

Hao Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

165
papers

20,390
citations

14644

66
h-index

10441

139
g-index

170
all docs

170
docs citations

170
times ranked

15852
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytotoxicity of nanoparticles: Inhibition of seed germination and root growth. <i>Environmental Pollution</i> , 2007, 150, 243-250.	3.7	1,481
2	Root Uptake and Phytotoxicity of ZnO Nanoparticles. <i>Environmental Science & Technology</i> , 2008, 42, 5580-5585.	4.6	981
3	Compositions and Sorptive Properties of Crop Residue-Derived Chars. <i>Environmental Science & Technology</i> , 2004, 38, 4649-4655.	4.6	904
4	Adsorption of Organic Compounds by Carbon Nanomaterials in Aqueous Phase: Polanyi Theory and Its Application. <i>Chemical Reviews</i> , 2010, 110, 5989-6008.	23.0	741
5	Dual-Mode Sorption of Low-Polarity Compounds in Glassy Poly(Vinyl Chloride) and Soil Organic Matter. <i>Environmental Science & Technology</i> , 1997, 31, 792-799.	4.6	705
6	Adsorption of Polycyclic Aromatic Hydrocarbons by Carbon Nanomaterials. <i>Environmental Science & Technology</i> , 2006, 40, 1855-1861.	4.6	699
7	Effects and mechanisms of biochar-microbe interactions in soil improvement and pollution remediation: A review. <i>Environmental Pollution</i> , 2017, 227, 98-115.	3.7	634
8	Graphene in the Aquatic Environment: Adsorption, Dispersion, Toxicity and Transformation. <i>Environmental Science & Technology</i> , 2014, 48, 9995-10009.	4.6	573
9	Competitive Sorption between Atrazine and Other Organic Compounds in Soils and Model Sorbents. <i>Environmental Science & Technology</i> , 1996, 30, 2432-2440.	4.6	491
10	Black Carbon (Biochar) In Water/Soil Environments: Molecular Structure, Sorption, Stability, and Potential Risk. <i>Environmental Science & Technology</i> , 2017, 51, 13517-13532.	4.6	441
11	Environmental source, fate, and toxicity of microplastics. <i>Journal of Hazardous Materials</i> , 2021, 407, 124357.	6.5	414
12	Impacts of adding biochar on nitrogen retention and bioavailability in agricultural soil. <i>Geoderma</i> , 2013, 206, 32-39.	2.3	365
13	Investigating the mechanisms of biochar's removal of lead from solution. <i>Bioresource Technology</i> , 2015, 177, 308-317.	4.8	337
14	Sorption of antibiotic sulfamethoxazole varies with biochars produced at different temperatures. <i>Environmental Pollution</i> , 2013, 181, 60-67.	3.7	334
15	Effect of Surface Charge on the Uptake and Distribution of Gold Nanoparticles in Four Plant Species. <i>Environmental Science & Technology</i> , 2012, 46, 12391-12398.	4.6	332
16	Detecting Free Radicals in Biochars and Determining Their Ability to Inhibit the Germination and Growth of Corn, Wheat and Rice Seedlings. <i>Environmental Science & Technology</i> , 2014, 48, 8581-8587.	4.6	330
17	Enhanced adsorption of Cu(II) and Cd(II) by phosphoric acid-modified biochars. <i>Environmental Pollution</i> , 2017, 229, 846-853.	3.7	330
18	Sorption of bisphenol A, 17 β -ethinyl estradiol and phenanthrene on thermally and hydrothermally produced biochars. <i>Bioresource Technology</i> , 2011, 102, 5757-5763.	4.8	312

