

# Yun-Guo Liu

## List of Publications by Year in descending order

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209  
papers

18,902  
citations

9786

73  
h-index

13379

130  
g-index

210  
all docs

210  
docs citations

210  
times ranked

16140  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe <sub>3</sub> N nanoparticles embedded in N-doped porous magnetic graphene for peroxymonosulfate activation: Radical and nonradical mechanism. <i>Chemosphere</i> , 2022, 305, 135317.	8.2	10
2	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021, 766, 142572.	8.0	189
3	Activation of persulfate by nanoscale zero-valent iron loaded porous graphitized biochar for the removal of 17 $\beta$ -estradiol: Synthesis, performance and mechanism. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 776-786.	9.4	45
4	Nanoscale zerovalent iron, carbon nanotubes and biochar facilitated the phytoremediation of cadmium contaminated sediments by changing cadmium fractions, sediments properties and bacterial community structure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111510.	6.0	45
5	Recent advances in applications of nonradical oxidation in water treatment: Mechanisms, catalysts and environmental effects. <i>Journal of Cleaner Production</i> , 2021, 321, 128781.	9.3	29
6	Adsorption of 17 $\beta$ -estradiol from aqueous solution by raw and direct/pre/post-KOH treated lotus seedpod biochar. <i>Journal of Environmental Sciences</i> , 2020, 87, 10-23.	6.1	69
7	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , 2020, 384, 121470.	12.4	121
8	Efficient Removal of Diclofenac from Aqueous Solution by Potassium Ferrate-Activated Porous Graphitic Biochar: Ambient Condition Influences and Adsorption Mechanism. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 291.	2.6	39
9	Hybrid silicate-hydrochar composite for highly efficient removal of heavy metal and antibiotics: Coadsorption and mechanism. <i>Chemical Engineering Journal</i> , 2020, 387, 124097.	12.7	91
10	Design and Preparation of Chitosan-Crosslinked Bismuth Ferrite/Biochar Coupled Magnetic Material for Methylene Blue Removal. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6.	2.6	46
11	Efficient Removal 17-Estradiol by Graphene-Like Magnetic Sawdust Biochar: Preparation Condition and Adsorption Mechanism. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8377.	2.6	16
12	Combination of Wastewater Treatment Measures and Landscape Ecological Design in Traditional Villages Based on Sustainability Theory: A Case Study of Miao Village in Xiangxi, China. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 526, 012023.	0.3	0
13	Catalytic degradation of sulfamethoxazole by persulfate activated with magnetic graphitized biochar: Multiple mechanisms and variables effects. <i>Chemical Engineering Research and Design</i> , 2020, 144, 143-157.	5.6	29
14	Magnetic gelatin-activated biochar synthesis from agricultural biomass for the removal of sodium diclofenac from aqueous solution: adsorption performance and external influence. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-26.	3.3	2
15	Optimization of Cadmium Adsorption by Magnetic Graphene Oxide Using a Fractional Factorial Design. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6648.	2.6	8
16	Activation of persulfate by graphitized biochar for sulfamethoxazole removal: The roles of graphitic carbon structure and carbonyl group. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 419-430.	9.4	94
17	Design and Synthesis of a Biochar-Supported Nano Manganese Dioxide Composite for Antibiotics Removal From Aqueous Solution. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	21
18	Removal of Sulfamethoxazole in Aqueous Solutions by Iron-Based Advanced Oxidation Processes: Performances and Mechanisms. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	11

