

List of Publications by Citations

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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.

52 papers	1,288 citations	23 h-index	34 g-index
53 ext. papers	1,677 ext. citations	8.6 avg, IF	4.82 L-index

#	Paper	IF	Citations
52	Biochar-Facilitated Microbial Reduction of Hematite. <i>Environmental Science & Technology</i> , 2016 , 50, 2389-95	10.3	110
51	Impact of de-ashing humic Acid and humin on organic matter structural properties and sorption mechanisms of phenanthrene. <i>Environmental Science & Technology</i> , 2011 , 45, 3996-4002	10.3	73
50	Selective stabilization of aliphatic organic carbon by iron oxide. <i>Scientific Reports</i> , 2015 , 5, 11214	4.9	63
49	Dual Role of Humic Substances As Electron Donor and Shuttle for Dissimilatory Iron Reduction. <i>Environmental Science & Technology</i> , 2018 , 52, 5691-5699	10.3	63
48	Dynamics of ferrihydrite-bound organic carbon during microbial Fe reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 212, 221-233	5.5	63
47	Effect of minerals on the stability of biochar. <i>Chemosphere</i> , 2018 , 204, 310-317	8.4	60
46	Microbial availability of different forms of phenanthrene in soils. <i>Environmental Science & Technology</i> , 2009 , 43, 1852-7	10.3	48
45	Impact of natural organic matter on uranium transport through saturated geologic materials: from molecular to column scale. <i>Environmental Science & Technology</i> , 2012 , 46, 5931-8	10.3	47
44	Coupled dynamics of iron and iron-bound organic carbon in forest soils during anaerobic reduction. <i>Chemical Geology</i> , 2017 , 464, 118-126	4.2	43
43	Spatial Associations and Chemical Composition of Organic Carbon Sequestered in Fe, Ca, and Organic Carbon Ternary Systems. <i>Environmental Science & Technology</i> , 2018 , 52, 6936-6944	10.3	40
42	Biodegradation, Biosorption of Phenanthrene and Its Trans-Membrane Transport by <i>Massilia</i> sp. WF1 and <i>Phanerochaete chrysosporium</i> . <i>Frontiers in Microbiology</i> , 2016 , 7, 38	5.7	37
41	Impact of interactions between natural organic matter and metal oxides on the desorption kinetics of uranium from heterogeneous colloidal suspensions. <i>Environmental Science & Technology</i> , 2013 , 47, 2661-9	10.3	36
40	Potential application of titanium dioxide nanoparticles to improve the nutritional quality of coriander (<i>Coriandrum sativum</i> L.). <i>Journal of Hazardous Materials</i> , 2020 , 389, 121837	12.8	35
39	Association of 16 priority polycyclic aromatic hydrocarbons with humic acid and humin fractions in a peat soil and implications for their long-term retention. <i>Environmental Pollution</i> , 2017 , 230, 882-890	9.3	33
38	Effect of activated carbon on microbial bioavailability of phenanthrene in soils. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2283-8	3.8	32
37	Transformation of C-Labeled Graphene to CO in the Shoots of a Rice Plant. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9759-9763	16.4	30
36	Asynchronous reductive release of iron and organic carbon from hematite-humic acid complexes. <i>Chemical Geology</i> , 2016 , 430, 13-20	4.2	28

35	Application of TiO nanoparticles to reduce bioaccumulation of arsenic in rice seedlings (<i>Oryza sativa</i> L.): A mechanistic study. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124047	12.8	28
34	Impact of humic acid coating on sorption of naphthalene by biochars. <i>Carbon</i> , 2015 , 94, 946-954	10.4	27
33	Bioaccumulation of C-Labeled Graphene in an Aquatic Food Chain through Direct Uptake or Trophic Transfer. <i>Environmental Science & Technology</i> , 2018 , 52, 541-549	10.3	25
32	Effects of composition and domain arrangement of biopolymer components of soil organic matter on the bioavailability of phenanthrene. <i>Environmental Science & Technology</i> , 2010 , 44, 3339-44	10.3	25
31	Identifying structural characteristics of humic acid to static and dynamic fluorescence quenching of phenanthrene, 9-phenanthrol, and naphthalene. <i>Water Research</i> , 2017 , 122, 337-344	12.5	23
30	Reclaimed wastewater as a viable water source for agricultural irrigation: A review of food crop growth inhibition and promotion in the context of environmental change. <i>Science of the Total Environment</i> , 2020 , 739, 139756	10.2	23
29	Effects of Various Carbon Nanotubes on Soil Bacterial Community Composition and Structure. <i>Environmental Science & Technology</i> , 2019 , 53, 5707-5716	10.3	22
28	Microbial Transformation of Multiwalled Carbon Nanotubes by <i>Mycobacterium vanbaalenii</i> PYR-1. <i>Environmental Science & Technology</i> , 2017 , 51, 2068-2076	10.3	21
27	Formation and redox reactivity of ferrihydrite-organic carbon-calcium co-precipitates. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 244, 86-98	5.5	21
26	Bioavailability of sorbed phenanthrene and permethrin in sediments to <i>Chironomus tentans</i> . <i>Aquatic Toxicology</i> , 2010 , 98, 83-90	5.1	19
25	A mechanistic study on removal efficiency of four antibiotics by animal and plant origin precursors-derived biochars. <i>Science of the Total Environment</i> , 2021 , 772, 145468	10.2	19
24	Stability of Ferrihydrite-Humic Acid Coprecipitates under Iron-Reducing Conditions. <i>Environmental Science & Technology</i> , 2018 , 52, 13174-13183	10.3	18
23	Plasma assisted-synthesis of magnetic TiO/SiO/FeO-polyacrylic acid microsphere and its application for lead removal from water. <i>Science of the Total Environment</i> , 2019 , 681, 124-132	10.2	16
22	Mechanisms regulating bioavailability of phenanthrene sorbed on a peat soil-origin humic substance. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1431-7	3.8	15
21	Development and application of a digestion-Raman analysis approach for studying multiwall carbon nanotube uptake in lettuce. <i>Environmental Science: Nano</i> , 2018 , 5, 659-668	7.1	14
20	Transformation of ¹⁴ C-Labeled Graphene to ¹⁴ CO ₂ in the Shoots of a Rice Plant. <i>Angewandte Chemie</i> , 2018 , 130, 9907-9911	3.6	13
19	Aerobic respiration of mineral-bound organic carbon in a soil. <i>Science of the Total Environment</i> , 2019 , 651, 1253-1260	10.2	13
18	Destruction of methyl bromide sorbed to activated carbon by thiosulfate or electrolysis. <i>Environmental Science & Technology</i> , 2015 , 49, 4515-21	10.3	12

