Hao Zheng

List of Publications by Citations

163 papers	14,830 citations	60 h-index	121 g-index
170 ext. papers	17,395 ext. citations	9.3 avg, IF	7.15 L-index

#	Paper	IF	Citations
163	Phytotoxicity of nanoparticles: inhibition of seed germination and root growth. *Environmental Pollution*, **2007**, 150, 243-50	9.3	1232
162	Root uptake and phytotoxicity of ZnO nanoparticles. *Environmental Science & Technology*, **2008**, 42, 5580-5	10.3	815
161	Compositions and sorptive properties of crop residue-derived chars. *Environmental Science & Technology*, **2004**, 38, 4649-55	10.3	791
160	Dual-Mode Sorption of Low-Polarity Compounds in Glassy Poly(Vinyl Chloride) and Soil Organic Matter. *Environmental Science & Technology*, **1997**, 31, 792-799	10.3	658
159	Adsorption of polycyclic aromatic hydrocarbons by carbon nanomaterials. *Environmental Science & Technology*, **2006**, 40, 1855-61	10.3	649
158	Adsorption of organic compounds by carbon nanomaterials in aqueous phase: Polanyi theory and its application. *Chemical Reviews*, **2010**, 110, 5989-6008	68.1	642
157	Graphene in the aquatic environment: adsorption, dispersion, toxicity and transformation. *Environmental Science & Technology*, **2014**, 48, 9995-10009	10.3	466
156	Competitive Sorption between Atrazine and Other Organic Compounds in Soils and Model Sorbents. *Environmental Science & Technology*, **1996**, 30, 2432-2440	10.3	463
155	Effects and mechanisms of biochar-microbe interactions in soil improvement and pollution remediation: A review. *Environmental Pollution*, **2017**, 227, 98-115	9.3	381
154	Impacts of adding biochar on nitrogen retention and bioavailability in agricultural soil. *Geoderma*, **2013**, 206, 32-39	6.7	276
153	Black Carbon (Biochar) In Water/Soil Environments: Molecular Structure, Sorption, Stability, and Potential Risk. *Environmental Science & Technology*, **2017**, 51, 13517-13532	10.3	267
152	Sorption of bisphenol A, 17□ethinyl estradiol and phenanthrene on thermally and hydrothermally produced biochars. *Bioresource Technology*, **2011**, 102, 5757-63	11	267
151	Sorption of antibiotic sulfamethoxazole varies with biochars produced at different temperatures. *Environmental Pollution*, **2013**, 181, 60-7	9.3	262
150	Competitive sorption of pyrene, phenanthrene, and naphthalene on multiwalled carbon nanotubes. *Environmental Science & Technology*, **2006**, 40, 5804-10	10.3	257
149	Investigating the mechanisms of biochar's removal of lead from solution. *Bioresource Technology*, **2015**, 177, 308-17	11	255
148	Effect of surface charge on the uptake and distribution of gold nanoparticles in four plant species. *Environmental Science & Technology*, **2012**, 46, 12391-8	10.3	245
147	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. *Bioresource Technology*, **2013**, 130, 463-71	11	240

