

# Hao Zheng

## 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.

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	Insight into the significant contribution of intrinsic defects of carbon-based materials for the efficient removal of tetracycline antibiotics. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134822	14.7	0
162	Heteroaggregation between graphene oxide and titanium dioxide particles of different shapes in aqueous phase.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 428, 128146	12.8	0
161	Secondary PVC microplastics are more toxic than primary PVC microplastics to <i>Oryzias melastigma</i> embryos. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 424, 127421	12.8	3
160	BIOCHAR PRODUCTION AND AMENDMENT <b>2022</b> , 259-296		
159	Comparative study of pyrochar and hydrochar on peanut seedling growth in a coastal salt-affected soil of Yellow River Delta, China.. <i>Science of the Total Environment</i> , <b>2022</b> , 155183	10.2	0
158	Interaction and combined toxicity of microplastics and per- and polyfluoroalkyl substances in aquatic environment. <i>Frontiers of Environmental Science and Engineering</i> , <b>2022</b> , 16,	5.8	0
157	Selenium content and nutritional quality of <i>Brassica chinensis</i> L enhanced by selenium engineered nanomaterials: The role of surface charge. <i>Environmental Pollution</i> , <b>2022</b> , 119582	9.3	0
156	Interaction of Microplastics with Antibiotics in Aquatic Environment: Distribution, Adsorption, and Toxicity. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15579-15595	10.3	10
155	Potential toxicity of nanoplastics to fish and aquatic invertebrates: Current understanding, mechanistic interpretation, and meta-analysis. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 127870	12.8	3
154	Sequential combination of photocatalysis and microalgae technology for promoting the degradation and detoxification of typical antibiotics.. <i>Water Research</i> , <b>2021</b> , 210, 117985	12.5	4
153	Production and characterization of hydrochars and their application in soil improvement and environmental remediation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133142	14.7	8
152	Characteristics of algae-derived biochars and their sorption and remediation performance for sulfamethoxazole in marine environment. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133092	14.7	0
151	Effects of Phosphorus Ensembled Nanomaterials on Nutrient Uptake and Distribution in <i>Glycine max</i> L. under Simulated Precipitation. <i>Agronomy</i> , <b>2021</b> , 11, 1086	3.6	1
150	Mechanistic understanding of highly selective adsorption of bisphenols on microporous-dominated nitrogen-doped framework carbon. <i>Science of the Total Environment</i> , <b>2021</b> , 762, 143115	10.2	8
149	Changes in the hepatitis B surface antibody in childhood acute lymphocytic leukaemia survivors after treatment with the CCLG-ALL 2008 protocol. <i>Clinical and Experimental Immunology</i> , <b>2021</b> , 203, 80-86	6.2	0
148	Light-driven inactivation of harmful algae <i>Microcystis aeruginosa</i> and degradation of microcystin by oxygen-doped carbon nitride nanosheets. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 128094	14.7	1
147	Environmental source, fate, and toxicity of microplastics. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 407, 124357	10.7	107

146	Environmental life cycle assessment of wheat production using chemical fertilizer, manure compost, and biochar-amended manure compost strategies. <i>Science of the Total Environment</i> , <b>2021</b> , 760, 143342	10.2	26
145	Fate and Effects of Engineered Nanomaterials in Agricultural Systems. <i>Nanotechnology in the Life Sciences</i> , <b>2021</b> , 269-292	1.1	
144	Biomass-derived N/S dual-doped hierarchically porous carbon material as effective adsorbent for the removal of bisphenol F and bisphenol S. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 126126	12.8	8
143	Adsorption of phenanthrene onto magnetic multi-walled carbon nanotubes (MMWCNTs) influenced by various fractions of humic acid from a single soil. <i>Chemosphere</i> , <b>2021</b> , 277, 130259	8.4	2