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19	Degradation of <i>p</i> -Nitrophenol on Biochars: Role of Persistent Free Radicals. <i>Environmental Science & Technology</i> , 2016, 50, 694-700.	4.6	302
20	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. <i>Bioresource Technology</i> , 2013, 130, 463-471.	4.8	301
21	Physiological effects of magnetite (Fe ₃ O ₄) nanoparticles on perennial ryegrass (<i>Lolium perenne</i> L.) and pumpkin (<i>Cucurbita mixta</i>) plants. <i>Nanotoxicology</i> , 2011, 5, 30-42.	1.6	289
22	Competitive Sorption of Pyrene, Phenanthrene, and Naphthalene on Multiwalled Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2006, 40, 5804-5810.	4.6	275
23	Impact of Deashing Treatment on Biochar Structural Properties and Potential Sorption Mechanisms of Phenanthrene. <i>Environmental Science & Technology</i> , 2013, 47, 11473-11481.	4.6	216
24	Contribution of Different Sulfamethoxazole Species to Their Overall Adsorption on Functionalized Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2010, 44, 3806-3811.	4.6	212
25	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> , 2017, 17, 780-789.	1.5	208
26	Mechanistic understanding toward the toxicity of graphene-family materials to freshwater algae. <i>Water Research</i> , 2017, 111, 18-27.	5.3	203
27	Enhanced growth of halophyte plants in biochar-amended coastal soil: roles of nutrient availability and rhizosphere microbial modulation. <i>Plant, Cell and Environment</i> , 2018, 41, 517-532.	2.8	194
28	Photodegradation Elevated the Toxicity of Polystyrene Microplastics to Grouper (<i>Epinephelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 2020, 54, 6202-6212.	4.6	187
29	Heteroaggregation of Graphene Oxide with Minerals in Aqueous Phase. <i>Environmental Science & Technology</i> , 2015, 49, 2849-2857.	4.6	182
30	Formation and Physicochemical Characteristics of Nano Biochar: Insight into Chemical and Colloidal Stability. <i>Environmental Science & Technology</i> , 2018, 52, 10369-10379.	4.6	178
31	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> , 2018, 610-611, 951-960.	3.9	170
32	Interaction of Microplastics with Antibiotics in Aquatic Environment: Distribution, Adsorption, and Toxicity. <i>Environmental Science & Technology</i> , 2021, 55, 15579-15595.	4.6	169
33	Polar and aliphatic domains regulate sorption of phthalic acid esters (PAEs) to biochars. <i>Bioresource Technology</i> , 2012, 118, 120-127.	4.8	163
34	Characterization and influence of biochars on nitrous oxide emission from agricultural soil. <i>Environmental Pollution</i> , 2013, 174, 289-296.	3.7	156
35	Combined effects of biochar properties and soil conditions on plant growth: A meta-analysis. <i>Science of the Total Environment</i> , 2020, 713, 136635.	3.9	156
36	Biochar's stability and effect on the content, composition and turnover of soil organic carbon. <i>Geoderma</i> , 2020, 364, 114184.	2.3	154

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37	Physicochemical properties of herb-residue biochar and its sorption to ionizable antibiotic sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2014, 248, 128-134.	6.6	152
38	Adsorption of ofloxacin and norfloxacin on carbon nanotubes: Hydrophobicity- and structure-controlled process. <i>Journal of Hazardous Materials</i> , 2012, 233-234, 89-96.	6.5	147
39	Strong Sorption of Phenanthrene by Condensed Organic Matter in Soils and Sediments. <i>Environmental Science & Technology</i> , 2007, 41, 3952-3958.	4.6	144
40	New Evidence for High Sorption Capacity of Hydrochar for Hydrophobic Organic Pollutants. <i>Environmental Science & Technology</i> , 2016, 50, 13274-13282.	4.6	142
41	Sorption of Organic Contaminants by Biopolymer-Derived Chars. <i>Environmental Science & Technology</i> , 2007, 41, 8342-8348.	4.6	131
42	Uptake of Engineered Nanoparticles by Food Crops: Characterization, Mechanisms, and Implications. <i>Annual Review of Food Science and Technology</i> , 2018, 9, 129-153.	5.1	131
43	Adsorption of Aromatic Carboxylate Ions to Black Carbon (Biochar) Is Accompanied by Proton Exchange with Water. <i>Environmental Science & Technology</i> , 2011, 45, 9240-9248.	4.6	128
44	Adsorption and Desorption of Phenanthrene on Carbon Nanotubes in Simulated Gastrointestinal Fluids. <i>Environmental Science & Technology</i> , 2011, 45, 6018-6024.	4.6	125
45	Competitive Sorption of Pyrene on Wood Chars. <i>Environmental Science & Technology</i> , 2006, 40, 3267-3272.	4.6	123
46	Effect of humic acid (HA) on sulfonamide sorption by biochars. <i>Environmental Pollution</i> , 2015, 204, 306-312.	3.7	118
47	Adsorption of sulfonamides on reduced graphene oxides as affected by pH and dissolved organic matter. <i>Environmental Pollution</i> , 2016, 210, 85-93.	3.7	109
48	Reduced nitrification and abundance of ammonia-oxidizing bacteria in acidic soil amended with biochar. <i>Chemosphere</i> , 2015, 138, 576-583.	4.2	107
49	Remediation of petroleum contaminated soils through composting and rhizosphere degradation. <i>Journal of Hazardous Materials</i> , 2011, 190, 677-685.	6.5	105
50	Part V&E”sorption of pharmaceuticals and personal care products. <i>Environmental Science and Pollution Research</i> , 2009, 16, 106-116.	2.7	104
51	Adsorption of Phenanthrene on Multilayer Graphene as Affected by Surfactant and Exfoliation. <i>Environmental Science & Technology</i> , 2014, 48, 331-339.	4.6	101
52	Competitive Adsorption of Naphthalene with 2,4-Dichlorophenol and 4-Chloroaniline on Multiwalled Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2010, 44, 3021-3027.	4.6	97
53	Investigation of gold nanoparticles uptake and their tissue level distribution in rice plants by laser ablation-inductively coupled-mass spectrometry. <i>Environmental Pollution</i> , 2013, 174, 222-228.	3.7	97
54	Surface-bound humic acid increased Pb ²⁺ sorption on carbon nanotubes. <i>Environmental Pollution</i> , 2012, 167, 138-147.	3.7	88

