

Yujun Wang

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152
papers

6,254
citations

40
h-index

75
g-index

159
ext. papers

7,731
ext. citations

8.2
avg, IF

6.16
L-index

#	Paper	IF	Citations
152	Activation of persulfate by quinones: free radical reactions and implication for the degradation of PCBs. <i>Environmental Science & Technology</i> , 2013 , 47, 4605-11	10.3	494
151	Manipulation of persistent free radicals in biochar to activate persulfate for contaminant degradation. <i>Environmental Science & Technology</i> , 2015 , 49, 5645-53	10.3	479
150	Photocatalytic degradation of tetracycline in aqueous solution by nanosized TiO ₂ . <i>Chemosphere</i> , 2013 , 92, 925-32	8.4	404
149	Key role of persistent free radicals in hydrogen peroxide activation by biochar: implications to organic contaminant degradation. <i>Environmental Science & Technology</i> , 2014 , 48, 1902-10	10.3	397
148	Adsorption and cosorption of tetracycline and copper(II) on montmorillonite as affected by solution pH. <i>Environmental Science & Technology</i> , 2008 , 42, 3254-9	10.3	228
147	Mechanism of hydroxyl radical generation from biochar suspensions: Implications to diethyl phthalate degradation. <i>Bioresource Technology</i> , 2015 , 176, 210-7	11	210
146	Mechanistic understanding of polychlorinated biphenyls degradation by peroxymonosulfate activated with CuFe ₂ O ₄ nanoparticles: Key role of superoxide radicals. <i>Chemical Engineering Journal</i> , 2018 , 348, 526-534	14.7	168
145	Photogeneration of reactive oxygen species from biochar suspension for diethyl phthalate degradation. <i>Applied Catalysis B: Environmental</i> , 2017 , 214, 34-45	21.8	149
144	Efficient transformation of DDTs with Persulfate Activation by Zero-valent Iron Nanoparticles: A Mechanistic Study. <i>Journal of Hazardous Materials</i> , 2016 , 316, 232-41	12.8	133
143	Transformation of polychlorinated biphenyls by persulfate at ambient temperature. <i>Chemosphere</i> , 2013 , 90, 1573-80	8.4	118
142	Copper and Zn uptake by radish and pakchoi as affected by application of livestock and poultry manures. <i>Chemosphere</i> , 2005 , 59, 167-75	8.4	108
141	Effects of low-molecular-weight organic acids on Cu(II) adsorption onto hydroxyapatite nanoparticles. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1135-40	12.8	101
140	Adsorption and cosorption of Cu(II) and tetracycline on two soils with different characteristics. <i>Geoderma</i> , 2008 , 146, 224-230	6.7	98
139	A scientometric review of biochar research in the past 20 years (1998-2018). <i>Biochar</i> , 2019 , 1, 23-43	10	96
138	Toxicity of zinc oxide nanoparticles in the earthworm, <i>Eisenia fetida</i> and subcellular fractionation of Zn. <i>Environment International</i> , 2011 , 37, 1098-104	12.9	95
137	Heavy metals pollution in poultry and livestock feeds and manures under intensive farming in Jiangsu Province, China. <i>Journal of Environmental Sciences</i> , 2004 , 16, 371-4	6.4	90
136	Formation of crystalline Zn-Al layered double hydroxide precipitates on γ -Alumina: the role of mineral dissolution. <i>Environmental Science & Technology</i> , 2012 , 46, 11670-7	10.3	75

