

Yun-Guo Liu

List of Publications by Year in descending order

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209
papers

18,902
citations

9756

73
h-index

13338

130
g-index

210
all docs

210
docs citations

210
times ranked

16140
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of biochar for the removal of pollutants from aqueous solutions. <i>Chemosphere</i> , 2015, 125, 70-85.	4.2	1,324
2	Adsorption of chromium (VI) by ethylenediamine-modified cross-linked magnetic chitosan resin: Isotherms, kinetics and thermodynamics. <i>Journal of Hazardous Materials</i> , 2011, 185, 306-314.	6.5	730
3	Biochar-based nano-composites for the decontamination of wastewater: A review. <i>Bioresource Technology</i> , 2016, 212, 318-333.	4.8	654
4	Biochar to improve soil fertility. A review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	633
5	Biochar as potential sustainable precursors for activated carbon production: Multiple applications in environmental protection and energy storage. <i>Bioresource Technology</i> , 2017, 227, 359-372.	4.8	487
6	Biosorption of cadmium(II), zinc(II) and lead(II) by <i>Penicillium simplicissimum</i> : Isotherms, kinetics and thermodynamics. <i>Journal of Hazardous Materials</i> , 2008, 160, 655-661.	6.5	406
7	Competitive adsorption of Pb(II), Cd(II) and Cu(II) onto chitosan-pyromellitic dianhydride modified biochar. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 355-364.	5.0	342
8	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. <i>Bioresource Technology</i> , 2016, 218, 351-359.	4.8	286
9	Sorption performance and mechanisms of arsenic(V) removal by magnetic gelatin-modified biochar. <i>Chemical Engineering Journal</i> , 2017, 314, 223-231.	6.6	278
10	Investigating the adsorption behavior and the relative distribution of Cd ²⁺ sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , 2018, 261, 265-271.	4.8	278
11	Subcellular distribution and chemical forms of cadmium in <i>Bechmeria nivea</i> (L.) Gaud.. <i>Environmental and Experimental Botany</i> , 2008, 62, 389-395.	2.0	269
12	Efficiency and mechanisms of Cd removal from aqueous solution by biochar derived from water hyacinth (<i>Eichornia crassipes</i>). <i>Journal of Environmental Management</i> , 2015, 153, 68-73.	3.8	258
13	Removal of 17 β -estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. <i>Chemical Engineering Journal</i> , 2016, 284, 93-102.	6.6	258
14	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. <i>Chemosphere</i> , 2019, 226, 360-380.	4.2	254
15	Stabilized Nanoscale Zerovalent Iron Mediated Cadmium Accumulation and Oxidative Damage of <i>Boehmeria nivea</i> (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. <i>Environmental Science & Technology</i> , 2017, 51, 11308-11316.	4.6	248
16	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by Fe ₃ O ₄ @SiO ₂ -Chitosan/graphene oxide nanocomposite. <i>Carbohydrate Polymers</i> , 2017, 157, 576-585.	5.1	245
17	Biomass-derived porous graphitic carbon materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5773-5811.	5.2	234
18	Characterization of Cr(VI) removal from aqueous solutions by a surplus agricultural waste—Rice straw. <i>Journal of Hazardous Materials</i> , 2008, 150, 446-452.	6.5	223