142	Biochar decreased enantioselective uptake of chiral pesticide metalaxyl by lettuce and shifted bacterial community in agricultural soil. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 417, 126047	12.8	10
141	Biodegradable and re-usable sponge materials made from chitin for efficient removal of microplastics. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 420, 126599	12.8	10
140	Can the multi-walled carbon nanotubes be used to alleviate the phytotoxicity of herbicides in soils?. <i>Chemosphere</i> , <b>2021</b> , 283, 131304	8.4	0
139	Individual and combined applications of biochar and pyrolytic acid mitigate dissemination of antibiotic resistance genes in agricultural soil. <i>Science of the Total Environment</i> , <b>2021</b> , 796, 148962	10.2	8
138	Functionalized polystyrene nanoplastic-induced energy homeostasis imbalance and the immunomodulation dysfunction of marine clams ( <i>Meretrix meretrix</i> ) at environmentally relevant concentrations. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 2030-2048	7.1	4
137	Biochar Enhanced Growth and Biological Nitrogen Fixation of Wild Soybean ( <i>Glycine max</i> subsp. <i>soja</i> Siebold & Zucc.) in a Coastal Soil of China. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 1246	3	1
136	Adsorption, desorption and coadsorption behaviors of sulfamerazine, Pb(II) and benzoic acid on carbon nanotubes and nano-silica. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139685	10.2	13
135	Photodegradation Elevated the Toxicity of Polystyrene Microplastics to Grouper () through Disrupting Hepatic Lipid Homeostasis. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 6202-6212	10.3	67
134	The Fate of p-Nitrophenol in Goethite-Rich and Sulfide-Containing Dynamic Anoxic/Oxic Environments. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9427-9436	10.3	7
133	Combined effects of biochar properties and soil conditions on plant growth: A meta-analysis. <i>Science of the Total Environment</i> , <b>2020</b> , 713, 136635	10.2	61
132	Biochar stability and effect on the content, composition and turnover of soil organic carbon. <i>Geoderma</i> , <b>2020</b> , 364, 114184	6.7	62
131	Comparative study of individual and Co-Application of biochar and wood vinegar on blueberry fruit yield and nutritional quality. <i>Chemosphere</i> , <b>2020</b> , 246, 125699	8.4	30
130	Comparison of different crop residue-based technologies for their energy production and air pollutant emission. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 136122	10.2	12
129	Polystyrene microplastics impaired the feeding and swimming behavior of mysid shrimp <i>Neomysis japonica</i> . <i>Marine Pollution Bulletin</i> , <b>2020</b> , 150, 110660	6.7	18

128	Biochar reduced Chinese chive ( <i>Allium tuberosum</i> ) uptake and dissipation of thiamethoxam in an agricultural soil. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 390, 121749	12.8	26
127	Pyrolytic acid mitigated dissemination of antibiotic resistance genes in soil. <i>Environment International</i> , <b>2020</b> , 145, 106158	12.9	12
126	Wood vinegar and biochar co-application mitigates nitrous oxide and methane emissions from rice paddy soil: A two-year experiment. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115403	9.3	11
125	Investigation on parameters optimization to produce hydrochar without carbohydrate carbon. <i>Science of the Total Environment</i> , <b>2020</b> , 748, 141354	10.2	1
124	Biochar for Water and Soil Remediation: Production, Characterization, and Application <b>2020</b> , 153-196		5
123	The role of biochars in sustainable crop production and soil resiliency. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 520-542	7	28
122	Effect of biochar-derived dissolved organic matter on adsorption of sulfamethoxazole and chloramphenicol. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 396, 122598	12.8	39
121	Effect of individual and combined exposure of Fe <sub>2</sub> O <sub>3</sub> nanoparticles and oxytetracycline on their bioaccumulation by rice ( <i>Oryza sativa</i> L.). <i>Journal of Soils and Sediments</i> , <b>2019</b> , 19, 2459-2471	3.4	4
