

Hao Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

4,970
citations

109137

35
h-index

95083

68
g-index

89
all docs

89
docs citations

89
times ranked

5007
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of adding biochar on nitrogen retention and bioavailability in agricultural soil. <i>Geoderma</i> , 2013, 206, 32-39.	2.3	365
2	Investigating the mechanisms of biochar's removal of lead from solution. <i>Bioresource Technology</i> , 2015, 177, 308-317.	4.8	337
3	Sorption of antibiotic sulfamethoxazole varies with biochars produced at different temperatures. <i>Environmental Pollution</i> , 2013, 181, 60-67.	3.7	334
4	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. <i>Bioresource Technology</i> , 2013, 130, 463-471.	4.8	301
5	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
6	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
7	Photodegradation Elevated the Toxicity of Polystyrene Microplastics to Grouper (<i>Epinephelus</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 2020, 54, 6202-6212.	4.6	187
8	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
9	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
10	Characterization and influence of biochars on nitrous oxide emission from agricultural soil. <i>Environmental Pollution</i> , 2013, 174, 289-296.	3.7	156
11	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
12	Lithium Difluorophosphate-Based Dual-Salt Low Concentration Electrolytes for Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001440.	10.2	121
13	Reduced nitrification and abundance of ammonia-oxidizing bacteria in acidic soil amended with biochar. <i>Chemosphere</i> , 2015, 138, 576-583.	4.2	107
14	Comparative toxicity of the plasticizer dibutyl phthalate to two freshwater algae. <i>Aquatic Toxicology</i> , 2017, 191, 122-130.	1.9	87
15	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
16	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, 23331-23337.	4.0	72
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	TMED3 promotes hepatocellular carcinoma progression via IL-11/STAT3 signaling. <i>Scientific Reports</i> , 2016, 6, 37070.	1.6	61
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	CBX6 overexpression contributes to tumor progression and is predictive of a poor prognosis in hepatocellular carcinoma. <i>Oncotarget</i> , 2017, 8, 18872-18884.	0.8	42
34	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
35	MicroRNA-197-3p acts as a prognostic marker and inhibits cell invasion in hepatocellular carcinoma. <i>Oncology Letters</i> , 2019, 17, 2317-2327.	0.8	38
36	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

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37	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.	3.9	37
38	miR-515-5p suppresses HCC migration and invasion via targeting IL6/JAK/STAT3 pathway. <i>Surgical Oncology</i> , 2020, 34, 113-120.	0.8	36
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.	3.9	35
40	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.	1.2	33
41	Epigenetically silenced long noncoding-RHC promotes proliferation of hepatocellular carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2015, 141, 1195-1203.	1.2	31
42	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.	2.9	31
43	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.	1.3	30
44	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
45	Pyrolytic acid mitigated dissemination of antibiotic resistance genes in soil. <i>Environment International</i> , 2020, 145, 106158.	4.8	29
46	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
47	Tropomodulin 3 modulates EGFR-PI3K-AKT signaling to drive hepatocellular carcinoma metastasis. <i>Molecular Carcinogenesis</i> , 2019, 58, 1897-1907.	1.3	27
48	Phase behavior of ovalbumin and carboxymethylcellulose composite system. <i>Carbohydrate Polymers</i> , 2014, 109, 64-70.	5.1	25
49	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
50	Stable sodium metal anode enhanced by advanced electrolytes with SbF3 additive. <i>Rare Metals</i> , 2021, 40, 433-439.	3.6	24
51	lF5B increases ASAP1 expression to promote HCC proliferation and invasion. <i>Oncotarget</i> , 2016, 7, 62327-62339.	0.8	24
52	Inhibitory mechanism of phthalate esters on <i>Karenia brevis</i> . <i>Chemosphere</i> , 2016, 155, 498-508.	4.2	23
53	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
54	Flood Risk Assessment Based on Fuzzy Synthetic Evaluation Method in the Beijing-Tianjin-Hebei Metropolitan Area, China. <i>Sustainability</i> , 2020, 12, 1451.	1.6	23

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55	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
56	M ⁶ A-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.	1.3	22
57	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.	5.3	22
58	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
59	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
60	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
61	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.	2.2	16
62	Heparin and rosuvastatin calcium-loaded poly(ϵ -lactide-co-caprolactone) nanofiber-covered stent-grafts for aneurysm treatment. <i>New Journal of Chemistry</i> , 2017, 41, 9014-9023.	1.4	15
63	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.	4.8	15
64	Modified Cellulose Nanocrystals Enhanced the Compatibility Between PLA and PBAT to Prepare a Multifunctional Composite Film. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3139-3149.	2.4	14
65	Biochar for Water and Soil Remediation: Production, Characterization, and Application. , 2020, , 153-196.		13
66	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, 1798-1798.	0.7	12
67	Low CDX1 expression predicts a poor prognosis for hepatocellular carcinoma patients after hepatectomy. <i>Surgical Oncology</i> , 2016, 25, 171-177.	0.8	10
68	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.	0.5	7
69	Biochar Enhanced Growth and Biological Nitrogen Fixation of Wild Soybean (<i>Glycine max</i> subsp. <i>soja</i>) Tj ETQq1 1 0,784314 rgBT /Ove	1.4	7
70	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.	1.1	6
71	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.	2.0	6
72	In situ prepared algae-supported iron sulfide to remove hexavalent chromium. <i>Environmental Pollution</i> , 2021, 274, 115831.	3.7	6

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73	Modification of STIM2 by m6A RNA methylation inhibits metastasis of cholangiocarcinoma. <i>Annals of Translational Medicine</i> , 2022, 10, 40-40.	0.7	6
74	Spatial Patterns of Microplastics in Surface Seawater, Sediment, and Sand Along Qingdao Coastal Environment. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	6
75	A SupraGel for efficient production of cell spheroids. <i>Science China Materials</i> , 2022, 65, 1655-1661.	3.5	4
76	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.	0.7	3
77	Lamp2 inhibits epithelial-mesenchymal transition by suppressing Snail expression in HCC. <i>Oncotarget</i> , 2018, 9, 30240-30252.	0.8	3
78	Circular RNA circ_0008934 promotes hepatocellular carcinoma growth and metastasis through modulating miR-1305/TMTC3 axis. <i>Human Cell</i> , 2022, 35, 498-510.	1.2	3
79	Laparoscopic transcystic common bile duct exploration in patients with a nondilated common bile duct. <i>Annals of Palliative Medicine</i> , 2021, 10, 12845-12856.	0.5	3
80	MicroRNA-506-3p targets SIRT1 and suppresses AMPK pathway activation to promote hepatic steatosis. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1430.	0.8	2
81	Analysis of Material Properties with Biochar Improve Indian Mustard (<i>Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42 239-242.	0.2	1
82	Solvent-mediated preparation of a heterometallic [2 Å– 2] grid via a 1D metalâ€“organic template with extraordinary acid/base-resistance. <i>RSC Advances</i> , 2017, 7, 5578-5582.	1.7	1
83	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.	0.6	1
84	[Corrigendum] MicroRNAâ€“506â€“3p targets SIRT1 and suppresses AMPK pathway activation to promote hepatic steatosis. <i>Experimental and Therapeutic Medicine</i> , 2022, 24, .	0.8	0