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19	Effect of porous zinc-biochar nanocomposites on Cr(VI) adsorption from aqueous solution. <i>RSC Advances</i> , 2015, 5, 35107-35115.	1.7	223
20	Effective removal of Cr(VI) using β -cyclodextrin-chitosan modified biochars with adsorption/reduction bifunctional roles. <i>RSC Advances</i> , 2016, 6, 94-104.	1.7	221
21	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.	4.8	214
22	Application of molecularly imprinted polymers in wastewater treatment: a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 963-977.	2.7	208
23	Biosorption of copper(II) by immobilizing <i>Saccharomyces cerevisiae</i> on the surface of chitosan-coated magnetic nanoparticles from aqueous solution. <i>Journal of Hazardous Materials</i> , 2010, 177, 676-682.	6.5	205
24	Removal of Cu(II) ions from aqueous solution using sulfonated magnetic graphene oxide composite. <i>Separation and Purification Technology</i> , 2013, 108, 189-195.	3.9	204
25	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. <i>Chemical Engineering Journal</i> , 2019, 371, 380-403.	6.6	191
26	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021, 766, 142572.	3.9	189
27	Fabrication of β -cyclodextrin/poly (L-glutamic acid) supported magnetic graphene oxide and its adsorption behavior for ¹⁷ β-estradiol. <i>Chemical Engineering Journal</i> , 2017, 308, 597-605.	6.6	187
28	Chitosan modification of magnetic biochar produced from <i>Eichhornia crassipes</i> for enhanced sorption of Cr(VI) from aqueous solution. <i>RSC Advances</i> , 2015, 5, 46955-46964.	1.7	182
29	Effects of calcium at toxic concentrations of cadmium in plants. <i>Planta</i> , 2017, 245, 863-873.	1.6	169
30	Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 455-468.	5.1	158
31	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.	6.6	158
32	Cu(II)-influenced adsorption of ciprofloxacin from aqueous solutions by magnetic graphene oxide/nitilotriacetic acid nanocomposite: Competition and enhancement mechanisms. <i>Chemical Engineering Journal</i> , 2017, 319, 219-228.	6.6	157
33	Facile synthesis of Cu(II) impregnated biochar with enhanced adsorption activity for the removal of doxycycline hydrochloride from water. <i>Science of the Total Environment</i> , 2017, 592, 546-553.	3.9	154
34	Adsorption of Estrogen Contaminants by Graphene Nanomaterials under Natural Organic Matter Preloading: Comparison to Carbon Nanotube, Biochar, and Activated Carbon. <i>Environmental Science & Technology</i> , 2017, 51, 6352-6359.	4.6	151
35	Cr(VI) reduction by <i>Bacillus</i> sp. isolated from chromium landfill. <i>Process Biochemistry</i> , 2006, 41, 1981-1986.	1.8	147
36	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. <i>Frontiers in Chemistry</i> , 2018, 6, 80.	1.8	143

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37	Activated magnetic biochar by one-step synthesis: Enhanced adsorption and coadsorption for 17 β -estradiol and copper. <i>Science of the Total Environment</i> , 2018, 639, 1530-1542.	3.9	142
38	Fluorescence water sensor based on covalent immobilization of chalcone derivative. <i>Analytica Chimica Acta</i> , 2006, 577, 264-270.	2.6	141
39	Grafting of β -cyclodextrin to magnetic graphene oxide via ethylenediamine and application for Cr(VI) removal. <i>Carbohydrate Polymers</i> , 2014, 113, 166-173.	5.1	141
40	Tetracycline adsorbed onto nitrilotriacetic acid-functionalized magnetic graphene oxide: Influencing factors and uptake mechanism. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 269-279.	5.0	138
41	Bioleaching of heavy metals from mine tailings by indigenous sulfur-oxidizing bacteria: Effects of substrate concentration. <i>Bioresource Technology</i> , 2008, 99, 4124-4129.	4.8	137
42	Potential Benefits of Biochar in Agricultural Soils: A Review. <i>Pedosphere</i> , 2017, 27, 645-661.	2.1	137
43	Removal of lead(II) from aqueous solution with ethylenediamine-modified yeast biomass coated with magnetic chitosan microparticles: Kinetic and equilibrium modeling. <i>Chemical Engineering Journal</i> , 2013, 214, 189-197.	6.6	134
44	Nitrogen-containing amino compounds functionalized graphene oxide: Synthesis, characterization and application for the removal of pollutants from wastewater: A review. <i>Journal of Hazardous Materials</i> , 2018, 342, 177-191.	6.5	131
45	Adsorption of emerging contaminant metformin using graphene oxide. <i>Chemosphere</i> , 2017, 179, 20-28.	4.2	129
46	Spatial distribution, health risk assessment and statistical source identification of the trace elements in surface water from the Xiangjiang River, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9400-9412.	2.7	127
47	Spatial distribution and transport characteristics of heavy metals around an antimony mine area in central China. <i>Chemosphere</i> , 2017, 170, 17-24.	4.2	127
48	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.	5.0	127
49	Competitive removal of Cd and Pb by biochars produced from water hyacinths: performance and mechanism. <i>RSC Advances</i> , 2016, 6, 5223-5232.	1.7	124
50	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.	3.9	122
51	Cadmium-induced oxidative stress and response of the ascorbate-glutathione cycle in <i>Bechmeria nivea</i> (L.) Gaud. <i>Chemosphere</i> , 2007, 69, 99-107.	4.2	121
52	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , 2020, 384, 121470.	6.5	121
53	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.	2.9	118
54	Cadmium accumulation in <i>Vetiveria zizanioides</i> and its effects on growth, physiological and biochemical characters. <i>Bioresource Technology</i> , 2010, 101, 6297-6303.	4.8	114

