A planned review on designing of high-performance nanocomposite nanofiltration membranes for pollutants removal from water. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 101, 78-125	6.3	11
52	Planning of smart gating membranes for water treatment. <i>Chemosphere</i> , 2021 , 283, 131207	8.4	8
51	Formation of N-nitrosodimethylamine (NDMA) from tetracycline antibiotics during the disinfection of ammonium-containing water: The role of antibiotics dissociation and active chlorine species. <i>Science of the Total Environment</i> , 2021 , 798, 149071	10.2	2
50	Nano and traditional copper and zinc antifouling coatings: metal release and impact on marine sessile invertebrate communities. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	15
49	Comparison of the colloidal stability, mobility, and performance of nanoscale zerovalent iron and sulfidated derivatives. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122691	12.8	11
48	Sustainable management of saline oily wastewater via forward osmosis using aquaporin membrane. <i>Chemical Engineering Research and Design</i> , 2020 , 138, 199-207	5.5	23
47	Effects of graphene oxide nanomaterial exposures on the marine bivalve, <i>Crassostrea virginica</i> . <i>Aquatic Toxicology</i> , 2019 , 216, 105297	5.1	20
46	A 72-h exposure study with eastern oysters (<i>Crassostrea virginica</i>) and the nanomaterial graphene oxide. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 820-830	3.8	13
45	Delivery, uptake, fate, and transport of engineered nanoparticles in plants: a critical review and data analysis. <i>Environmental Science: Nano</i> , 2019 , 6, 2311-2331	7.1	103
44	Fate and Transformation of Graphene Oxide in Estuarine and Marine Waters. <i>Environmental Science & Technology</i> , 2019 , 53, 5858-5867	10.3	17
43	Antioxidant response of cucumber (<i>Cucumis sativus</i>) exposed to nano copper pesticide: Quantitative determination via LC-MS/MS. <i>Food Chemistry</i> , 2019 , 270, 47-52	8.5	36

42	Efficient arsenic(V) removal from contaminated water using natural clay and clay composite adsorbents. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 29748-29762	5.1	47
41	Effects of ozone and produced hydroxyl radicals on the transformation of graphene oxide in aqueous media. <i>Environmental Science: Nano</i> , 2019 , 6, 2484-2494	7.1	13
40	Detection and Quantification of Graphene-Family Nanomaterials in the Environment. <i>Environmental Science & Technology</i> , 2018 , 52, 4491-4513	10.3	99
39	Influence of nanoparticle doping on the colloidal stability and toxicity of copper oxide nanoparticles in synthetic and natural waters. <i>Water Research</i> , 2018 , 132, 12-22	12.5	28
38	Impact of ageing on the fate of molybdate-zerovalent iron nanohybrid and its subsequent effect on cyanobacteria (<i>Microcystis aeruginosa</i>) growth in aqueous media. <i>Water Research</i> , 2018 , 140, 135-147	12.5	11
37	Photoreactivity of graphene oxide in aqueous system: Reactive oxygen species formation and bisphenol A degradation. <i>Chemosphere</i> , 2018 , 195, 344-350	8.4	27
36	Influence of light wavelength on the photoactivity, physicochemical transformation, and fate of graphene oxide in aqueous media. <i>Environmental Science: Nano</i> , 2018 , 5, 2590-2603	7.1	22
35	Interactions between polybrominated diphenyl ethers (PBDEs) and TiO nanoparticle in artificial and natural waters. <i>Water Research</i> , 2018 , 146, 98-108	12.5	16
34	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> , 2017 , 110, 138-146	5.4	55
33	Disinfection byproduct formation in drinking water sources: A case study of Yuqiao reservoir. <i>Chemosphere</i> , 2017 , 181, 224-231	8.4	29
32	Comparative environmental fate and toxicity of copper nanomaterials. <i>NanoImpact</i> , 2017 , 7, 28-40	5.6	208
31	Standardized toxicity testing may underestimate ecotoxicity: Environmentally relevant food rations increase the toxicity of silver nanoparticles to <i>Daphnia</i> . <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 3008-3018	3.8	15
30	Effect of water chemistry on disinfection by-product formation in the complex surface water system. <i>Chemosphere</i> , 2017 , 172, 384-391	8.4	19
29	Remediation of Cadmium Toxicity by Sulfidized Nano-Iron: The Importance of Organic Material. <i>ACS Nano</i> , 2017 , 11, 10558-10567	16.7	17
28	Metabolomics Reveals Cu(OH) Nanopesticide-Activated Anti-oxidative Pathways and Decreased Beneficial Antioxidants in Spinach Leaves. <i>Environmental Science & Technology</i> , 2017 , 51, 10184-10194	10.3	76
27	Photochlorination-induced transformation of graphene oxide: Mechanism and environmental fate. <i>Water Research</i> , 2017 , 124, 372-380	12.5	35
26	The Accuracy of Citizen Science Data: A Quantitative Review. <i>Bulletin of the Ecological Society of America</i> , 2017 , 98, 278-290	0.7	95
25	Activation of antioxidant and detoxification gene expression in cucumber plants exposed to a Cu(OH) ₂ nanopesticide. <i>Environmental Science: Nano</i> , 2017 , 4, 1750-1760	7.1	37