135	Zero-valent iron activated persulfate remediation of polycyclic aromatic hydrocarbon-contaminated soils: An in situ pilot-scale study. <i>Chemical Engineering Journal</i> , 2019 , 355, 65-75	14.7	74
134	Reductive Hexachloroethane Degradation by SO with Thermal Activation of Persulfate under Anaerobic Conditions. <i>Environmental Science & Technology</i> , 2018 , 52, 8548-8557	10.3	72
133	Kinetics, intermediates and acute toxicity of arsanilic acid photolysis. <i>Chemosphere</i> , 2014 , 107, 274-281	8.4	65
132	Enhanced PCBs sorption on biochars as affected by environmental factors: Humic acid and metal cations. <i>Environmental Pollution</i> , 2013 , 172, 86-93	9.3	65
131	Subacute toxicity of copper and glyphosate and their interaction to Earthworm (<i>Eisenia fetida</i>). <i>Environmental Pollution</i> , 2013 , 180, 71-7	9.3	63
130	Redox-Active Oxygen-Containing Functional Groups in Activated Carbon Facilitate Microbial Reduction of Ferrihydrite. <i>Environmental Science & Technology</i> , 2017 , 51, 9709-9717	10.3	62
129	New Insights into the Mechanism of the Catalytic Decomposition of Hydrogen Peroxide by Activated Carbon: Implications for Degradation of Diethyl Phthalate. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 19925-19933	3.9	62
128	Adsorption and cosorption of cadmium and glyphosate on two soils with different characteristics. <i>Chemosphere</i> , 2004 , 57, 1237-44	8.4	60
127	Effect of Organic Matter on Sorption of Zn on Soil: Elucidation by Wien Effect Measurements and EXAFS Spectroscopy. <i>Environmental Science & Technology</i> , 2016 , 50, 2931-7	10.3	58
126	Effect of iron oxide reductive dissolution on the transformation and immobilization of arsenic in soils: New insights from X-ray photoelectron and X-ray absorption spectroscopy. <i>Journal of Hazardous Materials</i> , 2014 , 279, 212-9	12.8	57
125	Mechanisms of Interaction between Persulfate and Soil Constituents: Activation, Free Radical Formation, Conversion, and Identification. <i>Environmental Science & Technology</i> , 2018 , 52, 14352-14361	10.3	57
124	Efficient transformation of DDT by peroxymonosulfate activated with cobalt in aqueous systems: Kinetics, products, and reactive species identification. <i>Chemosphere</i> , 2016 , 148, 68-76	8.4	54
123	Humic acid and metal ions accelerating the dechlorination of 4-chlorobiphenyl by nanoscale zero-valent iron. <i>Journal of Environmental Sciences</i> , 2011 , 23, 1286-92	6.4	54
122	Pilot-scale electrokinetic treatment of a Cu contaminated red soil. <i>Chemosphere</i> , 2006 , 63, 964-71	8.4	52
121	Screening of wheat straw biochars for the remediation of soils polluted with Zn (II) and Cd (II). <i>Journal of Hazardous Materials</i> , 2019 , 362, 311-317	12.8	51
120	Surface-modified nanoscale carbon black used as sorbents for Cu(II) and Cd(II). <i>Journal of Hazardous Materials</i> , 2010 , 174, 34-9	12.8	50
119	Solid/solution partitioning and speciation of heavy metals in the contaminated agricultural soils around a copper mine in eastern Nanjing city, China. <i>Journal of Hazardous Materials</i> , 2006 , 131, 19-27	12.8	49
118	Photo-induced oxidation of Sb(III) on goethite. <i>Chemosphere</i> , 2014 , 95, 295-300	8.4	48