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55	Colloidal Stability of Al ₂ O ₃ Nanoparticles as Affected by Coating of Structurally Different Humic Acids. <i>Langmuir</i> , 2010, 26, 873-879.	1.6	87
56	Influence of Biochar on Nitrogen Fractions in a Coastal Plain Soil. <i>Journal of Environmental Quality</i> , 2012, 41, 1087-1095.	1.0	87
57	Comparative toxicity of the plasticizer dibutyl phthalate to two freshwater algae. <i>Aquatic Toxicology</i> , 2017, 191, 122-130.	1.9	87
58	Sorption of apolar and polar organic contaminants by waste tire rubber and its chars in single- and bi-solute systems. <i>Environmental Pollution</i> , 2011, 159, 850-857.	3.7	82
59	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> , 2017, 114, 671-678.	5.4	81
60	Biodegradable and re-usable sponge materials made from chitin for efficient removal of microplastics. <i>Journal of Hazardous Materials</i> , 2021, 420, 126599.	6.5	77
61	Sulfamethoxazole sorption by sediment fractions in comparison to pyrene and bisphenol A. <i>Environmental Pollution</i> , 2010, 158, 2826-2832.	3.7	73
62	Effect of biochar-derived dissolved organic matter on adsorption of sulfamethoxazole and chloramphenicol. <i>Journal of Hazardous Materials</i> , 2020, 396, 122598.	6.5	73
63	Effect of co-existing kaolinite and goethite on the aggregation of graphene oxide in the aquatic environment. <i>Water Research</i> , 2016, 102, 313-320.	5.3	72
64	Production and characterization of hydrochars and their application in soil improvement and environmental remediation. <i>Chemical Engineering Journal</i> , 2022, 430, 133142.	6.6	71
65	Sequential combination of photocatalysis and microalgae technology for promoting the degradation and detoxification of typical antibiotics. <i>Water Research</i> , 2022, 210, 117985.	5.3	70
66	EFFECTS OF METAL CATIONS ON SORPTION AND DESORPTION OF ORGANIC COMPOUNDS IN HUMIC ACIDS. <i>Soil Science</i> , 2001, 166, 107-115.	0.9	69
67	Coadsorption of Cu and sulfamethoxazole on hydroxylized and graphitized carbon nanotubes. <i>Science of the Total Environment</i> , 2012, 427-428, 247-252.	3.9	69
68	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> , 2021, 760, 143342.	3.9	69
69	Iron-carbon composite from carbonization of iron-crosslinked sodium alginate for Cr(VI) removal. <i>Chemical Engineering Journal</i> , 2019, 362, 21-29.	6.6	66
70	Comparative study of individual and Co-Application of biochar and wood vinegar on blueberry fruit yield and nutritional quality. <i>Chemosphere</i> , 2020, 246, 125699.	4.2	66
71	Biochar addition reduced net N mineralization of a coastal wetland soil in the Yellow River Delta, China. <i>Geoderma</i> , 2016, 282, 120-128.	2.3	65
72	Graphene quantum dots in alveolar macrophage: uptake-exocytosis, accumulation in nuclei, nuclear responses and DNA cleavage. <i>Particle and Fibre Toxicology</i> , 2018, 15, 45.	2.8	65