120	Effect of co-application of wood vinegar and biochar on seed germination and seedling growth. <i>Journal of Soils and Sediments</i> , <b>2019</b> , 19, 3934-3944	3.4	19
119	pH-dependent sorption of sulfonamide antibiotics onto biochars: Sorption mechanisms and modeling. <i>Environmental Pollution</i> , <b>2019</b> , 248, 48-56	9.3	42
118	Effect of Biochar on the Enantioselective Soil Dissipation and Lettuce Uptake and Translocation of the Chiral Pesticide Metalaxyl in Contaminated Soil. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 13550-13557	5.7	7
117	Processes and mechanisms of photosynthesis augmented by engineered nanomaterials. <i>Environmental Chemistry</i> , <b>2019</b> , 16, 430	3.2	15
116	Comparison of efficacies of peanut shell biochar and biochar-based compost on two leafy vegetable productivity in an infertile land. <i>Chemosphere</i> , <b>2019</b> , 224, 151-161	8.4	18
115	Iron-carbon composite from carbonization of iron-crosslinked sodium alginate for Cr(VI) removal. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 21-29	14.7	41
114	Potential Toxic Compounds in Biochar <b>2019</b> , 349-384		3
113	Rapid and efficient removal of silver nanoparticles from plant surfaces using sodium hypochlorite and ammonium hydroxide solution. <i>Food Control</i> , <b>2019</b> , 98, 68-73	6.2	3
112	Fate of four phthalate esters with presence of <i>Karenia brevis</i> : Uptake and biodegradation. <i>Aquatic Toxicology</i> , <b>2019</b> , 206, 81-90	5.1	12
111	Differential toxicity of functionalized polystyrene microplastics to clams ( <i>Meretrix meretrix</i> ) at three key development stages of life history. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 139, 346-354	6.7	32

110	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. <i>Science of the Total Environment</i> , <b>2019</b> , 657, 953-962	10.2	35
109	Trends in atmospheric particles and their light extinction performance between 1980 and 2015 in Beijing, China. <i>Chemosphere</i> , <b>2018</b> , 205, 52-61	8.4	10
108	Impact of hydrochar on rice paddy CH and NO emissions: A comparative study with pyrochar. <i>Chemosphere</i> , <b>2018</b> , 204, 474-482	8.4	31
107	Effects of biochar input on the properties of soil nanoparticles and dispersion/sedimentation of natural mineral nanoparticles in aqueous phase. <i>Science of the Total Environment</i> , <b>2018</b> , 634, 595-605	10.2	17
106	Comparison of the ecotoxicological effects of biochar and activated carbon on a marine clam ( <i>Meretrix meretrix</i> ). <i>Journal of Cleaner Production</i> , <b>2018</b> , 180, 252-262	10.3	9
105	Sawdust biochar application to rice paddy field: reduced nitrogen loss in floodwater accompanied with increased NH volatilization. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 8388-8395	5.1	18
104	Characteristics and mechanisms of microcystin-LR adsorption by giant reed-derived biochars: Role of minerals, pores, and functional groups. <i>Journal of Cleaner Production</i> , <b>2018</b> , 176, 463-473	10.3	35
103	Uptake of Engineered Nanoparticles by Food Crops: Characterization, Mechanisms, and Implications. <i>Annual Review of Food Science and Technology</i> , <b>2018</b> , 9, 129-153	14.7	94
102	Enhanced growth of halophyte plants in biochar-amended coastal soil: roles of nutrient availability and rhizosphere microbial modulation. <i>Plant, Cell and Environment</i> , <b>2018</b> , 41, 517-532	8.4	103
101	Dynamic characteristics of soil respiration in Yellow River Delta wetlands, China. <i>Physics and Chemistry of the Earth</i> , <b>2018</b> , 103, 11-18	3	3
100	Biochar-induced negative carbon mineralization priming effects in a coastal wetland soil: Roles of soil aggregation and microbial modulation. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 951-960	10.2	103
99	Pyrolysis of <i>Arundo donax</i> L. to produce pyrolytic vinegar and its effect on the growth of dinoflagellate <i>Karenia brevis</i> . <i>Bioresource Technology</i> , <b>2018</b> , 247, 273-281	11	27
98	Comparison of six digestion methods on fluorescent intensity and morphology of the fluorescent polystyrene beads. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 131, 515-524	6.7	15