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19	Rice waste biochars produced at different pyrolysis temperatures for arsenic and cadmium abatement and detoxification in sediment. <i>Chemosphere</i> , 2020, 250, 126268.	8.2	56
20	Effects of heteroaggregation with metal oxides and clays on tetracycline adsorption by graphene oxide. <i>Science of the Total Environment</i> , 2020, 719, 137283.	8.0	30
21	Synthesis a graphene-like magnetic biochar by potassium ferrate for 17 $\beta$ -estradiol removal: Effects of Al <sub>2</sub> O <sub>3</sub> nanoparticles and microplastics. <i>Science of the Total Environment</i> , 2020, 715, 136723.	8.0	46
22	Biomass-derived porous graphitic carbon materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5773-5811.	10.3	234
23	Synthesis of Porous Biochar Containing Graphitic Carbon Derived From Lignin Content of Forestry Biomass and Its Application for the Removal of Diclofenac Sodium From Aqueous Solution. <i>Frontiers in Chemistry</i> , 2020, 8, 274.	3.6	15
24	Different adsorption behaviors and mechanisms of a novel amino-functionalized hydrothermal biochar for hexavalent chromium and pentavalent antimony. <i>Bioresource Technology</i> , 2020, 310, 123438.	9.6	70
25	Removal of 17 $\beta$ -estradiol from aqueous solution by graphene oxide supported activated magnetic biochar: Adsorption behavior and mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 330-339.	5.3	42
26	Sulfamic acid modified hydrochar derived from sawdust for removal of benzotriazole and Cu(II) from aqueous solution: Adsorption behavior and mechanism. <i>Bioresource Technology</i> , 2019, 290, 121765.	9.6	42
27	Functionalized Biochar/Clay Composites for Reducing the Bioavailable Fraction of Arsenic and Cadmium in River Sediment. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2337-2347.	4.3	48
28	Microwave-assisted chemical modification method for surface regulation of biochar and its application for estrogen removal. <i>Chemical Engineering Research and Design</i> , 2019, 128, 329-341.	5.6	42
29	Catalytic degradation of estrogen by persulfate activated with iron-doped graphitic biochar: Process variables effects and matrix effects. <i>Chemical Engineering Journal</i> , 2019, 378, 122141.	12.7	158
30	Synergy of Photocatalysis and Adsorption for Simultaneous Removal of Hexavalent Chromium and Methylene Blue by g-C <sub>3</sub> N <sub>4</sub> /BiFeO <sub>3</sub> /Carbon Nanotubes Ternary Composites. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3219.	2.6	22
31	Roles of multiwall carbon nanotubes in phytoremediation: cadmium uptake and oxidative burst in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science: Nano</i> , 2019, 6, 851-862.	4.3	34
32	Adsorption studies of 17 $\beta$ -estradiol from aqueous solution using a novel stabilized Fe-Mn binary oxide nanocomposite. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7614-7626.	5.3	14
33	Removal of 17 $\beta$ -Estradiol from water by adsorption onto montmorillonite-carbon hybrids derived from pyrolysis carbonization of carboxymethyl cellulose. <i>Journal of Environmental Management</i> , 2019, 236, 25-33.	7.8	25
34	Acute Toxicity of Divalent Mercury Ion to <i>Anguilla japonica</i> from Seawater and Freshwater Aquaculture and Its Effects on Tissue Structure. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1965.	2.6	10
35	Enhancement of Detoxification of Petroleum Hydrocarbons and Heavy Metals in Oil-Contaminated Soil by Using Glycine- $\beta$ -Cyclodextrin. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1155.	2.6	18
36	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. <i>Chemosphere</i> , 2019, 226, 360-380.	8.2	254