146	Detecting free radicals in biochars and determining their ability to inhibit the germination and growth of corn, wheat and rice seedlings. *Environmental Science & Technology*, **2014**, 48, 8581-7	10.3	223
145	Physiological effects of magnetite (Fe3O4) nanoparticles on perennial ryegrass (Lolium perenne L.) and pumpkin (Cucurbita mixta) plants. *Nanotoxicology*, **2011**, 5, 30-42	5.3	221
144	Degradation of p-Nitrophenol on Biochars: Role of Persistent Free Radicals. *Environmental Science & Technology*, **2016**, 50, 694-700	10.3	205
143	Enhanced adsorption of Cu(II) and Cd(II) by phosphoric acid-modified biochars. *Environmental Pollution*, **2017**, 229, 846-853	9.3	202
142	Contribution of different sulfamethoxazole species to their overall adsorption on functionalized carbon nanotubes. *Environmental Science & Technology*, **2010**, 44, 3806-11	10.3	189
141	Impact of deashing treatment on biochar structural properties and potential sorption mechanisms of phenanthrene. *Environmental Science & Technology*, **2013**, 47, 11473-81	10.3	176
140	Heteroaggregation of graphene oxide with minerals in aqueous phase. *Environmental Science & Technology*, **2015**, 49, 2849-57	10.3	148
139	Polar and aliphatic domains regulate sorption of phthalic acid esters (PAEs) to biochars. *Bioresource Technology*, **2012**, 118, 120-7	11	138
138	Mechanistic understanding toward the toxicity of graphene-family materials to freshwater algae. *Water Research*, **2017**, 111, 18-27	12.5	137
137	Strong sorption of phenanthrene by condensed organic matter in soils and sediments. *Environmental Science & Technology*, **2007**, 41, 3952-8	10.3	136
136	Characterization and influence of biochars on nitrous oxide emission from agricultural soil. *Environmental Pollution*, **2013**, 174, 289-96	9.3	125
135	Sorption of organic contaminants by biopolymer-derived chars. *Environmental Science & Technology*, **2007**, 41, 8342-8	10.3	123
134	Use of biochar-compost to improve properties and productivity of the degraded coastal soil in the Yellow River Delta, China. *Journal of Soils and Sediments*, **2017**, 17, 780-789	3.4	121
133	Physicochemical properties of herb-residue biochar and its sorption to ionizable antibiotic sulfamethoxazole. *Chemical Engineering Journal*, **2014**, 248, 128-134	14.7	119
132	New Evidence for High Sorption Capacity of Hydrochar for Hydrophobic Organic Pollutants. *Environmental Science & Technology*, **2016**, 50, 13274-13282	10.3	117
131	Competitive sorption of pyrene on wood chars. *Environmental Science & Technology*, **2006**, 40, 3267-72	10.3	110
130	Adsorption of ofloxacin and norfloxacin on carbon nanotubes: hydrophobicity- and structure-controlled process. *Journal of Hazardous Materials*, **2012**, 233-234, 89-96	12.8	109
129	Adsorption of aromatic carboxylate ions to black carbon (biochar) is accompanied by proton exchange with water. *Environmental Science & Technology*, **2011**, 45, 9240-8	10.3	109

128	Environmental source, fate, and toxicity of microplastics. *Journal of Hazardous Materials*, **2021**, 407, 124357	13.8	107
127	Enhanced growth of halophyte plants in biochar-amended coastal soil: roles of nutrient availability and rhizosphere microbial modulation. *Plant, Cell and Environment*, **2018**, 41, 517-532	8.4	103
126	Biochar-induced negative carbon mineralization priming effects in a coastal wetland soil: Roles of soil aggregation and microbial modulation. *Science of the Total Environment*, **2018**, 610-611, 951-960	10.2	103
125	Adsorption and desorption of phenanthrene on carbon nanotubes in simulated gastrointestinal fluids. *Environmental Science & Technology*, **2011**, 45, 6018-24	10.3	102
124	Part V--Sorption of pharmaceuticals and personal care products. *Environmental Science and Pollution Research*, **2009**, 16, 106-16	5.1	96
123	Uptake of Engineered Nanoparticles by Food Crops: Characterization, Mechanisms, and Implications. *Annual Review of Food Science and Technology*, **2018**, 9, 129-153	14.7	94
122	Adsorption of sulfonamides on reduced graphene oxides as affected by pH and dissolved organic matter. *Environmental Pollution*, **2016**, 210, 85-93	9.3	92
121	Formation and Physicochemical Characteristics of Nano Biochar: Insight into Chemical and Colloidal Stability. *Environmental Science & Technology*, **2018**, 52, 10369-10379	10.3	91
120	Adsorption of phenanthrene on multilayer graphene as affected by surfactant and exfoliation. *Environmental Science & Technology*, **2014**, 48, 331-9	10.3	88
119	Competitive adsorption of naphthalene with 2,4-dichlorophenol and 4-chloroaniline on multiwalled carbon nanotubes. *Environmental Science & Technology*, **2010**, 44, 3021-7	10.3	87
118	Remediation of petroleum contaminated soils through composting and rhizosphere degradation. *Journal of Hazardous Materials*, **2011**, 190, 677-85	12.8	86
117	Effect of humic acid (HA) on sulfonamide sorption by biochars. *Environmental Pollution*, **2015**, 204, 306-13	9.3	81
116	Investigation of gold nanoparticles uptake and their tissue level distribution in rice plants by laser ablation-inductively coupled-mass spectrometry. *Environmental Pollution*, **2013**, 174, 222-8	9.3	81
115	Colloidal stability of Al2O3 nanoparticles as affected by coating of structurally different humic acids. *Langmuir*, **2010**, 26, 873-9	4	79
114	Surface-bound humic acid increased Pb□+ sorption on carbon nanotubes. *Environmental Pollution*, **2012**, 167, 138-47	9.3	76
113	Influence of biochar on nitrogen fractions in a coastal plain soil. *Journal of Environmental Quality*, **2012**, 41, 1087-95	3.4	74
112	Reduced nitrification and abundance of ammonia-oxidizing bacteria in acidic soil amended with biochar. *Chemosphere*, **2015**, 138, 576-83	8.4	73
111	Photodegradation Elevated the Toxicity of Polystyrene Microplastics to Grouper () through Disrupting Hepatic Lipid Homeostasis. *Environmental Science & Technology*, **2020**, 54, 6202-6212	10.3	67