117	The oxidation and sorption mechanism of Sb on γ -MnO ₂ . <i>Chemical Engineering Journal</i> , 2018 , 342, 429-437	4.7	47
116	Transport behavior of humic acid-modified nano-hydroxyapatite in saturated packed column: effects of Cu, ionic strength, and ionic composition. <i>Journal of Colloid and Interface Science</i> , 2011 , 360, 398-407	9.3	47
115	Ryegrass uptake of soil Cu/Zn induced by EDTA/EDDS together with a vertical direct-current electrical field. <i>Chemosphere</i> , 2007 , 67, 1671-6	8.4	46
114	Phosphate affects the adsorption of tetracycline on two soils with different characteristics. <i>Geoderma</i> , 2010 , 156, 237-242	6.7	44
113	Laboratory assessment of the mobility of water-dispersed engineered nanoparticles in a red soil (Ultisol). <i>Journal of Hydrology</i> , 2014 , 519, 1677-1687	6	42
112	A new insight into the immobilization mechanism of Zn on biochar: the role of anions dissolved from ash. <i>Scientific Reports</i> , 2016 , 6, 33630	4.9	40
111	Effect of iron plaque on antimony uptake by rice (<i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2015 , 204, 133-40	9.3	38
110	Effect of aqueous Fe(II) on Sb(V) sorption on soil and goethite. <i>Chemosphere</i> , 2016 , 147, 44-51	8.4	38
109	Cosorption of zinc and glyphosate on two soils with different characteristics. <i>Journal of Hazardous Materials</i> , 2006 , 137, 76-82	12.8	37
108	Antimony oxidation and sorption behavior on birnessites with different properties (γ -MnO ₂ and triclinic birnessite). <i>Environmental Pollution</i> , 2019 , 246, 990-998	9.3	37
107	Visualizing the emerging trends of biochar research and applications in 2019: a scientometric analysis and review. <i>Biochar</i> , 2020 , 2, 135-150	10	36
106	TiO ₂ photocatalytic degradation of tetracycline as affected by a series of environmental factors. <i>Journal of Soils and Sediments</i> , 2014 , 14, 1350-1358	3.4	36
105	Automatic pH control system enhances the dechlorination of 2,4,4'-trichlorobiphenyl and extracted PCBs from contaminated soil by nanoscale Fe ⁰ and Pd/Fe ⁰ . <i>Environmental Science and Pollution Research</i> , 2012 , 19, 448-57	5.1	35
104	Mechanistic understanding of reduced AgNP phytotoxicity induced by extracellular polymeric substances. <i>Journal of Hazardous Materials</i> , 2016 , 308, 21-8	12.8	34
103	Speciation and location of arsenic and antimony in rice samples around antimony mining area. <i>Environmental Pollution</i> , 2019 , 252, 1439-1447	9.3	32
102	Chemodiversity of Soil Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2020 , 54, 6174-6184	10.3	32
101	Effect of nanoparticle hydroxyapatite on the immobilization of Cu and Zn in polluted soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 73-80	5.1	31
100	Oxidation mechanism of As(III) in the presence of polyphenols: New insights into the reactive oxygen species. <i>Chemical Engineering Journal</i> , 2016 , 285, 69-76	14.7	31

99	Adsorption and desorption of Cu(II), Zn(II), Pb(II), and Cd(II) on the soils amended with nanoscale hydroxyapatite. <i>Environmental Progress and Sustainable Energy</i> , 2009 , 29, 233-241	2.5	31
98	TiO ₂ photocatalytic degradation of 4-chlorobiphenyl as affected by solvents and surfactants. <i>Journal of Soils and Sediments</i> , 2012 , 12, 376-385	3.4	30
97	Synergy between Iron and Selenide on FeSe(111) Surface Driving Peroxymonosulfate Activation for Efficient Degradation of Pollutants. <i>Environmental Science & Technology</i> , 2020 , 54, 15489-15498	10.3	30
96	Sorption isotherms and kinetics of Sb(V) on several Chinese soils with different physicochemical properties. <i>Journal of Soils and Sediments</i> , 2013 , 13, 344-353	3.4	29
95	Reducing the bioavailability of PCBs in soil to plant by biochars assessed with triolein-embedded cellulose acetate membrane technique. <i>Environmental Pollution</i> , 2013 , 174, 250-6	9.3	28
94	Inhibition mechanisms of Zn precipitation on aluminum oxide by glyphosate: a 31P NMR and Zn EXAFS study. <i>Environmental Science & Technology</i> , 2013 , 47, 4211-9	10.3	28
93	Effects of Soil Organic Matter on Sorption of Metal Ions on Soil Clay Particles. <i>Soil Science Society of America Journal</i> , 2015 , 79, 794-802	2.5	25
92	Soil geochemistry and digestive solubilization control mercury bioaccumulation in the earthworm <i>Pheretima guillemi</i> . <i>Journal of Hazardous Materials</i> , 2015 , 292, 44-51	12.8	25
91	The effects of Fe-bearing smectite clays on OH formation and diethyl phthalate degradation with polyphenols and HO. <i>Journal of Hazardous Materials</i> , 2018 , 357, 483-490	12.8	25
90	Predicting Cadmium Safety Thresholds in Soils Based on Cadmium Uptake by Chinese Cabbage. <i>Pedosphere</i> , 2017 , 27, 475-481	5	24
89	Interactive effects of rice straw biochar and FAO on immobilization of Zn. <i>Journal of Hazardous Materials</i> , 2019 , 373, 250-257	12.8	24
88	Zinc adsorption on goethite as affected by glyphosate. <i>Journal of Hazardous Materials</i> , 2008 , 151, 179-84	12.8	24
87	Evidence for the generation of reactive oxygen species from hydroquinone and benzoquinone: Roles in arsenite oxidation. <i>Chemosphere</i> , 2016 , 150, 71-78	8.4	23
86	Unraveling the effects of gallic acid on Sb(III) adsorption and oxidation on goethite. <i>Chemical Engineering Journal</i> , 2019 , 369, 414-421	14.7	22
85	Fate of As(III) and As(V) during Microbial Reduction of Arsenic-Bearing Ferrihydrite Facilitated by Activated Carbon. <i>ACS Earth and Space Chemistry</i> , 2018 , 2, 878-887	3.2	21
84	Does glyphosate impact on Cu uptake by, and toxicity to, the earthworm <i>Eisenia fetida</i> ?. <i>Ecotoxicology</i> , 2012 , 21, 2297-305	2.9	21
83	Interactions between nitrogen application and soil properties and their impacts on the transfer of cadmium from soil to wheat (<i>Triticum aestivum</i> L.) grain. <i>Geoderma</i> , 2020 , 357, 113923	6.7	21
82	Biochar decreased the bioavailability of Zn to rice and wheat grains: Insights from microscopic to macroscopic scales. <i>Science of the Total Environment</i> , 2018 , 621, 160-167	10.2	21