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37	Facile synthesis of MnO <sub>x</sub> -loaded biochar for the removal of doxycycline hydrochloride: effects of ambient conditions and co-existing heavy metals. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2187-2197.	3.2	41
38	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. <i>Chemical Engineering Journal</i> , 2019, 371, 380-403.	12.7	191
39	Biochar facilitated the phytoremediation of cadmium contaminated sediments: Metal behavior, plant toxicity, and microbial activity. <i>Science of the Total Environment</i> , 2019, 666, 1126-1133.	8.0	122
40	Adsorption mechanism of polyethyleneimine modified magnetic core-shell Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles for anionic dye removal. <i>RSC Advances</i> , 2019, 9, 32462-32471.	3.6	34
41	N- and O-Doped Carbon Dots for Rapid and High-Throughput Dual Detection of Trace Amounts of Iron in Water and Organic Phases. <i>Journal of Fluorescence</i> , 2019, 29, 137-144.	2.5	7
42	Insights into the effect of chemical treatment on the physicochemical characteristics and adsorption behavior of pig manure-derived biochars. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1962-1972.	5.3	7
43	Adsorption of 17 $\beta$ -estradiol by a novel attapulgite/biochar nanocomposite : Characteristics and influencing factors. <i>Chemical Engineering Research and Design</i> , 2019, 121, 155-164.	5.6	54
44	Appraising the effect of in-situ remediation of heavy metal contaminated sediment by biochar and activated carbon on Cu immobilization and microbial community. <i>Ecological Engineering</i> , 2019, 127, 519-526.	3.6	37
45	Performance of magnetic graphene oxide/diethylenetriaminepentaacetic acid nanocomposite for the tetracycline and ciprofloxacin adsorption in single and binary systems. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 150-159.	9.4	127
46	Nanoscale zero-valent iron assisted phytoremediation of Pb in sediment: Impacts on metal accumulation and antioxidative system of <i>Lolium perenne</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 153, 229-237.	6.0	118
47	Investigating the adsorption behavior and the relative distribution of Cd <sup>2+</sup> sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , 2018, 261, 265-271.	9.6	278
48	Decontamination of Cr(VI) by graphene oxide@TiO <sub>2</sub> in an aerobic atmosphere: effects of pH, ferric ions, inorganic anions, and formate. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2226-2233.	3.2	30
49	Hydrothermal synthesis of montmorillonite/hydrochar nanocomposites and application for 17 $\beta$ -estradiol and 17 $\alpha$ -ethynylestradiol removal. <i>RSC Advances</i> , 2018, 8, 4273-4283.	3.6	33
50	Removal of copper ions by few-layered graphene oxide nanosheets from aqueous solutions: external influences and adsorption mechanisms. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2447-2455.	3.2	24
51	Adsorption of estrogen contaminants (17 $\beta$ -estradiol and 17 $\alpha$ -ethynylestradiol) by graphene nanosheets from water: Effects of graphene characteristics and solution chemistry. <i>Chemical Engineering Journal</i> , 2018, 339, 296-302.	12.7	42
52	Allelopathic effect of the rice straw aqueous extract on the growth of <i>Microcystis aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 953-959.	6.0	58
53	Pyrolysis and reutilization of plant residues after phytoremediation of heavy metals contaminated sediments: For heavy metals stabilization and dye adsorption. <i>Bioresource Technology</i> , 2018, 253, 64-71.	9.6	214
54	The bioenergetics mechanisms and applications of sulfate-reducing bacteria in remediation of pollutants in drainage: A review. <i>Ecotoxicology and Environmental Safety</i> , 2018, 158, 162-170.	6.0	82

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55	Cover Image, Volume 93, Issue 4. Journal of Chemical Technology and Biotechnology, 2018, 93, i-i.	3.2	0
56	Adsorption of 17 $\beta$ -estradiol by graphene oxide: Effect of heteroaggregation with inorganic nanoparticles. Chemical Engineering Journal, 2018, 343, 371-378.	12.7	36
57	Nitrogen-containing amino compounds functionalized graphene oxide: Synthesis, characterization and application for the removal of pollutants from wastewater: A review. Journal of Hazardous Materials, 2018, 342, 177-191.	12.4	131
58	Comparative study of rice husk biochars for aqueous antibiotics removal. Journal of Chemical Technology and Biotechnology, 2018, 93, 1075-1084.	3.2	41
59	A case study of evaluating zeolite, CaCO <sub>3</sub> , and MnO <sub>2</sub> for Cd-contaminated sediment reuse in soil. Journal of Soils and Sediments, 2018, 18, 323-332.	3.0	14
60	Titanium dioxide-coated biochar composites as adsorptive and photocatalytic degradation materials for the removal of aqueous organic pollutants. Journal of Chemical Technology and Biotechnology, 2018, 93, 783-791.	3.2	73
61	Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. Critical Reviews in Biotechnology, 2018, 38, 455-468.	9.0	158
62	Influence of sodium dodecyl sulfate coating on adsorption of methylene blue by biochar from aqueous solution. Journal of Environmental Sciences, 2018, 70, 166-174.	6.1	42
63	Heavy metal leachability in soil amended with zeolite- or biochar-modified contaminated sediment. Environmental Monitoring and Assessment, 2018, 190, 751.	2.7	15
64	Simultaneous removal of hexavalent chromium and o-dichlorobenzene by isolated <i>Serratia marcescens</i> ZD-9. Biodegradation, 2018, 29, 605-616.	3.0	13
65	Fabrication of Stabilized Fe-Mn Binary Oxide Nanoparticles: Effective Adsorption of 17 $\beta$ -Estradiol and Influencing Factors. International Journal of Environmental Research and Public Health, 2018, 15, 2218.	2.6	12
66	Direct fabrication of highly porous graphene/TiO <sub>2</sub> composite nanofibers by electrospinning for photocatalytic application. Journal of Central South University, 2018, 25, 2182-2189.	3.0	6
67	Alginate-modified biochar derived from Ca(II)-impregnated biomass: Excellent anti-interference ability for Pb(II) removal. Ecotoxicology and Environmental Safety, 2018, 165, 211-218.	6.0	45
68	Activated magnetic biochar by one-step synthesis: Enhanced adsorption and coadsorption for 17 $\beta$ -estradiol and copper. Science of the Total Environment, 2018, 639, 1530-1542.	8.0	142
69	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. Frontiers in Chemistry, 2018, 6, 80.	3.6	143
70	The effect of several activated biochars on Cd immobilization and microbial community composition during in-situ remediation of heavy metal contaminated sediment. Chemosphere, 2018, 208, 655-664.	8.2	113
71	Immobilization of aqueous and sediment-sorbed ciprofloxacin by stabilized Fe-Mn binary oxide nanoparticles: Influencing factors and reaction mechanisms. Chemical Engineering Journal, 2017, 314, 612-621.	12.7	38
72	Effects of calcium at toxic concentrations of cadmium in plants. Planta, 2017, 245, 863-873.	3.2	169