24	Removal of graphene oxide nanomaterials from aqueous media via coagulation: Effects of water chemistry and natural organic matter. <i>Chemosphere</i> , 2017 , 168, 1051-1057	8.4	32
23	Optimal design and characterization of sulfide-modified nanoscale zerovalent iron for diclofenac removal. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 211-220	21.8	113
22	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> , 2016 , 3, 1114-1123	7.1	47
21	Direct Synthesis of Novel and Reactive Sulfide-modified Nano Iron through Nanoparticle Seeding for Improved Cadmium-Contaminated Water Treatment. <i>Scientific Reports</i> , 2016 , 6, 24358	4.9	40
20	Interactions between Algal Extracellular Polymeric Substances and Commercial TiO Nanoparticles in Aqueous Media. <i>Environmental Science & Technology</i> , 2016 , 50, 12258-12265	10.3	84
19	(1)H NMR and GC-MS Based Metabolomics Reveal Defense and Detoxification Mechanism of Cucumber Plant under Nano-Cu Stress. <i>Environmental Science & Technology</i> , 2016 , 50, 2000-10	10.3	158
18	Engineered nanomaterials for water treatment and remediation: Costs, benefits, and applicability. <i>Chemical Engineering Journal</i> , 2016 , 286, 640-662	14.7	456
17	Developmental effects of two different copper oxide nanomaterials in sea urchin (<i>Lytechinus pictus</i>) embryos. <i>Nanotoxicology</i> , 2016 , 10, 671-9	5.3	37
16	Release and detection of nanosized copper from a commercial antifouling paint. <i>Water Research</i> , 2016 , 102, 374-382	12.5	92
15	Influence of Phytoplankton on Fate and Effects of Modified Zerovalent Iron Nanoparticles. <i>Environmental Science & Technology</i> , 2016 , 50, 5597-605	10.3	36
14	Mechanisms and kinetics study on the trihalomethanes formation with carbon nanoparticle precursors. <i>Chemosphere</i> , 2016 , 154, 391-397	8.4	23
13	Metabolomics to Detect Response of Lettuce (<i>Lactuca sativa</i>) to Cu(OH) ₂ Nanopesticides: Oxidative Stress Response and Detoxification Mechanisms. <i>Environmental Science & Technology</i> , 2016 , 50, 9697-707	10.3	119
12	Heteroaggregation of nanoparticles with biocolloids and geocolloids. <i>Advances in Colloid and Interface Science</i> , 2015 , 226, 24-36	14.3	116
11	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> , 2015 , 17, 177-85	4.3	173
10	Magnetic sulfide-modified nanoscale zerovalent iron (S-nZVI) for dissolved metal ion removal. <i>Water Research</i> , 2015 , 74, 47-57	12.5	189
9	Aggregation, dissolution, and transformation of copper nanoparticles in natural waters. <i>Environmental Science & Technology</i> , 2015 , 49, 2749-56	10.3	189
8	Citizen Science as an Approach for Overcoming Insufficient Monitoring and Inadequate Stakeholder Buy-in in Adaptive Management: Criteria and Evidence. <i>Ecosystems</i> , 2015 , 18, 493-506	3.9	79
7	Effects of nitrate on the treatment of lead contaminated groundwater by nanoscale zerovalent iron. <i>Journal of Hazardous Materials</i> , 2014 , 280, 504-13	12.8	35

6	Influence of extracellular polymeric substances on the long-term fate, dissolution, and speciation of copper-based nanoparticles. <i>Environmental Science & Technology</i> , 2014 , 48, 12561-8	10.3	186
5	Simultaneous removal of cadmium and nitrate in aqueous media by nanoscale zerovalent iron (nZVI) and Au doped nZVI particles. <i>Water Research</i> , 2014 , 63, 102-11	12.5	134
4	Long-term colloidal stability and metal leaching of single wall carbon nanotubes: effect of temperature and extracellular polymeric substances. <i>Water Research</i> , 2014 , 49, 236-50	12.5	80
3	Effects of TiO ₂ and Ag nanoparticles on polyhydroxybutyrate biosynthesis by activated sludge bacteria. <i>Environmental Science & Technology</i> , 2014 , 48, 14712-20	10.3	18
2	Persistence of commercial nanoscaled zero-valent iron (nZVI) and by-products. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	78
1	Stability, metal leaching, photoactivity and toxicity in freshwater systems of commercial single wall carbon nanotubes. <i>Water Research</i> , 2013 , 47, 4074-85	12.5	60