110	Sulfamethoxazole sorption by sediment fractions in comparison to pyrene and bisphenol A. *Environmental Pollution*, **2010**, 158, 2826-32	9.3	67
109	EFFECTS OF METAL CATIONS ON SORPTION AND DESORPTION OF ORGANIC COMPOUNDS IN HUMIC ACIDS. *Soil Science*, **2001**, 166, 107-115	0.9	65
108	Sorption of apolar and polar organic contaminants by waste tire rubber and its chars in single- and bi-solute systems. *Environmental Pollution*, **2011**, 159, 850-7	9.3	64
107	Biochar□ stability and effect on the content, composition and turnover of soil organic carbon. *Geoderma*, **2020**, 364, 114184	6.7	62
106	Combined effects of biochar properties and soil conditions on plant growth: A meta-analysis. *Science of the Total Environment*, **2020**, 713, 136635	10.2	61
105	Comparative toxicity of the plasticizer dibutyl phthalate to two freshwater algae. *Aquatic Toxicology*, **2017**, 191, 122-130	5.1	60
104	Effect of co-existing kaolinite and goethite on the aggregation of graphene oxide in the aquatic environment. *Water Research*, **2016**, 102, 313-320	12.5	60
103	Coadsorption of Cu and sulfamethoxazole on hydroxylized and graphitized carbon nanotubes. *Science of the Total Environment*, **2012**, 427-428, 247-52	10.2	58
102	Interaction mechanisms of antibiotic sulfamethoxazole with various graphene-based materials and multiwall carbon nanotubes and the effect of humic acid in water. *Carbon*, **2017**, 114, 671-678	10.4	57
101	Coadsorption, desorption hysteresis and sorption thermodynamics of sulfamethoxazole and carbamazepine on graphene oxide and graphite. *Carbon*, **2013**, 65, 243-251	10.4	57
100	Single-solute and bi-solute sorption of phenanthrene and dibutyl phthalate by plant- and manure-derived biochars. *Science of the Total Environment*, **2014**, 473-474, 308-16	10.2	52
99	Pulmonary surfactant suppressed phenanthrene adsorption on carbon nanotubes through solubilization and competition as examined by passive dosing technique. *Environmental Science & Technology*, **2012**, 46, 5369-77	10.3	48
98	Biochar addition reduced net N mineralization of a coastal wetland soil in the Yellow River Delta, China. *Geoderma*, **2016**, 282, 120-128	6.7	47
97	Adsorption of Bovine Serum Albumin and Lysozyme on Functionalized Carbon Nanotubes. *Journal of Physical Chemistry C*, **2014**, 118, 22249-22257	3.8	46
96	Competitive sorption used to probe strong hydrogen bonding sites for weak organic acids on carbon nanotubes. *Environmental Science & Technology*, **2015**, 49, 1409-17	10.3	45
95	pH-dependent sorption of sulfonamide antibiotics onto biochars: Sorption mechanisms and modeling. *Environmental Pollution*, **2019**, 248, 48-56	9.3	42
94	Variation in sorption of propiconazole with biochars: The effect of temperature, mineral, molecular structure, and nano-porosity. *Chemosphere*, **2016**, 142, 56-63	8.4	41
93	Characterization and Phenanthrene Sorption of Natural and Pyrogenic Organic Matter Fractions. *Environmental Science & Technology*, **2017**, 51, 2635-2642	10.3	41