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73	Enhancement of As( $\text{V}$ ) adsorption from aqueous solution by a magnetic chitosan/biochar composite. RSC Advances, 2017, 7, 10891-10900.	3.6	106
74	Adsorption of Estrogen Contaminants by Graphene Nanomaterials under Natural Organic Matter Preloading: Comparison to Carbon Nanotube, Biochar, and Activated Carbon. Environmental Science & Technology, 2017, 51, 6352-6359.	10.0	151
75	Property Variation of Magnetic Mesoporous Carbon Modified by Aminated Hollow Magnetic Nanospheres: Synthesis, Characterization, and Sorption. ACS Sustainable Chemistry and Engineering, 2017, 5, 179-188.	6.7	33
76	Adsorption of emerging contaminant metformin using graphene oxide. Chemosphere, 2017, 179, 20-28.	8.2	129
77	Facile synthesis of Cu(II) impregnated biochar with enhanced adsorption activity for the removal of doxycycline hydrochloride from water. Science of the Total Environment, 2017, 592, 546-553.	8.0	154
78	Cu(II)-influenced adsorption of ciprofloxacin from aqueous solutions by magnetic graphene oxide/nitrilotriacetic acid nanocomposite: Competition and enhancement mechanisms. Chemical Engineering Journal, 2017, 319, 219-228.	12.7	157
79	Biochar as potential sustainable precursors for activated carbon production: Multiple applications in environmental protection and energy storage. Bioresource Technology, 2017, 227, 359-372.	9.6	487
80	Sorption performance and mechanisms of arsenic(V) removal by magnetic gelatin-modified biochar. Chemical Engineering Journal, 2017, 314, 223-231.	12.7	278
81	Spatial distribution and transport characteristics of heavy metals around an antimony mine area in central China. Chemosphere, 2017, 170, 17-24.	8.2	127
82	Enhanced adsorption of hexavalent chromium by a biochar derived from ramie biomass (Boehmeria nivea) (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. Environmental Pollution Research, 2017, 24, 23528-23537.	5.3	30
83	Stabilized Nanoscale Zerovalent Iron Mediated Cadmium Accumulation and Oxidative Damage of <i>Boehmeria nivea</i> (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. Environmental Science & Technology, 2017, 51, 11308-11316.	10.0	248
84	Competitive adsorption of Pb(II), Cd(II) and Cu(II) onto chitosan-pyromellitic dianhydride modified biochar. Journal of Colloid and Interface Science, 2017, 506, 355-364.	9.4	342
85	Remediation of Pb-contaminated port sediment by biosurfactant from Bacillus sp. G1. Transactions of Nonferrous Metals Society of China, 2017, 27, 1385-1393.	4.2	1
86	Fabrication of hydrochar functionalized Fe-Mn binary oxide nanocomposites: characterization and 17 $\beta$ -estradiol removal. RSC Advances, 2017, 7, 37122-37129.	3.6	34
87	Potential Benefits of Biochar in Agricultural Soils: A Review. Pedosphere, 2017, 27, 645-661.	4.0	137
88	Enhanced biological stabilization of heavy metals in sediment using immobilized sulfate reducing bacteria beads with inner cohesive nutrient. Journal of Hazardous Materials, 2017, 324, 340-347.	12.4	56
89	Adsorption of Cu(II), Pb(II), and Cd(II) Ions from Acidic Aqueous Solutions by Diethylenetriaminepentaacetic Acid-Modified Magnetic Graphene Oxide. Journal of Chemical Engineering Data, 2017, 62, 407-416.	1.9	82
90	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -Chitosan/graphene oxide nanocomposite. Carbohydrate Polymers, 2017, 157, 576-585.	10.2	245



