

Hao Zheng

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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.

82

papers

2,879

citations

27

h-index

52

g-index

89

ext. papers

3,832

ext. citations

7.1

avg, IF

5.6

L-index

#	Paper	IF	Citations
82	Impacts of adding biochar on nitrogen retention and bioavailability in agricultural soil. <i>Geoderma</i> , 2013 , 206, 32-39	6.7	276
81	Sorption of antibiotic sulfamethoxazole varies with biochars produced at different temperatures. <i>Environmental Pollution</i> , 2013 , 181, 60-7	9.3	262
80	Investigating the mechanisms of biochar's removal of lead from solution. <i>Bioresource Technology</i> , 2015 , 177, 308-17	11	255
79	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. <i>Bioresource Technology</i> , 2013 , 130, 463-71	11	240
78	Characterization and influence of biochars on nitrous oxide emission from agricultural soil. <i>Environmental Pollution</i> , 2013 , 174, 289-96	9.3	125
77	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	3.4	121
76	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	8.4	103
75	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	10.2	103
74	Formation and Physicochemical Characteristics of Nano Biochar: Insight into Chemical and Colloidal Stability. <i>Environmental Science & Technology</i> , 2018 , 52, 10369-10379	10.3	91
73	Reduced nitrification and abundance of ammonia-oxidizing bacteria in acidic soil amended with biochar. <i>Chemosphere</i> , 2015 , 138, 576-83	8.4	73
72	Photodegradation Elevated the Toxicity of Polystyrene Microplastics to Grouper () through Disrupting Hepatic Lipid Homeostasis. <i>Environmental Science & Technology</i> , 2020 , 54, 6202-6212	10.3	67
71	Combined effects of biochar properties and soil conditions on plant growth: A meta-analysis. <i>Science of the Total Environment</i> , 2020 , 713, 136635	10.2	61
70	In-Situ Ligand Formation-Driven Preparation of a Heterometallic Metal-Organic Framework for Highly Selective Separation of Light Hydrocarbons and Efficient Mercury Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23331-7	9.5	61
69	Comparative toxicity of the plasticizer dibutyl phthalate to two freshwater algae. <i>Aquatic Toxicology</i> , 2017 , 191, 122-130	5.1	60
68	Coadsorption, desorption hysteresis and sorption thermodynamics of sulfamethoxazole and carbamazepine on graphene oxide and graphite. <i>Carbon</i> , 2013 , 65, 243-251	10.4	57
67	Lithium Difluorophosphate-Based Dual-Salt Low Concentration Electrolytes for Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2001440	21.8	53
66	Biochar addition reduced net N mineralization of a coastal wetland soil in the Yellow River Delta, China. <i>Geoderma</i> , 2016 , 282, 120-128	6.7	47

65	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	10.2	38
64	TMED3 promotes hepatocellular carcinoma progression via IL-11/STAT3 signaling. <i>Scientific Reports</i> , 2016 , 6, 37070	4.9	37
63	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	10.2	35
62	MicroRNA-197-3p acts as a prognostic marker and inhibits cell invasion in hepatocellular carcinoma. <i>Oncology Letters</i> , 2019 , 17, 2317-2327	2.6	33
61	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	6.7	32
60	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	8.4	30
59	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	10.2	29
58	Epigenetically silenced long noncoding-SRHC promotes proliferation of hepatocellular carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2015 , 141, 1195-203	4.9	29
57	Effects of biochar on carbon mineralization of coastal wetland soils in the Yellow River Delta, China. <i>Ecological Engineering</i> , 2016 , 94, 329-336	3.9	29
56	CBX6 overexpression contributes to tumor progression and is predictive of a poor prognosis in hepatocellular carcinoma. <i>Oncotarget</i> , 2017 , 8, 18872-18884	3.3	28
55	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	11	27
54	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	12.8	26
53	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	10.2	26
52	Co-adsorption of perfluorooctane sulfonate and phosphate on boehmite: Influence of temperature, phosphate initial concentration and pH. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 137, 71-77	7	24
51	miR-365a-3p regulates ADAM10-JAK-STAT signaling to suppress the growth and metastasis of colorectal cancer cells. <i>Journal of Cancer</i> , 2020 , 11, 3634-3644	4.5	23
50	Four calcium(II) coordination polymers based on 2,5-dibromoterephthalic acid and different N-donor organic species: syntheses, structures, topologies, and luminescence properties. <i>CrystEngComm</i> , 2016 , 18, 8664-8671	3.3	22
49	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	3.4	19
48	Tropomodulin 3 modulates EGFR-PI3K-AKT signaling to drive hepatocellular carcinoma metastasis. <i>Molecular Carcinogenesis</i> , 2019 , 58, 1897-1907	5	19