97	Formation and Physicochemical Characteristics of Nano Biochar: Insight into Chemical and Colloidal Stability. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10369-10379	10.3	91
96	Removal of ciprofloxacin from aqueous solutions by ionic surfactant-modified carbon nanotubes. <i>Environmental Pollution</i> , <b>2018</b> , 243, 206-217	9.3	27
95	Medium optimization for $\epsilon$ -poly-L-lysine production by <i>Streptomyces diastatochromogenes</i> using response surface methodology. <i>Letters in Applied Microbiology</i> , <b>2018</b> , 66, 124-131	2.9	12
94	Graphene quantum dots in alveolar macrophage: uptake-exocytosis, accumulation in nuclei, nuclear responses and DNA cleavage. <i>Particle and Fibre Toxicology</i> , <b>2018</b> , 15, 45	8.4	41
93	Interaction of CuO nanoparticles with duckweed ( <i>Lemna minor</i> L): Uptake, distribution and ROS production sites. <i>Environmental Pollution</i> , <b>2018</b> , 243, 543-552	9.3	21

92	Distribution of different surface modified carbon dots in pumpkin seedlings. <i>Scientific Reports</i> , <b>2018</b> , 8, 7991	4.9	26
91	Water clusters contributed to molecular interactions of ionizable organic pollutants with aromatized biochar via $\pi$ -PAHB: Sorption experiments and DFT calculations. <i>Environmental Pollution</i> , <b>2018</b> , 240, 342-352	9.3	23
90	N <sub>2</sub> O and CH <sub>4</sub> emissions from N-fertilized rice paddy soil can be mitigated by wood vinegar application at an appropriate rate. <i>Atmospheric Environment</i> , <b>2018</b> , 185, 153-158	5.3	20
89	Use of biochar-compost to improve properties and productivity of the degraded coastal soil in the Yellow River Delta, China. <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 780-789	3.4	121
88	Characterization and Phenanthrene Sorption of Natural and Pyrogenic Organic Matter Fractions. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2635-2642	10.3	41
87	Effects and mechanisms of biochar-microbe interactions in soil improvement and pollution remediation: A review. <i>Environmental Pollution</i> , <b>2017</b> , 227, 98-115	9.3	381
86	Efficacies of biochar and biochar-based amendment on vegetable yield and nitrogen utilization in four consecutive planting seasons. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 124-133	10.2	29
85	Mechanistic understanding toward the toxicity of graphene-family materials to freshwater algae. <i>Water Research</i> , <b>2017</b> , 111, 18-27	12.5	137
84	Interaction mechanisms of antibiotic sulfamethoxazole with various graphene-based materials and multiwall carbon nanotubes and the effect of humic acid in water. <i>Carbon</i> , <b>2017</b> , 114, 671-678	10.4	57
83	Aging impacts of low molecular weight organic acids (LMWOAs) on furfural production residue-derived biochars: Porosity, functional properties, and inorganic minerals. <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 1428-1436	10.2	38
82	Effects of adding biochar on the properties and nitrogen bioavailability of an acidic soil. <i>European Journal of Soil Science</i> , <b>2017</b> , 68, 559-572	3.4	34
81	Enhanced adsorption of Cu(II) and Cd(II) by phosphoric acid-modified biochars. <i>Environmental Pollution</i> , <b>2017</b> , 229, 846-853	9.3	202
80	Comparative toxicity of the plasticizer dibutyl phthalate to two freshwater algae. <i>Aquatic Toxicology</i> , <b>2017</b> , 191, 122-130	5.1	60
79	Black Carbon (Biochar) In Water/Soil Environments: Molecular Structure, Sorption, Stability, and Potential Risk. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13517-13532	10.3	267
78	Assessment of bioenergy development potential and its environmental impact for rural household energy consumption: A case study in Shandong, China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 67, 1153-1161	16.2	12
77	A new potential function for the calculation of contact forces in the combined finite-discrete element method. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2017</b> , 41, 265-283	4	29
76	Variation in sorption of propiconazole with biochars: The effect of temperature, mineral, molecular structure, and nano-porosity. <i>Chemosphere</i> , <b>2016</b> , 142, 56-63	8.4	41