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73	Coadsorption, desorption hysteresis and sorption thermodynamics of sulfamethoxazole and carbamazepine on graphene oxide and graphite. <i>Carbon</i> , 2013, 65, 243-251.	5.4	64
74	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> , 2017, 607-608, 1428-1436.	3.9	64
75	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> , 2019, 657, 953-962.	3.9	62
76	pH-dependent sorption of sulfonamide antibiotics onto biochars: Sorption mechanisms and modeling. <i>Environmental Pollution</i> , 2019, 248, 48-56.	3.7	61
77	Adsorption of Bovine Serum Albumin and Lysozyme on Functionalized Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22249-22257.	1.5	59
78	Trophic transfer and accumulation of TiO ₂ nanoparticles from clamworm (<i>Perinereis aibuhitensis</i>) to juvenile turbot (<i>Scophthalmus maximus</i>) along a marine benthic food chain. <i>Water Research</i> , 2016, 95, 250-259.	5.3	59
79	Single-solute and bi-solute sorption of phenanthrene and dibutyl phthalate by plant- and manure-derived biochars. <i>Science of the Total Environment</i> , 2014, 473-474, 308-316.	3.9	58
80	Competitive Sorption Used To Probe Strong Hydrogen Bonding Sites for Weak Organic Acids on Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2015, 49, 1409-1417.	4.6	58
81	Pulmonary Surfactant Suppressed Phenanthrene Adsorption on Carbon Nanotubes through Solubilization and Competition As Examined by Passive Dosing Technique. <i>Environmental Science & Technology</i> , 2012, 46, 5369-5377.	4.6	56
82	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> , 2018, 176, 463-473.	4.6	56
83	Key knowledge gaps for One Health approach to mitigate nanoplastic risks. , 2022, 1, 11-22.		56
84	Characterization and Phenanthrene Sorption of Natural and Pyrogenic Organic Matter Fractions. <i>Environmental Science & Technology</i> , 2017, 51, 2635-2642.	4.6	54
85	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> , 2019, 139, 346-354.	2.3	54
86	Effects of biochar on carbon mineralization of coastal wetland soils in the Yellow River Delta, China. <i>Ecological Engineering</i> , 2016, 94, 329-336.	1.6	53
87	The role of biochars in sustainable crop production and soil resiliency. <i>Journal of Experimental Botany</i> , 2020, 71, 520-542.	2.4	53
88	Effects of adding biochar on the properties and nitrogen bioavailability of an acidic soil. <i>European Journal of Soil Science</i> , 2017, 68, 559-572.	1.8	51
89	Impact of hydrochar on rice paddy CH ₄ and N ₂ O emissions: A comparative study with pyrochar. <i>Chemosphere</i> , 2018, 204, 474-482.	4.2	50
90	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> , 2017, 41, 265-283.	1.7	49