47	Inhibitory mechanism of phthalate esters on <i>Karenia brevis</i> . <i>Chemosphere</i> , 2016 , 155, 498-508	8.4	18
46	Polystyrene microplastics impaired the feeding and swimming behavior of mysid shrimp <i>Neomysis japonica</i> . <i>Marine Pollution Bulletin</i> , 2020 , 150, 110660	6.7	18
45	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	8.4	18
44	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	10.2	17
43	Phase behavior of ovalbumin and carboxymethylcellulose composite system. <i>Carbohydrate Polymers</i> , 2014 , 109, 64-70	10.3	17
42	Flood Risk Assessment Based on Fuzzy Synthetic Evaluation Method in the Beijing-Tianjin-Hebei Metropolitan Area, China. <i>Sustainability</i> , 2020 , 12, 1451	3.6	14
41	miR-515-5p suppresses HCC migration and invasion via targeting IL6/JAK/STAT3 pathway. <i>Surgical Oncology</i> , 2020 , 34, 113-120	2.5	14
40	eIF5B increases ASAP1 expression to promote HCC proliferation and invasion. <i>Oncotarget</i> , 2016 , 7, 62327-62339	3.5	14
39	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	10.2	13
38	Downregulation of miR-196-5p Induced by Hypoxia Drives Tumorigenesis and Metastasis in Hepatocellular Carcinoma. <i>Hormones and Cancer</i> , 2019 , 10, 177-189	5	13
37	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	10.2	12
36	Pyroligneous acid mitigated dissemination of antibiotic resistance genes in soil. <i>Environment International</i> , 2020 , 145, 106158	12.9	12
35	Fate of four phthalate esters with presence of <i>Karenia brevis</i> : Uptake and biodegradation. <i>Aquatic Toxicology</i> , 2019 , 206, 81-90	5.1	12
34	Stable sodium metal anode enhanced by advanced electrolytes with SbF ₃ additive. <i>Rare Metals</i> , 2021 , 40, 433-439	5.5	12
33	Heparin and rosuvastatin calcium-loaded poly(L-lactide-co-caprolactone) nanofiber-covered stent-grafts for aneurysm treatment. <i>New Journal of Chemistry</i> , 2017 , 41, 9014-9023	3.6	11
32	Low CDX1 expression predicts a poor prognosis for hepatocellular carcinoma patients after hepatectomy. <i>Surgical Oncology</i> , 2016 , 25, 171-7	2.5	10
31	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	12.8	10
30	Biodegradable and re-usable sponge materials made from chitin for efficient removal of microplastics. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126599	12.8	10