75	New Evidence for High Sorption Capacity of Hydrochar for Hydrophobic Organic Pollutants. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 13274-13282	10.3	117

74	Effects of biochar on carbon mineralization of coastal wetland soils in the Yellow River Delta, China. <i>Ecological Engineering</i> , <b>2016</b> , 94, 329-336	3.9	29
73	Mapping gold nanoparticles on and in edible leaves in situ using surface enhanced Raman spectroscopy. <i>RSC Advances</i> , <b>2016</b> , 6, 60152-60159	3.7	7
72	Inhibitory mechanism of phthalate esters on <i>Karenia brevis</i> . <i>Chemosphere</i> , <b>2016</b> , 155, 498-508	8.4	18
71	Trophic transfer and accumulation of TiO <sub>2</sub> nanoparticles from clamworm ( <i>Perinereis aiuhitensis</i> ) to juvenile turbot ( <i>Scophthalmus maximus</i> ) along a marine benthic food chain. <i>Water Research</i> , <b>2016</b> , 95, 250-9	12.5	39
70	Adsorption of sulfonamides on reduced graphene oxides as affected by pH and dissolved organic matter. <i>Environmental Pollution</i> , <b>2016</b> , 210, 85-93	9.3	92
69	Degradation of p-Nitrophenol on Biochars: Role of Persistent Free Radicals. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 694-700	10.3	205
68	<b>2016</b> ,		20
67	Effect of co-existing kaolinite and goethite on the aggregation of graphene oxide in the aquatic environment. <i>Water Research</i> , <b>2016</b> , 102, 313-320	12.5	60
66	Adsorption and bioaccessibility of phenanthrene on carbon nanotubes in the in vitro gastrointestinal system. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 50-56	10.2	5
65	Effects and Uptake of Nanoparticles in Plants <b>2016</b> , 386-408		2
64	Mass Spectrometric Methods for Investigating the Influence of Surface Chemistry on the Fate of Core-Shell Nanoparticles in Biological and Environmental Samples <b>2016</b> , 31-52		
63	Biochar addition reduced net N mineralization of a coastal wetland soil in the Yellow River Delta, China. <i>Geoderma</i> , <b>2016</b> , 282, 120-128	6.7	47
62	Reduced nitrification and abundance of ammonia-oxidizing bacteria in acidic soil amended with biochar. <i>Chemosphere</i> , <b>2015</b> , 138, 576-83	8.4	73
61	Effect of humic acid (HA) on sulfonamide sorption by biochars. <i>Environmental Pollution</i> , <b>2015</b> , 204, 306-123	12.3	81
60	Investigating the mechanisms of biochar's removal of lead from solution. <i>Bioresource Technology</i> , <b>2015</b> , 177, 308-17	11	255
59	Dispersant selection for nanomaterials: Insight into dispersing functionalized carbon nanotubes by small polar aromatic organic molecules. <i>Carbon</i> , <b>2015</b> , 91, 494-505	10.4	23
58	Competitive sorption used to probe strong hydrogen bonding sites for weak organic acids on carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1409-17	10.3	45
57	Heteroaggregation of graphene oxide with minerals in aqueous phase. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2849-57	10.3	148

56	Phenanthrene binding by humic acid-protein complexes as studied by passive dosing technique. <i>Environmental Pollution</i> , <b>2014</b> , 184, 145-53	9.3	37
55	Graphene in the aquatic environment: adsorption, dispersion, toxicity and transformation. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 9995-10009	10.3	466
54	Detecting free radicals in biochars and determining their ability to inhibit the germination and growth of corn, wheat and rice seedlings. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8581-7	10.3	223
53	Sorption affinities of sulfamethoxazole and carbamazepine to two sorbents under co-sorption systems. <i>Environmental Pollution</i> , <b>2014</b> , 194, 203-209	9.3	9
52	Adsorption of Bovine Serum Albumin and Lysozyme on Functionalized Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 22249-22257	3.8	46
51	A novel method of rural sewage disinfection via root extracts of hydrophytes. <i>Ecological Engineering</i> , <b>2014</b> , 64, 344-349	3.9	4
50	Physicochemical properties of herb-residue biochar and its sorption to ionizable antibiotic sulfamethoxazole. <i>Chemical Engineering Journal</i> , <b>2014</b> , 248, 128-134	14.7	119