92	Physicochemical and sorption properties of thermally-treated sediments with high organic matter content. *Bioresource Technology*, **2012**, 103, 367-73	11	41
91	New insight into adsorption mechanism of ionizable compounds on carbon nanotubes. *Environmental Science & Technology*, **2013**, 47, 8334-41	10.3	41
90	Iron-carbon composite from carbonization of iron-crosslinked sodium alginate for Cr(VI) removal. *Chemical Engineering Journal*, **2019**, 362, 21-29	14.7	41
89	Graphene quantum dots in alveolar macrophage: uptake-exocytosis, accumulation in nuclei, nuclear responses and DNA cleavage. *Particle and Fibre Toxicology*, **2018**, 15, 45	8.4	41
88	Trophic transfer and accumulation of TiO2 nanoparticles from clamworm (Perinereis aibuhitensis) to juvenile turbot (Scophthalmus maximus) along a marine benthic food chain. *Water Research*, **2016**, 95, 250-9	12.5	39
87	Competitive and complementary adsorption of bisphenol A and 17alpha-ethinyl estradiol on carbon nanomaterials. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 8338-43	5.7	39
86	Effect of biochar-derived dissolved organic matter on adsorption of sulfamethoxazole and chloramphenicol. *Journal of Hazardous Materials*, **2020**, 396, 122598	12.8	39
85	Cosorption of organic chemicals with different properties: their shared and different sorption sites. *Environmental Pollution*, **2012**, 160, 178-84	9.3	38
84	Aging impacts of low molecular weight organic acids (LMWOAs) on furfural production residue-derived biochars: Porosity, functional properties, and inorganic minerals. *Science of the Total Environment*, **2017**, 607-608, 1428-1436	10.2	38
83	Phenanthrene binding by humic acid-protein complexes as studied by passive dosing technique. *Environmental Pollution*, **2014**, 184, 145-53	9.3	37
82	Characteristics and mechanisms of microcystin-LR adsorption by giant reed-derived biochars: Role of minerals, pores, and functional groups. *Journal of Cleaner Production*, **2018**, 176, 463-473	10.3	35
81	Characteristics and mechanisms of chlorpyrifos and chlorpyrifos-methyl adsorption onto biochars: Influence of deashing and low molecular weight organic acid (LMWOA) aging and co-existence. *Science of the Total Environment*, **2019**, 657, 953-962	10.2	35
80	Effects of adding biochar on the properties and nitrogen bioavailability of an acidic soil. *European Journal of Soil Science*, **2017**, 68, 559-572	3.4	34
79	Differential toxicity of functionalized polystyrene microplastics to clams (Meretrix meretrix) at three key development stages of life history. *Marine Pollution Bulletin*, **2019**, 139, 346-354	6.7	32
78	Impact of hydrochar on rice paddy CH and NO emissions: A comparative study with pyrochar. *Chemosphere*, **2018**, 204, 474-482	8.4	31
77	Comparative study of individual and Co-Application of biochar and wood vinegar on blueberry fruit yield and nutritional quality. *Chemosphere*, **2020**, 246, 125699	8.4	30
76	Efficacies of biochar and biochar-based amendment on vegetable yield and nitrogen utilization in four consecutive planting seasons. *Science of the Total Environment*, **2017**, 593-594, 124-133	10.2	29
75	Effects of biochar on carbon mineralization of coastal wetland soils in the Yellow River Delta, China. *Ecological Engineering*, **2016**, 94, 329-336	3.9	29

