

# Adeyemi S Adeleye

## List of Publications by Citations

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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	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
58	Comparative environmental fate and toxicity of copper nanomaterials. <i>NanoImpact</i> , <b>2017</b> , 7, 28-40	5.6	208
57	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
56	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
55	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
54	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
53	(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
52	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
51	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
50	Heteroaggregation of nanoparticles with biocolloids and geocolloids. <i>Advances in Colloid and Interface Science</i> , <b>2015</b> , 226, 24-36	14.3	116
49	Optimal design and characterization of sulfide-modified nanoscale zerovalent iron for diclofenac removal. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 201, 211-220	21.8	113
48	Delivery, uptake, fate, and transport of engineered nanoparticles in plants: a critical review and data analysis. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 2311-2331	7.1	103
47	Detection and Quantification of Graphene-Family Nanomaterials in the Environment. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 4491-4513	10.3	99
46	The Accuracy of Citizen Science Data: A Quantitative Review. <i>Bulletin of the Ecological Society of America</i> , <b>2017</b> , 98, 278-290	0.7	95
45	Release and detection of nanosized copper from a commercial antifouling paint. <i>Water Research</i> , <b>2016</b> , 102, 374-382	12.5	92
44	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
43	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

42	Citizen Science as an Approach for Overcoming Insufficient Monitoring and Inadequate Stakeholder Buy-in in Adaptive Management: Criteria and Evidence. <i>Ecosystems</i> , <b>2015</b> , 18, 493-506	3.9	79
41	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
40	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
39	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
38	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
37	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
36	Efficient arsenic(V) removal from contaminated water using natural clay and clay composite adsorbents. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 29748-29762	5.1	47
35	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
34	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
33	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
32	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
31	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
30	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
29	Photochlorination-induced transformation of graphene oxide: Mechanism and environmental fate. <i>Water Research</i> , <b>2017</b> , 124, 372-380	12.5	35
28	Removal of graphene oxide nanomaterials from aqueous media via coagulation: Effects of water chemistry and natural organic matter. <i>Chemosphere</i> , <b>2017</b> , 168, 1051-1057	8.4	32
27	Disinfection byproduct formation in drinking water sources: A case study of Yuqiao reservoir. <i>Chemosphere</i> , <b>2017</b> , 181, 224-231	8.4	29
26	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
25	Photoreactivity of graphene oxide in aqueous system: Reactive oxygen species formation and bisphenol A degradation. <i>Chemosphere</i> , <b>2018</b> , 195, 344-350	8.4	27

24	Sustainable management of saline oily wastewater via forward osmosis using aquaporin membrane. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 138, 199-207	5.5	23
23	Mechanisms and kinetics study on the trihalomethanes formation with carbon nanoparticle precursors. <i>Chemosphere</i> , <b>2016</b> , 154, 391-397	8.4	23
22	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
21	Abundance, fate, and effects of pharmaceuticals and personal care products in aquatic environments. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 424, 127284	12.8	22
20	Effects of graphene oxide nanomaterial exposures on the marine bivalve, <i>Crassostrea virginica</i> . <i>Aquatic Toxicology</i> , <b>2019</b> , 216, 105297	5.1	20
19	Effect of water chemistry on disinfection by-product formation in the complex surface water system. <i>Chemosphere</i> , <b>2017</b> , 172, 384-391	8.4	19
18	Effects of TiO <sub>2</sub> and Ag nanoparticles on polyhydroxybutyrate biosynthesis by activated sludge bacteria. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 14712-20	10.3	18
17	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
16	Fate and Transformation of Graphene Oxide in Estuarine and Marine Waters. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 5858-5867	10.3	17
15	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
14	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> , <b>2017</b> , 36, 3008-3018	3.8	15
13	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
12	A 72-h exposure study with eastern oysters ( <i>Crassostrea virginica</i> ) and the nanomaterial graphene oxide. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 820-830	3.8	13
11	Effects of ozone and produced hydroxyl radicals on the transformation of graphene oxide in aqueous media. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 2484-2494	7.1	13
10	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
9	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> , <b>2018</b> , 140, 135-147	12.5	11
8	A planned review on designing of high-performance nanocomposite nanofiltration membranes for pollutants removal from water. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 101, 78-125	6.3	11
7	Planning of smart gating membranes for water treatment. <i>Chemosphere</i> , <b>2021</b> , 283, 131207	8.4	8

6	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> , <b>2021</b> , 8, 619-633	7.1	3
5	Assessing the Environmental Effects Related to Quantum Dot Structure, Function, Synthesis and Exposure.. <i>Environmental Science: Nano</i> , <b>2022</b> , 9, 867-910	7.1	2
4	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> , <b>2021</b> , 798, 149071	10.2	2
3	Shrimp Waste-derived Porous Carbon Adsorbent: Performance, Mechanism, and Application of Machine Learning. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 129266	12.8	1
2	Removal of tetracycline by aerobic granular sludge from marine aquaculture wastewater: A molecular dynamics investigation.. <i>Bioresource Technology</i> , <b>2022</b> , 355, 127286	11	0
1	Engineered nanomaterials for water treatment <b>2021</b> ,		