49	Analysis of Material Properties with Biochar Improve Indian Mustard ( <i>Brassica juncea</i> ) Growth in Acidic Soil in Northern China. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 540, 239-242	0.3	1
48	Effects of Low-Molecular-Weight Organic Acids on Soil Micropores and Implication for Organic Contaminant Availability. <i>Communications in Soil Science and Plant Analysis</i> , <b>2014</b> , 45, 1120-1132	1.5	12
47	Single-solute and bi-solute sorption of phenanthrene and dibutyl phthalate by plant- and manure-derived biochars. <i>Science of the Total Environment</i> , <b>2014</b> , 473-474, 308-16	10.2	52
46	Adsorption of phenanthrene on multilayer graphene as affected by surfactant and exfoliation. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 331-9	10.3	88
45	Investigation of gold nanoparticles uptake and their tissue level distribution in rice plants by laser ablation-inductively coupled-mass spectrometry. <i>Environmental Pollution</i> , <b>2013</b> , 174, 222-8	9.3	81
44	Coadsorption, desorption hysteresis and sorption thermodynamics of sulfamethoxazole and carbamazepine on graphene oxide and graphite. <i>Carbon</i> , <b>2013</b> , 65, 243-251	10.4	57
43	Impact of deashing treatment on biochar structural properties and potential sorption mechanisms of phenanthrene. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11473-81	10.3	176
42	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. <i>Bioresource Technology</i> , <b>2013</b> , 130, 463-71	11	240
41	Sorption of antibiotic sulfamethoxazole varies with biochars produced at different temperatures. <i>Environmental Pollution</i> , <b>2013</b> , 181, 60-7	9.3	262
40	Characterization and influence of biochars on nitrous oxide emission from agricultural soil. <i>Environmental Pollution</i> , <b>2013</b> , 174, 289-96	9.3	125
39	Enhancement of water solubility and mobility of phenanthrene by natural soil nanoparticles. <i>Environmental Pollution</i> , <b>2013</b> , 176, 228-33	9.3	24



38	Impacts of adding biochar on nitrogen retention and bioavailability in agricultural soil. <i>Geoderma</i> , <b>2013</b> , 206, 32-39	6.7	276
37	New insight into adsorption mechanism of ionizable compounds on carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 8334-41	10.3	41
36	Cosorption of organic chemicals with different properties: their shared and different sorption sites. <i>Environmental Pollution</i> , <b>2012</b> , 160, 178-84	9.3	38
35	Surface-bound humic acid increased Pb <sup>2+</sup> sorption on carbon nanotubes. <i>Environmental Pollution</i> , <b>2012</b> , 167, 138-47	9.3	76
34	Physicochemical and sorption properties of thermally-treated sediments with high organic matter content. <i>Bioresource Technology</i> , <b>2012</b> , 103, 367-73	11	41
33	Coadsorption of Cu and sulfamethoxazole on hydroxylized and graphitized carbon nanotubes. <i>Science of the Total Environment</i> , <b>2012</b> , 427-428, 247-52	10.2	58
32	Effect of surface charge on the uptake and distribution of gold nanoparticles in four plant species. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12391-8	10.3	245
31	Pulmonary surfactant suppressed phenanthrene adsorption on carbon nanotubes through solubilization and competition as examined by passive dosing technique. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5369-77	10.3	48
30	Polar and aliphatic domains regulate sorption of phthalic acid esters (PAEs) to biochars. <i>Bioresource Technology</i> , <b>2012</b> , 118, 120-7	11	138
29	Adsorption of ofloxacin and norfloxacin on carbon nanotubes: hydrophobicity- and structure-controlled process. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 233-234, 89-96	12.8	109
28	Influence of biochar on nitrogen fractions in a coastal plain soil. <i>Journal of Environmental Quality</i> , <b>2012</b> , 41, 1087-95	3.4	74
27	Physiological effects of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles on perennial ryegrass ( <i>Lolium perenne</i> L.) and pumpkin ( <i>Cucurbita mixta</i> ) plants. <i>Nanotoxicology</i> , <b>2011</b> , 5, 30-42	5.3	221