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91	Tetracycline absorbed onto nitrilotriacetic acid-functionalized magnetic graphene oxide: Influencing factors and uptake mechanism. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 269-279.	9.4	138
92	Fabrication of $\beta$ -cyclodextrin/poly (L-glutamic acid) supported magnetic graphene oxide and its adsorption behavior for $17\beta$ -estradiol. <i>Chemical Engineering Journal</i> , 2017, 308, 597-605.	12.7	187
93	Adsorption Removal of $17\beta$ -Estradiol from Water by Rice Straw-Derived Biochar with Special Attention to Pyrolysis Temperature and Background Chemistry. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1213.	2.6	40
94	Efficient Removal of Tetracycline from Aqueous Media with a Fe <sub>3</sub> O <sub>4</sub> Nanoparticles@graphene Oxide Nanosheets Assembly. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1495.	2.6	41
95	Ethylenediamine grafted to graphene oxide@Fe <sub>3</sub> O <sub>4</sub> for chromium(VI) decontamination: Performance, modelling, and fractional factorial design. <i>PLoS ONE</i> , 2017, 12, e0187166.	2.5	22
96	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. <i>Bioresource Technology</i> , 2016, 218, 351-359.	9.6	286
97	Removal of Pb(II) from aqueous solution by magnetic humic acid/chitosan composites. <i>Journal of Central South University</i> , 2016, 23, 2809-2817.	3.0	11
98	One-pot synthesis of carbon supported calcined-Mg/Al layered double hydroxides for antibiotic removal by slow pyrolysis of biomass waste. <i>Scientific Reports</i> , 2016, 6, 39691.	3.3	107
99	Maintaining eco-health of urban waterscapes with imbedded integrating ecological entity: Experimental approach. <i>Journal of Central South University</i> , 2016, 23, 2827-2837.	3.0	2
100	Biochar-based nano-composites for the decontamination of wastewater: A review. <i>Bioresource Technology</i> , 2016, 212, 318-333.	9.6	654
101	Biochar pyrolyzed from Mg/Al-layered double hydroxides pre-coated ramie biomass ( <i>Boehmeria nivea</i> ) Tj ETQq1 1 0.784314 rgBT /Overl Management, 2016, 184, 85-93.	7.8	98
102	A novel graphene oxide coated biochar composite: synthesis, characterization and application for Cr(VI) removal. <i>RSC Advances</i> , 2016, 6, 85202-85212.	3.6	57
103	Removal of metformin hydrochloride by <i>Alternanthera philoxeroides</i> biomass derived porous carbon materials treated with hydrogen peroxide. <i>RSC Advances</i> , 2016, 6, 79275-79284.	3.6	30
104	Enhanced adsorption of methylene blue by citric acid modification of biochar derived from water hyacinth ( <i>Eichornia crassipes</i> ). <i>Environmental Science and Pollution Research</i> , 2016, 23, 23606-23618.	5.3	89
105	Statistical Analysis of Main and Interaction Effects on Cu(II) and Cr(VI) Decontamination by Nitrogen-Doped Magnetic Graphene Oxide. <i>Scientific Reports</i> , 2016, 6, 34378.	3.3	35
106	Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. <i>RSC Advances</i> , 2016, 6, 106201-106210.	3.6	49
107	Cadmium accumulation and tolerance of <i>Macleaya cordata</i> : a newly potential plant for sustainable phytoremediation in Cd-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10189-10199.	5.3	48
108	Biochar to improve soil fertility. A review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	5.3	633