74	A new potential function for the calculation of contact forces in the combined finite□discrete element method. *International Journal for Numerical and Analytical Methods in Geomechanics*, **2017**, 41, 265-283	4	29
73	Sorption of copper by chemically modified aspen wood fibers. *Chemosphere*, **2009**, 76, 1056-61	8.4	29
72	The role of biochars in sustainable crop production and soil resiliency. *Journal of Experimental Botany*, **2020**, 71, 520-542	7	28
71	Pyrolysis of Arundo donax L. to produce pyrolytic vinegar and its effect on the growth of dinoflagellate Karenia brevis. *Bioresource Technology*, **2018**, 247, 273-281	11	27
70	Removal of ciprofloxacin from aqueous solutions by ionic surfactant-modified carbon nanotubes. *Environmental Pollution*, **2018**, 243, 206-217	9.3	27
69	Biochar reduced Chinese chive (Allium tuberosum) uptake and dissipation of thiamethoxam in an agricultural soil. *Journal of Hazardous Materials*, **2020**, 390, 121749	12.8	26
68	Environmental life cycle assessment of wheat production using chemical fertilizer, manure compost, and biochar-amended manure compost strategies. *Science of the Total Environment*, **2021**, 760, 143342	10.2	26
67	Distribution of different surface modified carbon dots in pumpkin seedlings. *Scientific Reports*, **2018**, 8, 7991	4.9	26
66	Enhancement of water solubility and mobility of phenanthrene by natural soil nanoparticles. *Environmental Pollution*, **2013**, 176, 228-33	9.3	24
65	Dispersant selection for nanomaterials: Insight into dispersing functionalized carbon nanotubes by small polar aromatic organic molecules. *Carbon*, **2015**, 91, 494-505	10.4	23
64	Water clusters contributed to molecular interactions of ionizable organic pollutants with aromatized biochar via □PAHB: Sorption experiments and DFT calculations. *Environmental Pollution* , **2018**, 240, 342-352	9.3	23
63	Interaction of CuO nanoparticles with duckweed (Lemna minor. L): Uptake, distribution and ROS production sites. *Environmental Pollution*, **2018**, 243, 543-552	9.3	21
62	**2016**,		20
61	N2O and CH4 emissions from N-fertilized rice paddy soil can be mitigated by wood vinegar application at an appropriate rate. *Atmospheric Environment*, **2018**, 185, 153-158	5.3	20
60	Effect of co-application of wood vinegar and biochar on seed germination and seedling growth. *Journal of Soils and Sediments*, **2019**, 19, 3934-3944	3.4	19
59	Sawdust biochar application to rice paddy field: reduced nitrogen loss in floodwater accompanied with increased NH volatilization. *Environmental Science and Pollution Research*, **2018**, 25, 8388-8395	5.1	18
58	Inhibitory mechanism of phthalate esters on Karenia brevis. *Chemosphere*, **2016**, 155, 498-508	8.4	18
57	Polystyrene microplastics impaired the feeding and swimming behavior of mysid shrimp Neomysis japonica. *Marine Pollution Bulletin*, **2020**, 150, 110660	6.7	18

56	Comparison of efficacies of peanut shell biochar and biochar-based compost on two leafy vegetable productivity in an infertile land. *Chemosphere*, **2019**, 224, 151-161	8.4	18
55	Effects of biochar input on the properties of soil nanoparticles and dispersion/sedimentation of natural mineral nanoparticles in aqueous phase. *Science of the Total Environment*, **2018**, 634, 595-605	10.2	17
54	Comparison of six digestion methods on fluorescent intensity and morphology of the fluorescent polystyrene beads. *Marine Pollution Bulletin*, **2018**, 131, 515-524	6.7	15
53	Processes and mechanisms of photosynthesis augmented by engineered nanomaterials. *Environmental Chemistry*, **2019**, 16, 430	3.2	15
52	Adsorption, desorption and coadsorption behaviors of sulfamerazine, Pb(II) and benzoic acid on carbon nanotubes and nano-silica. *Science of the Total Environment*, **2020**, 738, 139685	10.2	13
51	Assessment of bioenergy development potential and its environmental impact for rural household energy consumption: A case study in Shandong, China. *Renewable and Sustainable Energy Reviews*, **2017**, 67, 1153-1161	16.2	12
50	Effects of Low-Molecular-Weight Organic Acids on Soil Micropores and Implication for Organic Contaminant Availability. *Communications in Soil Science and Plant Analysis*, **2014**, 45, 1120-1132	1.5	12
49	Comparison of different crop residue-based technologies for their energy production and air pollutant emission. *Science of the Total Environment*, **2020**, 707, 136122	10.2	12
48	Pyroligneous acid mitigated dissemination of antibiotic resistance genes in soil. *Environment International*, **2020**, 145, 106158	12.9	12
47	Fate of four phthalate esters with presence of Karenia brevis: Uptake and biodegradation. *Aquatic Toxicology*, **2019**, 206, 81-90	5.1	12
46	Medium optimization for ε-poly-L-lysine production by Streptomyces diastatochromogenes using response surface methodology. *Letters in Applied Microbiology*, **2018**, 66, 124-131	2.9	12
45	Wood vinegar and biochar co-application mitigates nitrous oxide and methane emissions from rice paddy soil: A two-year experiment. *Environmental Pollution*, **2020**, 267, 115403	9.3	11
44	Trends in atmospheric particles and their light extinction performance between 1980 and 2015 in Beijing, China. *Chemosphere*, **2018**, 205, 52-61	8.4	10
43	Interaction of Microplastics with Antibiotics in Aquatic Environment: Distribution, Adsorption, and Toxicity. *Environmental Science & Technology*, **2021**, 55, 15579-15595	10.3	10
42	Biochar decreased enantioselective uptake of chiral pesticide metalaxyl by lettuce and shifted bacterial community in agricultural soil. *Journal of Hazardous Materials*, **2021**, 417, 126047	12.8	10
41	Biodegradable and re-usable sponge materials made from chitin for efficient removal of microplastics. *Journal of Hazardous Materials*, **2021**, 420, 126599	12.8	10
40	Comparison of the ecotoxicological effects of biochar and activated carbon on a marine clam (Meretrix meretrix). *Journal of Cleaner Production*, **2018**, 180, 252-262	10.3	9
39	Sorption affinities of sulfamethoxazole and carbamazepine to two sorbents under co-sorption systems. *Environmental Pollution*, **2014**, 194, 203-209	9.3	9