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91	Polystyrene microplastics impaired the feeding and swimming behavior of mysid shrimp <i>Neomysis japonica</i> . <i>Marine Pollution Bulletin</i> , 2020, 150, 110660.	2.3	49
92	Variation in sorption of propiconazole with biochars: The effect of temperature, mineral, molecular structure, and nano-porosity. <i>Chemosphere</i> , 2016, 142, 56-63.	4.2	48
93	Phenanthrene binding by humic acid-protein complexes as studied by passive dosing technique. <i>Environmental Pollution</i> , 2014, 184, 145-153.	3.7	45
94	Physicochemical and sorption properties of thermally-treated sediments with high organic matter content. <i>Bioresource Technology</i> , 2012, 103, 367-373.	4.8	44
95	New Insight into Adsorption Mechanism of Ionizable Compounds on Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2013, 47, 130710121153005.	4.6	44
96	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> , 2018, 247, 273-281.	4.8	44
97	Effect of co-application of wood vinegar and biochar on seed germination and seedling growth. <i>Journal of Soils and Sediments</i> , 2019, 19, 3934-3944.	1.5	44
98	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> , 2017, 593-594, 124-133.	3.9	43
99	Distribution of different surface modified carbon dots in pumpkin seedlings. <i>Scientific Reports</i> , 2018, 8, 7991.	1.6	43
100	Biochar decreased enantioselective uptake of chiral pesticide metalaxyl by lettuce and shifted bacterial community in agricultural soil. <i>Journal of Hazardous Materials</i> , 2021, 417, 126047.	6.5	43
101	Cosorption of organic chemicals with different properties: Their shared and different sorption sites. <i>Environmental Pollution</i> , 2012, 160, 178-184.	3.7	41
102	Interaction of CuO nanoparticles with duckweed (<i>Lemna minor</i> . L): Uptake, distribution and ROS production sites. <i>Environmental Pollution</i> , 2018, 243, 543-552.	3.7	41
103	Biochar reduced Chinese chive (<i>Allium tuberosum</i>) uptake and dissipation of thiamethoxam in an agricultural soil. <i>Journal of Hazardous Materials</i> , 2020, 390, 121749.	6.5	41
104	Secondary PVC microplastics are more toxic than primary PVC microplastics to <i>Oryzias melastigma</i> embryos. <i>Journal of Hazardous Materials</i> , 2022, 424, 127421.	6.5	40
105	Competitive and Complementary Adsorption of Bisphenol A and 17 β -Ethinyl Estradiol on Carbon Nanomaterials. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8338-8343.	2.4	39
106	Water clusters contributed to molecular interactions of ionizable organic pollutants with aromatized biochar via π -PAHB: Sorption experiments and DFT calculations. <i>Environmental Pollution</i> , 2018, 240, 342-352.	3.7	38
107	Characteristics of algae-derived biochars and their sorption and remediation performance for sulfamethoxazole in marine environment. <i>Chemical Engineering Journal</i> , 2022, 430, 133092.	6.6	38
108	Individual and combined applications of biochar and pyroligneous acid mitigate dissemination of antibiotic resistance genes in agricultural soil. <i>Science of the Total Environment</i> , 2021, 796, 148962.	3.9	37

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109	Removal of ciprofloxacin from aqueous solutions by ionic surfactant-modified carbon nanotubes. <i>Environmental Pollution</i> , 2018, 243, 206-217.	3.7	36
110	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> , 2021, 416, 126126.	6.5	36
111	N ₂ O and CH ₄ emissions from N-fertilized rice paddy soil can be mitigated by wood vinegar application at an appropriate rate. <i>Atmospheric Environment</i> , 2018, 185, 153-158.	1.9	35
112	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> , 2020, 738, 139685.	3.9	35
113	Sorption of copper by chemically modified aspen wood fibers. <i>Chemosphere</i> , 2009, 76, 1056-1061.	4.2	33
114	Insight into the significant contribution of intrinsic defects of carbon-based materials for the efficient removal of tetracycline antibiotics. <i>Chemical Engineering Journal</i> , 2022, 435, 134822.	6.6	33
115	Comparison of efficacies of peanut shell biochar and biochar-based compost on two leafy vegetable productivity in an infertile land. <i>Chemosphere</i> , 2019, 224, 151-161.	4.2	30
116	Enhancement of water solubility and mobility of phenanthrene by natural soil nanoparticles. <i>Environmental Pollution</i> , 2013, 176, 228-233.	3.7	29
117	Pyroigneous acid mitigated dissemination of antibiotic resistance genes in soil. <i>Environment International</i> , 2020, 145, 106158.	4.8	29
118	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> , 2018, 634, 595-605.	3.9	28
119	Potential toxicity of nanoplastics to fish and aquatic invertebrates: Current understanding, mechanistic interpretation, and meta-analysis. <i>Journal of Hazardous Materials</i> , 2022, 427, 127870.	6.5	28
120	Dispersant selection for nanomaterials: Insight into dispersing functionalized carbon nanotubes by small polar aromatic organic molecules. <i>Carbon</i> , 2015, 91, 494-505.	5.4	26
121	Comparison of six digestion methods on fluorescent intensity and morphology of the fluorescent polystyrene beads. <i>Marine Pollution Bulletin</i> , 2018, 131, 515-524.	2.3	26
122	Wood vinegar and biochar co-application mitigates nitrous oxide and methane emissions from rice paddy soil: A two-year experiment. <i>Environmental Pollution</i> , 2020, 267, 115403.	3.7	26
123	Processes and mechanisms of photosynthesis augmented by engineered nanomaterials. <i>Environmental Chemistry</i> , 2019, 16, 430.	0.7	26
124	Mechanistic understanding of highly selective adsorption of bisphenols on microporous-dominated nitrogen-doped framework carbon. <i>Science of the Total Environment</i> , 2021, 762, 143115.	3.9	25
125	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> , 2021, 8, 2030-2048.	2.2	25
126	Sawdust biochar application to rice paddy field: reduced nitrogen loss in floodwater accompanied with increased NH ₃ volatilization. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8388-8395.	2.7	24