81	Cotransformation of Carbon Dots and Contaminant under Light in Aqueous Solutions: A Mechanistic Study. <i>Environmental Science & Technology</i> , 2019 , 53, 6235-6244	10.3	20
80	The regime and P availability of omitting P fertilizer application for rice in rice/wheat rotation in the Taihu Lake Region of southern China. <i>Journal of Soils and Sediments</i> , 2015 , 15, 844-853	3.4	20
79	Effects of Fe(II) on Cd(II) immobilization by Mn(III)-rich EMnO_2 . <i>Chemical Engineering Journal</i> , 2018 , 353, 167-175	14.7	20
78	Remediation of polychlorinated biphenyl-contaminated soil by soil washing and subsequent TiO_2 photocatalytic degradation. <i>Journal of Soils and Sediments</i> , 2012 , 12, 1371-1379	3.4	20
77	Assessing the Impact of Iron-based Nanoparticles on pH, Dissolved Organic Carbon, and Nutrient Availability in Soils. <i>Soil and Sediment Contamination</i> , 2012 , 21, 101-114	3.2	20
76	Efficient activation of peroxymonosulfate by copper sulfide for diethyl phthalate degradation: Performance, radical generation and mechanism. <i>Science of the Total Environment</i> , 2020 , 749, 142387	10.2	19
75	Mechanisms of Sb(III) oxidation mediated by low molecular weight phenolic acids. <i>Chemical Engineering Journal</i> , 2019 , 356, 190-198	14.7	18
74	Effects of soil properties, nitrogen application, plant phenology, and their interactions on plant uptake of cadmium in wheat. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121452	12.8	17
73	Rapid Hydrolysis of Penicillin Antibiotics Mediated by Adsorbed Zinc on Goethite Surfaces. <i>Environmental Science & Technology</i> , 2019 , 53, 10705-10713	10.3	16
72	Free cupric ions in contaminated agricultural soils around a copper mine in eastern Nanjing City, China. <i>Journal of Environmental Sciences</i> , 2006 , 18, 927-31	6.4	15
71	Formation of Cd precipitates on FeAlO : Implications for Cd sequestration in the environment. <i>Environment International</i> , 2019 , 126, 234-241	12.9	15
70	Effects of phosphate on the adsorption of glyphosate on three different types of Chinese soils. <i>Journal of Environmental Sciences</i> , 2005 , 17, 711-5	6.4	15
69	Distribution of free radicals and intermediates during the photodegradation of polychlorinated biphenyls strongly affected by cosolvents and TiO_2 catalyst. <i>Chemosphere</i> , 2016 , 144, 628-34	8.4	14
68	Reveal a hidden highly toxic substance in biochar to support its effective elimination strategy. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123055	12.8	14
67	Retention of silver nanoparticles and silver ion to natural soils: effects of soil physicochemical properties. <i>Journal of Soils and Sediments</i> , 2018 , 18, 2491-2499	3.4	14
66	Wien Effect Determination of Adsorption Energies between Heavy Metal Ions and Soil Particles. <i>Soil Science Society of America Journal</i> , 2008 , 72, 56-62	2.5	14
65	Contrasting impacts of pH on the abiotic transformation of hydrochar-derived dissolved organic matter mediated by EMnO_2 . <i>Geoderma</i> , 2020 , 378, 114627	6.7	14
64	Dissolution and Transformation of ZnO Nano- and Microparticles in Soil Mineral Suspensions. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 495-502	3.2	13