38	Production and characterization of hydrochars and their application in soil improvement and environmental remediation. *Chemical Engineering Journal*, **2021**, 133142	14.7	8
37	Mechanistic understanding of highly selective adsorption of bisphenols on microporous-dominated nitrogen-doped framework carbon. *Science of the Total Environment*, **2021**, 762, 143115	10.2	8
36	Biomass-derived N/S dual-doped hierarchically porous carbon material as effective adsorbent for the removal of bisphenol F and bisphenol S. *Journal of Hazardous Materials*, **2021**, 416, 126126	12.8	8
35	Individual and combined applications of biochar and pyroligneous acid mitigate dissemination of antibiotic resistance genes in agricultural soil. *Science of the Total Environment*, **2021**, 796, 148962	10.2	8
34	The Fate of p-Nitrophenol in Goethite-Rich and Sulfide-Containing Dynamic Anoxic/Oxic Environments. *Environmental Science & Technology*, **2020**, 54, 9427-9436	10.3	7
33	Mapping gold nanoparticles on and in edible leaves in situ using surface enhanced Raman spectroscopy. *RSC Advances*, **2016**, 6, 60152-60159	3.7	7
32	Effect of Biochar on the Enantioselective Soil Dissipation and Lettuce Uptake and Translocation of the Chiral Pesticide Metalaxyl in Contaminated Soil. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 13550-13557	5.7	7
31	Adsorption and bioaccessibility of phenanthrene on carbon nanotubes in the in vitro gastrointestinal system. *Science of the Total Environment*, **2016**, 566-567, 50-56	10.2	5
30	Biochar for Water and Soil Remediation: Production, Characterization, and Application **2020**, 153-196		5
29	Effect of individual and combined exposure of Fe2O3 nanoparticles and oxytetracycline on their bioaccumulation by rice (Oryza sativa L.). *Journal of Soils and Sediments*, **2019**, 19, 2459-2471	3.4	4
28	A novel method of rural sewage disinfection via root extracts of hydrophytes. *Ecological Engineering*, **2014**, 64, 344-349	3.9	4
27	Sequential combination of photocatalysis and microalgae technology for promoting the degradation and detoxification of typical antibiotics.. *Water Research*, **2021**, 210, 117985	12.5	4
26	Functionalized polystyrene nanoplastic-induced energy homeostasis imbalance and the immunomodulation dysfunction of marine clams (Meretrix meretrix) at environmentally relevant concentrations. *Environmental Science: Nano*, **2021**, 8, 2030-2048	7.1	4
25	Dynamic characteristics of soil respiration in Yellow River Delta wetlands, China. *Physics and Chemistry of the Earth*, **2018**, 103, 11-18	3	3
24	Potential toxicity of nanoplastics to fish and aquatic invertebrates: Current understanding, mechanistic interpretation, and meta-analysis. *Journal of Hazardous Materials*, **2021**, 127870	12.8	3
23	Secondary PVC microplastics are more toxic than primary PVC microplastics to Oryzias melastigma embryos. *Journal of Hazardous Materials*, **2022**, 424, 127421	12.8	3
22	Potential Toxic Compounds in Biochar **2019**, 349-384		3
21	Rapid and efficient removal of silver nanoparticles from plant surfaces using sodium hypochlorite and ammonium hydroxide solution. *Food Control*, **2019**, 98, 68-73	6.2	3