17	A mechanistic study of stable dispersion of titanium oxide nanoparticles by humic acid. <i>Water Research</i> , 2018 , 135, 85-94	12.5	12
16	Influence of multiwalled carbon nanotubes and sodium dodecyl benzene sulfonate on bioaccumulation and translocation of pyrene and 1-methylpyrene in maize (<i>Zea mays</i>) seedlings. <i>Environmental Pollution</i> , 2017 , 220, 1409-1417	9.3	9
15	Modeling the fate and human health impacts of pharmaceuticals and personal care products in reclaimed wastewater irrigation for agriculture. <i>Environmental Pollution</i> , 2021 , 276, 116532	9.3	8
14	Effect of multiwalled carbon nanotubes on uptake of pyrene by cucumber (<i>Cucumis sativus</i> L.): Mechanistic perspectives. <i>NanoImpact</i> , 2018 , 10, 168-176	5.6	8
13	Emerging investigator series: quantification of multiwall carbon nanotubes in plant tissues with spectroscopic analysis. <i>Environmental Science: Nano</i> , 2019 , 6, 380-387	7.1	7
12	Carbon nanomaterials differentially impact mineralization kinetics of phenanthrene and indigenous microbial communities in a natural soil. <i>NanoImpact</i> , 2018 , 11, 146-155	5.6	7
11	Influence of multi-walled carbon nanotubes and fullerenes on the bioaccumulation and elimination kinetics of phenanthrene in geophagous earthworms (<i>Metaphire guillelmi</i>). <i>Environmental Science: Nano</i> , 2017 , 4, 1887-1899	7.1	7
10	Trace organic contaminants in field-scale cultivated alfalfa, soil, and pore water after 10 years of irrigation with reclaimed wastewater. <i>Science of the Total Environment</i> , 2020 , 744, 140698	10.2	6
9	Digestion Coupled with Programmed Thermal Analysis for Quantification of Multiwall Carbon Nanotubes in Plant Tissues. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 442-447	11	5
8	Humic Acid Can Enhance the Mineralization of Phenanthrene Sorbed on Biochars. <i>Environmental Science & Technology</i> , 2019 , 53, 13201-13208	10.3	5
7	Anaerobic Dehalogenation by Reduced Aqueous Biochars. <i>Environmental Science & Technology</i> , 2020 , 54, 15142-15150	10.3	5
6	Emerging investigator series: dual role of organic matter in the anaerobic degradation of triclosan. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 499-506	4.3	4
5	Biogeochemical fate of ferrihydrite-model organic compound complexes during anaerobic microbial reduction. <i>Science of the Total Environment</i> , 2019 , 668, 216-223	10.2	4
4	Stronger impacts of long-term relative to short-term exposure to carbon nanomaterials on soil bacterial communities. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124550	12.8	4
3	Multifocal 1064 nm Raman imaging of carbon nanotubes. <i>Optics Letters</i> , 2020 , 45, 5132-5135	3	1
2	Introduction of N-containing moieties by ammonia plasma technique can substantially improve ciprofloxacin removal by biochar and the associated mechanisms: Spectroscopic and site energy distribution analysis. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127438	12.8	0
1	Quantification of carboxyl-functionalized multiwall carbon nanotubes in plant tissues with programmed thermal analysis. <i>Journal of Environmental Quality</i> , 2021 , 50, 278-285	3-4	