26	Sorption of apolar and polar organic contaminants by waste tire rubber and its chars in single- and bi-solute systems. <i>Environmental Pollution</i> , <b>2011</b> , 159, 850-7	9.3	64
25	Sorption of bisphenol A, 17 $\beta$ -ethinyl estradiol and phenanthrene on thermally and hydrothermally produced biochars. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5757-63	11	267
24	Adsorption of aromatic carboxylate ions to black carbon (biochar) is accompanied by proton exchange with water. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 9240-8	10.3	109
23	Adsorption and desorption of phenanthrene on carbon nanotubes in simulated gastrointestinal fluids. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6018-24	10.3	102
22	Remediation of petroleum contaminated soils through composting and rhizosphere degradation. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 190, 677-85	12.8	86
21	Contribution of different sulfamethoxazole species to their overall adsorption on functionalized carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3806-11	10.3	189

20	Competitive and complementary adsorption of bisphenol A and 17 $\alpha$ -ethinyl estradiol on carbon nanomaterials. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 8338-43	5.7	39
19	Competitive adsorption of naphthalene with 2,4-dichlorophenol and 4-chloroaniline on multiwalled carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3021-7	10.3	87
18	Adsorption of organic compounds by carbon nanomaterials in aqueous phase: Polanyi theory and its application. <i>Chemical Reviews</i> , <b>2010</b> , 110, 5989-6008	68.1	642
17	Colloidal stability of Al <sub>2</sub> O <sub>3</sub> nanoparticles as affected by coating of structurally different humic acids. <i>Langmuir</i> , <b>2010</b> , 26, 873-9	4	79
16	Sulfamethoxazole sorption by sediment fractions in comparison to pyrene and bisphenol A. <i>Environmental Pollution</i> , <b>2010</b> , 158, 2826-32	9.3	67
15	Part V--Sorption of pharmaceuticals and personal care products. <i>Environmental Science and Pollution Research</i> , <b>2009</b> , 16, 106-16	5.1	96
14	Sorption of copper by chemically modified aspen wood fibers. <i>Chemosphere</i> , <b>2009</b> , 76, 1056-61	8.4	29
13	Root uptake and phytotoxicity of ZnO nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 5580-5	10.3	815
12	Rhizosphere effect of different aquatic plants on phosphorus depletion. <i>Frontiers of Environmental Science and Engineering in China</i> , <b>2008</b> , 2, 274-279		2
11	Strong sorption of phenanthrene by condensed organic matter in soils and sediments. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 3952-8	10.3	136
10	Sorption of organic contaminants by biopolymer-derived chars. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 8342-8	10.3	123
9	Phytotoxicity of nanoparticles: inhibition of seed germination and root growth. <i>Environmental Pollution</i> , <b>2007</b> , 150, 243-50	9.3	1232
8	Competitive sorption of pyrene, phenanthrene, and naphthalene on multiwalled carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 5804-10	10.3	257
7	Adsorption of polycyclic aromatic hydrocarbons by carbon nanomaterials. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 1855-61	10.3	649
6	Competitive sorption of pyrene on wood chars. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 3267-72	10.3	110
5	Compositions and sorptive properties of crop residue-derived chars. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4649-55	10.3	791
4	EFFECTS OF METAL CATIONS ON SORPTION AND DESORPTION OF ORGANIC COMPOUNDS IN HUMIC ACIDS. <i>Soil Science</i> , <b>2001</b> , 166, 107-115	0.9	65
3	Dual-Mode Sorption of Low-Polarity Compounds in Glassy Poly(Vinyl Chloride) and Soil Organic Matter. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 792-799	10.3	658

2	Competitive Sorption between Atrazine and Other Organic Compounds in Soils and Model Sorbents. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 2432-2440	10.3	463
1	Photocatalytic strategy to mitigate microplastic pollution in aquatic environments: Promising catalysts, efficiencies, mechanisms, and ecological risks. <i>Critical Reviews in Environmental Science and Technology</i> , 1-23	11.1	2