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127	Inhibitory mechanism of phthalate esters on <i>Karenia brevis</i> . <i>Chemosphere</i> , 2016, 155, 498-508.	4.2	23
128	Fate of four phthalate esters with presence of <i>Karenia brevis</i> : Uptake and biodegradation. <i>Aquatic Toxicology</i> , 2019, 206, 81-90.	1.9	23
129	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> , 2022, 833, 155183.	3.9	23
130	Interaction and combined toxicity of microplastics and per- and polyfluoroalkyl substances in aquatic environment. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	3.3	23
131	Comparison of different crop residue-based technologies for their energy production and air pollutant emission. <i>Science of the Total Environment</i> , 2020, 707, 136122.	3.9	21
132	The Fate of p-Nitrophenol in Goethite-Rich and Sulfide-Containing Dynamic Anoxic/Oxic Environments. <i>Environmental Science & Technology</i> , 2020, 54, 9427-9436.	4.6	21
133	Soil structures and immobilization of typical contaminants in soils in response to diverse microplastics. <i>Journal of Hazardous Materials</i> , 2022, 438, 129555.	6.5	20
134	Medium optimization for $\hat{\mu}$ -poly-L-lysine production by <i>Streptomyces diastatochromogenes</i> using response surface methodology. <i>Letters in Applied Microbiology</i> , 2018, 66, 124-131.	1.0	19
135	Direct Spectroscopic Evidence for Charge-Assisted Hydrogen-Bond Formation between Ionizable Organic Chemicals and Carbonaceous Materials. <i>Environmental Science & Technology</i> , 2022, 56, 9356-9366.	4.6	19
136	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> , 2019, 67, 13550-13557.	2.4	17
137	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> , 2021, 417, 128094.	6.6	16
138	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> , 2023, 53, 504-526.	6.6	16
139	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> , 2017, 67, 1153-1161.	8.2	15
140	Potential Toxic Compounds in Biochar. , 2019, , 349-384.		15
141	Biochar mitigates allelopathy through regulating allelochemical generation from plants and accumulation in soil. , 2022, 1, .		15
142	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> , 2014, 45, 1120-1132.	0.6	14
143	Sorption affinities of sulfamethoxazole and carbamazepine to two sorbents under co-sorption systems. <i>Environmental Pollution</i> , 2014, 194, 203-209.	3.7	14
144	Biochar for Water and Soil Remediation: Production, Characterization, and Application. , 2020, , 153-196.		13

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145	Novel Insights into the Impact of Nano-Biochar on Composition and Structural Transformation of Mineral/Nano-Biochar Heteroaggregates in the Presence of Root Exudates. <i>Environmental Science & Technology</i> , 2022, 56, 9816-9825.	4.6	13
146	Comparison of the ecotoxicological effects of biochar and activated carbon on a marine clam (<i>Meretrix meretrix</i>). <i>Journal of Cleaner Production</i> , 2018, 180, 252-262.	4.6	12
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