63	Cd(II) retention and remobilization on MnO and Mn(III)-rich MnO affected by Mn(II). <i>Environment International</i> , 2019 , 130, 104932	12.9	13
62	Inhibition effect of glyphosate on the acute and subacute toxicity of cadmium to earthworm <i>Eisenia fetida</i> . <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2351-7	3.8	13
61	Effect of o-phenylenediamine on Cu adsorption and desorption in red soil and its uptake by paddy rice (<i>Oryza sativa</i>). <i>Chemosphere</i> , 2003 , 51, 77-83	8.4	13
60	Adsorption Kinetics of Glyphosate and Copper(II) Alone and Together on Two Types of Soils. <i>Soil Science Society of America Journal</i> , 2009 , 73, 1995-2001	2.5	12
59	Efficient transformation of diethyl phthalate using calcium peroxide activated by pyrite. <i>Chemosphere</i> , 2020 , 253, 126662	8.4	12
58	Rapid DDTs degradation by thermally activated persulfate in soil under aerobic and anaerobic conditions: Reductive radicals vs. oxidative radicals. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123557	12.8	12
57	The formation of DH with Fe-bearing smectite clays and low-molecular-weight thiols: Implication of As(III) removal. <i>Water Research</i> , 2020 , 174, 115631	12.5	11
56	Wien Effect in Suspensions and Its Application in Soil Science. <i>Advances in Agronomy</i> , 2013 , 122, 127-178	7.7	11
55	Sorption mechanism of zinc on reed, lignin, and reed- and lignin-derived biochars: kinetics, equilibrium, and spectroscopic studies. <i>Journal of Soils and Sediments</i> , 2018 , 18, 2535-2543	3.4	9
54	Negative Wien Effect Measurements for Exploring Polarization Processes of Cations Interacting with Negatively Charged Soil Particles. <i>Soil Science Society of America Journal</i> , 2009 , 73, 569-578	2.5	9
53	Role of Reduced Sulfur in the Transformation of Cd(II) Immobilized by MnO. <i>Environmental Science & Technology</i> , 2020 , 54, 14955-14963	10.3	9
52	Persistent Free Radicals from Low-Molecular-Weight Organic Compounds Enhance Cross-Coupling Reactions and Toxicity of Anthracene on Amorphous Silica Surfaces under Light. <i>Environmental Science & Technology</i> , 2021 , 55, 3716-3726	10.3	9
51	Effects of soil properties and aging process on the acute toxicity of cadmium to earthworm <i>Eisenia fetida</i> . <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3708-3717	5.1	9
50	Effects of different water management strategies on the stability of cadmium and copper immobilization by biochar in rice-wheat rotation system. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110887	7	8
49	Exploring the effect of organic matter on the interactions between mineral particles and cations with Wien effect measurements. <i>Journal of Soils and Sediments</i> , 2013 , 13, 304-311	3.4	8
48	The growth and Cu and Zn uptake of pakchoi (<i>Brassica chinesis</i> L.) in an acidic soil as affected by chicken or pig manure. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007 , 42, 905-12	2.2	8
47	Microorganisms-carbonaceous materials immobilized complexes: Synthesis, adaptability and environmental applications. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125915	12.8	8
46	Macroscopic and microscopic investigation of adsorption and precipitation of Zn on Alumina in the absence and presence of As. <i>Chemosphere</i> , 2017 , 178, 309-316	8.4	7