20	Rhizosphere effect of different aquatic plants on phosphorus depletion. *Frontiers of Environmental Science and Engineering in China*, **2008**, 2, 274-279		2
19	Effects and Uptake of Nanoparticles in Plants **2016**, 386-408		2
18	Adsorption of phenanthrene onto magnetic multi-walled carbon nanotubes (MMWCNTs) influenced by various fractions of humic acid from a single soil. *Chemosphere*, **2021**, 277, 130259	8.4	2
17	Photocatalytic strategy to mitigate microplastic pollution in aquatic environments: Promising catalysts, efficiencies, mechanisms, and ecological risks. *Critical Reviews in Environmental Science and Technology*,1-23	11.1	2
16	Analysis of Material Properties with Biochar Improve Indian Mustard (Brassica juncea) Growth in Acidic Soil in Northern China. *Applied Mechanics and Materials*, **2014**, 540, 239-242	0.3	1
15	Investigation on parameters optimization to produce hydrochar without carbohydrate carbon. *Science of the Total Environment*, **2020**, 748, 141354	10.2	1
14	Effects of Phosphorus Ensembled Nanomaterials on Nutrient Uptake and Distribution in Glycine max L. under Simulated Precipitation. *Agronomy*, **2021**, 11, 1086	3.6	1
13	Light-driven inactivation of harmful algae Microcystis aeruginosa and degradation of microcystin by oxygen-doped carbon nitride nanosheets. *Chemical Engineering Journal*, **2021**, 417, 128094	14.7	1
12	Biochar Enhanced Growth and Biological Nitrogen Fixation of Wild Soybean (Glycine max subsp. soja Siebold & Zucc.) in a Coastal Soil of China. *Agriculture (Switzerland)*, **2021**, 11, 1246	3	1
11	Insight into the significant contribution of intrinsic defects of carbon-based materials for the efficient removal of tetracycline antibiotics. *Chemical Engineering Journal*, **2022**, 435, 134822	14.7	0
10	Heteroaggregation between graphene oxide and titanium dioxide particles of different shapes in aqueous phase.. *Journal of Hazardous Materials*, **2022**, 428, 128146	12.8	0
9	Characteristics of algae-derived biochars and their sorption and remediation performance for sulfamethoxazole in marine environment. *Chemical Engineering Journal*, **2021**, 133092	14.7	0
8	Changes in the hepatitis B surface antibody in childhood acute lymphocytic leukaemia survivors after treatment with the CCLG-ALL 2008 protocol. *Clinical and Experimental Immunology*, **2021**, 203, 80-86	6.2	0
7	Can the multi-walled carbon nanotubes be used to alleviate the phytotoxicity of herbicides in soils?. *Chemosphere*, **2021**, 283, 131304	8.4	0
6	Comparative study of pyrochar and hydrochar on peanut seedling growth in a coastal salt-affected soil of Yellow River Delta, China.. *Science of the Total Environment*, **2022**, 155183	10.2	0
5	Interaction and combined toxicity of microplastics and per- and polyfluoroalkyl substances in aquatic environment. *Frontiers of Environmental Science and Engineering*, **2022**, 16,	5.8	0
4	Selenium content and nutritional quality of Brassica chinensis L enhanced by selenium engineered nanomaterials: The role of surface charge. *Environmental Pollution*, **2022**, 119582	9.3	0
3	Mass Spectrometric Methods for Investigating the Influence of Surface Chemistry on the Fate of Core‐Shell Nanoparticles in Biological and Environmental Samples **2016**, 31-52		

2 Fate and Effects of Engineered Nanomaterials in Agricultural Systems. *Nanotechnology in the Life Sciences*, **2021**, 269-292 1.1

1 BIOCHAR PRODUCTION AND AMENDMENT **2022**, 259-296