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109	Effects of exogenous calcium and spermidine on cadmium stress moderation and metal accumulation in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8699-8708.	5.3	54
110	Growth inhibition and oxidative damage of <i>Microcystis aeruginosa</i> induced by crude extract of <i>Sagittaria trifolia</i> tubers. <i>Journal of Environmental Sciences</i> , 2016, 43, 40-47.	6.1	49
111	Production of biochars from Ca impregnated ramie biomass ( <i>Boehmeria nivea</i> (L.) Gaud.) and their phosphate removal potential. <i>RSC Advances</i> , 2016, 6, 5871-5880.	3.6	82
112	The use of microbial-earthworm ecofilters for wastewater treatment with special attention to influencing factors in performance: A review. <i>Bioresource Technology</i> , 2016, 200, 999-1007.	9.6	58
113	Decontamination of methylene blue from aqueous solution by magnetic chitosan lignosulfonate grafted with graphene oxide: effects of environmental conditions and surfactant. <i>RSC Advances</i> , 2016, 6, 19298-19307.	3.6	40
114	Competitive removal of Cd( $\text{II}$ ) and Pb( $\text{II}$ ) by biochars produced from water hyacinths: performance and mechanism. <i>RSC Advances</i> , 2016, 6, 5223-5232.	3.6	124
115	Effective removal of Cr( $\text{VI}$ ) using $\beta$ -cyclodextrin-chitosan modified biochars with adsorption/reduction bifunctional roles. <i>RSC Advances</i> , 2016, 6, 94-104.	3.6	221
116	Sensitive and selective detection of mercury ions based on papain and 2,6-pyridinedicarboxylic acid functionalized gold nanoparticles. <i>RSC Advances</i> , 2016, 6, 3259-3266.	3.6	33
117	Removal of $17\beta$ -estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. <i>Chemical Engineering Journal</i> , 2016, 284, 93-102.	12.7	258
118	Biochar amendment to lead-contaminated soil: Effects on fluorescein diacetate hydrolytic activity and phytotoxicity to rice. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1962-1968.	4.3	12
119	Cadmium accumulation and apoplastic and symplastic transport in <i>Boehmeria nivea</i> (L.) Gaudich on cadmium-contaminated soil with the addition of EDTA or NTA. <i>RSC Advances</i> , 2015, 5, 47584-47591.	3.6	35
120	Adsorption of hexavalent chromium by polyacrylonitrile (PAN)-based activated carbon fibers from aqueous solution. <i>RSC Advances</i> , 2015, 5, 25389-25397.	3.6	22
121	Mitigation mechanism of Cd-contaminated soils by different levels of exogenous low-molecular-weight organic acids and <i>Phytolacca americana</i> . <i>RSC Advances</i> , 2015, 5, 45502-45509.	3.6	16
122	Chitosan modification of magnetic biochar produced from <i>Eichhornia crassipes</i> for enhanced sorption of Cr( $\text{VI}$ ) from aqueous solution. <i>RSC Advances</i> , 2015, 5, 46955-46964.	3.6	182
123	Adsorption behavior of Cr( $\text{VI}$ ) from aqueous solution onto magnetic graphene oxide functionalized with 1,2-diaminocyclohexanetetraacetic acid. <i>RSC Advances</i> , 2015, 5, 45384-45392.	3.6	63
124	Synthesis of graphene oxide decorated with core@double-shell nanoparticles and application for Cr( $\text{VI}$ ) removal. <i>RSC Advances</i> , 2015, 5, 106339-106349.	3.6	29
125	Effects of selenium and silicon on enhancing antioxidative capacity in ramie ( <i>Boehmeria nivea</i> (L.) Tj ETQq1 1 0.784314 rgBT/Overlook	5.3	104
126	Efficiency and mechanisms of Cd removal from aqueous solution by biochar derived from water hyacinth ( <i>Eichhornia crassipes</i> ). <i>Journal of Environmental Management</i> , 2015, 153, 68-73.	7.8	258



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127	Effects of inorganic electrolyte anions on enrichment of Cu(II) ions with aminated Fe <sub>3</sub> O <sub>4</sub> /graphene oxide: Cu(II) speciation prediction and surface charge measurement. <i>Chemosphere</i> , 2015, 127, 35-41.	8.2	31
128	Effect of exogenous nitric oxide on antioxidative system and S-nitrosylation in leaves of <i>Boehmeria nivea</i> (L.) Gaud under cadmium stress. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3489-3497.	5.3	55
129	Application of biochar for the removal of pollutants from aqueous solutions. <i>Chemosphere</i> , 2015, 125, 70-85.	8.2	1,324
130	Tartaric acid modified <i>Pleurotus ostreatus</i> for enhanced removal of Cr(VI) ions from aqueous solution: characteristics and mechanisms. <i>RSC Advances</i> , 2015, 5, 24009-24015.	3.6	13
131	The effects of <i>P. aeruginosa</i> ATCC 9027 and NTA on phytoextraction of Cd by ramie ( <i>Boehmeria nivea</i> (L.) Gaudich). <i>Environmental Science and Pollution Research</i> , 2015, 22, 10784-10791.	3.6	14
132	Synthesis and adsorption application of amine shield-introduced-released porous chitosan hydrogel beads for removal of acid orange 7 from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 62778-62787.	3.6	12
133	Immobilization of Cd(II) in acid soil amended with different biochars with a long term of incubation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12597-12604.	5.3	67
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