45	Measuring the bioavailability of polychlorinated biphenyls to earthworms in soil enriched with biochar or activated carbon using triolein-embedded cellulose acetate membrane. <i>Journal of Soils and Sediments</i> , 2016 , 16, 527-536	3.4	7
44	Influence of bacterial extracellular polymeric substances on the sorption of Zn on γ -Alumina: A combination of FTIR and EXAFS studies. <i>Environmental Pollution</i> , 2017 , 220, 997-1004	9.3	7
43	Aromatic Arsenical Additives (AAAs) in the Soil Environment: Detection, Environmental Behaviors, Toxicities, and Remediation. <i>Advances in Agronomy</i> , 2016 , 1-41	7.7	7
42	Nano FeO embedded in montmorillonite with citric acid enhanced photocatalytic activity of nanoparticles towards diethyl phthalate. <i>Journal of Environmental Sciences</i> , 2021 , 101, 248-259	6.4	7
41	Transfer and toxicity of silver nanoparticles in the food chain. <i>Environmental Science: Nano</i> , 2021 , 8, 1519-1535	7.5	7
40	Modeling coupled kinetics of antimony adsorption/desorption and oxidation on manganese oxides. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1691-1696	4.3	7
39	Cadmium adsorption in montmorillonite as affected by glyphosate. <i>Journal of Environmental Sciences</i> , 2004 , 16, 881-4	6.4	7
38	Prediction of the uptake of Cd by rice (<i>Oryza sativa</i>) in paddy soils by a multi-surface model. <i>Science of the Total Environment</i> , 2020 , 724, 138289	10.2	6
37	Binding energies of monovalent anions with Fe/Al oxides based on ion activity and suspension Wien effect methods. <i>Journal of Soils and Sediments</i> , 2010 , 10, 863-869	3.4	6
36	Effects of low-molecular-weight organic acids on the acute lethality, accumulation, and enzyme activity of cadmium in <i>Eisenia fetida</i> in a simulated soil solution. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 1005-1011	3.8	5
35	Interactions of Heavy Metal Ions with Paddy Soils as Inferred from Wien Effect Measurements in Dilute Suspensions. <i>Pedosphere</i> , 2006 , 16, 718-725	5	5
34	Long-term dissolution and transformation of ZnO in soils: The roles of soil pH and ZnO particle size. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125604	12.8	5
33	Photochemical characterization of paddy water during rice cultivation: Formation of reactive intermediates for As(III) oxidation. <i>Water Research</i> , 2021 , 206, 117721	12.5	5
32	Exploring the Distribution of Zn ²⁺ in Inner and Outer Helmholtz Planes of the Electrical Double Layer of Soil based on Wien Effect. <i>Soil Science Society of America Journal</i> , 2019 , 83, 97-106	2.5	4
31	Influence of Soil Properties and Aging on Antimony Toxicity for Barley Root Elongation. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 104, 714-720	2.7	4
30	Organo-Modification Effects on Soil Particles-Inorganic Cations Interactions as Revealed by Wien Effect Measurements. <i>Soil Science Society of America Journal</i> , 2013 , 77, 442-449	2.5	4
29	(Fe ³⁺)-UVC-(aliphatic/phenolic carboxyl acids) systems for diethyl phthalate ester degradation: A density functional theory (DFT) and experimental study. <i>Applied Catalysis A: General</i> , 2018 , 567, 20-27	5.1	4
28	Visualizing the development trend and research frontiers of biochar in 2020: a scientometric perspective. <i>Biochar</i> , 2021 , 3, 419	10	4