29	Production and characterization of hydrochars and their application in soil improvement and environmental remediation. <i>Chemical Engineering Journal</i> , 2021 , 133142	14.7	8
28	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> , 2021 , 796, 148962	10.2	8
27	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	5.7	7
26	MA-mediated up-regulation of LncRNA LIFR-AS1 enhances the progression of pancreatic cancer via miRNA-150-5p/VEGFA/Akt signaling. <i>Cell Cycle</i> , 2021 , 20, 2507-2518	4.7	7
25	Influences of polyethylene glycol (PEG) on the performance of LiMn2O4 cathode material for lithium ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 5408-5414	2.1	5
24	Biochar for Water and Soil Remediation: Production, Characterization, and Application 2020 , 153-196		5
23	Sequential combination of photocatalysis and microalgae technology for promoting the degradation and detoxification of typical antibiotics.. <i>Water Research</i> , 2021 , 210, 117985	12.5	4
22	Constructed wetlands for rural domestic wastewater treatment: A coupling of tidal strategy, in-situ bio-regeneration of zeolite and Fe(II)-oxygen denitrification. <i>Bioresource Technology</i> , 2022 , 344, 126185 ¹¹		4
21	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	7.1	4
20	Water sources of riparian plants during a rainy season in Taihu Lake Basin, China: a stable isotope study. <i>Chemical Speciation and Bioavailability</i> , 2017 , 29, 153-160		3
19	Temporary Ischemia Time Before Snap Freezing Is Important for Maintaining High-Integrity RNA in Hepatocellular Carcinoma Tissues. <i>Biopreservation and Biobanking</i> , 2019 , 17, 425-432	2.1	3
18	TOP2 gene disruption reduces drug susceptibility by increasing intracellular ergosterol biosynthesis in <i>Candida albicans</i> . <i>Journal of Medical Microbiology</i> , 2010 , 59, 797-803	3.2	3
17	In situ prepared algae-supported iron sulfide to remove hexavalent chromium. <i>Environmental Pollution</i> , 2021 , 274, 115831	9.3	3
16	LncRNA LBX2-AS1 promotes colorectal cancer progression and 5-fluorouracil resistance. <i>Cancer Cell International</i> , 2021 , 21, 501	6.4	3
15	A SupraGel for efficient production of cell spheroids. <i>Science China Materials</i> ,1	7.1	2
14	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> , 2014 , 540, 239-242	0.3	1
13	Lamp2 inhibits epithelial-mesenchymal transition by suppressing Snail expression in HCC. <i>Oncotarget</i> , 2018 , 9, 30240-30252	3.3	1
12	Laparoscopic transcystic common bile duct exploration in patients with a nondilated common bile duct.. <i>Annals of Palliative Medicine</i> , 2021 , 10, 12845-12856	1.7	1

11	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> , 2021 , 11, 1246	3	1
10	Solvent-mediated preparation of a heterometallic [2 D] grid via a 1D metalorganic template with extraordinary acid/base-resistance. <i>RSC Advances</i> , 2017 , 7, 5578-5582	3.7	0
9	Modification of STIM2 by mA RNA methylation inhibits metastasis of cholangiocarcinoma.. <i>Annals of Translational Medicine</i> , 2022 , 10, 40	3.2	0
8	Circular RNA circ_0008934 promotes hepatocellular carcinoma growth and metastasis through modulating miR-1305/TMTC3 axis.. <i>Human Cell</i> , 2022 , 35, 498	4.5	0
7	Decreased Expression of Programmed Death Ligand-L1 by Seven in Absentia Homolog 2 in Cholangiocarcinoma Enhances T-Cell-Mediated Antitumor Activity.. <i>Frontiers in Immunology</i> , 2022 , 13, 845193	8.4	0
6	Removal of micro organic pollutants in high salinity wastewater by comproportionation system of Fe(VI)/Fe(III): Enhancement of chloride and bicarbonate.. <i>Water Research</i> , 2022 , 214, 118182	12.5	0
5	MicroRNA-506-3p targets SIRT1 and suppresses AMPK pathway activation to promote hepatic steatosis. <i>Experimental and Therapeutic Medicine</i> , 2021 , 22, 1430	2.1	0
4	Characteristics of algae-derived biochars and their sorption and remediation performance for sulfamethoxazole in marine environment. <i>Chemical Engineering Journal</i> , 2021 , 133092	14.7	0
3	Soft coral-derived Aspernolide A suppressed non-small cell lung cancer induced osteolytic bone invasion via the c-Fos/NFATC1 signaling pathway. <i>Journal of Thoracic Disease</i> , 2021 , 13, 5996-6011	2.6	0
2	MiR-499a-5p promotes 5-FU resistance and the cell proliferation and migration through activating PI3K/Akt signaling by targeting PTEN in pancreatic cancer.. <i>Annals of Translational Medicine</i> , 2021 , 9, 1798	3.2	0
1	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 , 155183	10.2	0