27	In situ stabilization of the adsorbed Co and Ni in rice straw biochar based on LDH and its reutilization in the activation of peroxymonosulfate. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126215	12.8	4
26	Two transformation pathways of Acetaminophen with Fe saturated clay particles in dark or light. <i>Chemosphere</i> , 2021 , 278, 130399	8.4	4
25	Wien Effect Characterization of Interactions Between Ions and Charged Sites on Clay Surfaces of Variable-Charge Soils. <i>Pedosphere</i> , 2009 , 19, 545-553	5	3
24	Binding and adsorption energy of Cd in soils and its environmental implication for Cd bioavailability. <i>Soil Science Society of America Journal</i> , 2020 , 84, 472-482	2.5	3
23	Combining Path Analysis and X-Ray Absorption Spectroscopy to Unravel the Zn Sorption Mechanism on Soils. <i>Soil Science Society of America Journal</i> , 2018 , 82, 796-802	2.5	2
22	Wien effect determination of binding and adsorption energies between positively charged nano-particles and anions. <i>Journal of Soils and Sediments</i> , 2011 , 11, 783-788	3.4	2
21	Binding and Adsorption Energies of Heavy Metal Ions with Hapli-Udic Argosol and Ferri-Udic Argosol Particles. <i>Pedosphere</i> , 2007 , 17, 688-696	5	2
20	Extraction and Quantification of Nanoparticulate Mercury in Natural Soils.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
19	UV-Irradiation Facilitating Pb Release from Recycled PVC Microplastics. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 748-753	2.7	2
18	Evaluating the fraction of electrically associated cations on surfaces of soil particles by extrapolation of strong-field Wien effect measurements in dilute suspensions. <i>Journal of Soils and Sediments</i> , 2016 , 16, 1683-1689	3.4	2
17	Effects of Soil Properties on Cadmium Toxicity to <i>Folsomia candida</i> (Collembola). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019 , 103, 90-97	2.7	2
16	Time-dependent evolution of Zn(II) fractions in soils remediated by wheat straw biochar. <i>Science of the Total Environment</i> , 2020 , 717, 137021	10.2	1
15	Wien effect of Cd/Zn on soil clay fraction and their interaction. <i>Geochemical Transactions</i> , 2018 , 19, 5	3	1
14	Comparison between ion activity method and suspension Wien effect method in determining binding energy of divalent cations to soil particles. <i>Journal of Soils and Sediments</i> , 2015 , 15, 2276-2284	3.4	1
13	Cu and glyphosate toxicity to earthworm (<i>Eisenia fetida</i>). <i>Chinese Journal of Eco-Agriculture</i> , 2012 , 20, 1077-1082		1
12	Weathered Microplastics Induce Silver Nanoparticle Formation. <i>Environmental Science and Technology Letters</i> ,	11	1
11	Pyridinic- and Pyrrolic Nitrogen in Pyrogenic Carbon Improves Electron Shuttling during Microbial Fe(III) Reduction. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 900-909	3.2	1
10	Reactive oxygen species formation in thiols solution mediated by pyrogenic carbon under aerobic conditions. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125726	12.8	1

9	Facet-Dependent Photoinduced Transformation of Cadmium Sulfide (CdS) Nanoparticles. <i>Environmental Science & Technology</i> , 2021 , 55, 13132-13141	10.3	1
8	Unraveling the molecular mechanisms of Cd sorption onto MnO-loaded biochar produced from the Mn-hyperaccumulator <i>Phytolacca americana</i> . <i>Journal of Hazardous Materials</i> , 2022 , 423, 127157	12.8	1
7	Combining multisurface model and Gouy-Chapman-Stern model to predict cadmium uptake by cabbage (<i>Brassica Chinensis</i> L.) in soils. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126260	12.8	0
6	Oxidative dissolution of SbO mediated by surface Mn redox cycling in oxic aquatic systems.. <i>Water Research</i> , 2022 , 217, 118403	12.5	0
5	Oxytetracycline induced the redox of iron and promoted the oxidation of As(III).. <i>Science of the Total Environment</i> , 2022 , 154381	10.2	0
4	Sorption mechanism of cadmium on soils: A combination of batch experiment, path analysis, and EXAFS techniques. <i>Geoderma</i> , 2022 , 422, 115950	6.7	0
3	Wien Effect Measurements in Soil Colloidal Suspensions: A Novel Method for Characterizing the Interactions between Charged Particles and Counter Ions 2010 , 157-160		
2	The impact of alternate wetting and drying and continuous flooding on antimony speciation and uptake in a soil-rice system.. <i>Chemosphere</i> , 2022 , 297, 134147	8.4	
1	Greater Bioaccessibility of Silver Nanoparticles in Earthworm than in Soils.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022 , 1	2.7	