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55	The effect of several activated biochars on Cd immobilization and microbial community composition during in-situ remediation of heavy metal contaminated sediment. <i>Chemosphere</i> , 2018, 208, 655-664.	4.2	113
56	Biosorption of uranium (VI) by immobilized <i>Aspergillus fumigatus</i> beads. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 504-508.	0.9	112
57	Kinetic and Equilibrium Studies of Cr(VI) Biosorption by Dead <i>Bacillus licheniformis</i> Biomass. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 43-48.	1.7	108
58	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.	1.6	107
59	Enhancement of As(V) adsorption from aqueous solution by a magnetic chitosan/biochar composite. <i>RSC Advances</i> , 2017, 7, 10891-10900.	1.7	106
60	Effects of selenium and silicon on enhancing antioxidative capacity in ramie (<i>Boehmeria nivea</i> (L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	104
61	Synthesis and ethanol sensing properties of indium-doped tin oxide nanowires. <i>Applied Physics Letters</i> , 2006, 88, 201907.	1.5	101
62	Biochar pyrolyzed from MgAl-layered double hydroxides pre-coated ramie biomass (<i>Boehmeria nivea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Management, 2016, 184, 85-93.	3.8	98
63	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.	5.0	94
64	Hybrid silicate-hydrochar composite for highly efficient removal of heavy metal and antibiotics: Coadsorption and mechanism. <i>Chemical Engineering Journal</i> , 2020, 387, 124097.	6.6	91
65	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.	2.7	89
66	Removal of cadmium and zinc ions from aqueous solution by living <i>Aspergillus niger</i> . <i>Transactions of Nonferrous Metals Society of China</i> , 2006, 16, 681-686.	1.7	87
67	Adsorption of copper by magnetic graphene oxide-supported β -cyclodextrin: Effects of pH, ionic strength, background electrolytes, and citric acid. <i>Chemical Engineering Research and Design</i> , 2015, 93, 675-683.	2.7	85
68	Mechanism of Cr(VI) reduction by <i>Aspergillus niger</i> : enzymatic characteristic, oxidative stress response, and reduction product. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6271-6279.	2.7	83
69	Simultaneous Cr(VI) reduction and phenol degradation in pure cultures of <i>Pseudomonas aeruginosa</i> CCTCC AB91095. <i>Bioresource Technology</i> , 2009, 100, 5079-5084.	4.8	82
70	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.	1.7	82
71	Adsorption of Cu(II), Pb(II), and Cd(II) Ions from Acidic Aqueous Solutions by Diethylenetriaminepentaacetic Acid-Modified Magnetic Graphene Oxide. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 407-416.	1.0	82
72	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.	2.9	82

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73	A novel fluorescence ratiometric pH sensor based on covalently immobilized piperazinyl-1,8-naphthalimide and benzothioxanthene. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 308-315.	4.0	79
74	Achieving fast oxygen response in individual $\text{In}_2\text{Ga}_2\text{O}_3$ nanowires by ultraviolet illumination. <i>Applied Physics Letters</i> , 2006, 89, 112114.	1.5	76
75	Effects of background electrolytes and ionic strength on enrichment of Cd(II) ions with magnetic graphene oxide-supported sulfanilic acid. <i>Journal of Colloid and Interface Science</i> , 2014, 435, 138-144.	5.0	76
76	Pedological characteristics of Mn mine tailings and metal accumulation by native plants. <i>Chemosphere</i> , 2008, 72, 1260-1266.	4.2	73
77	Titanium dioxide-coated biochar composites as adsorptive and photocatalytic degradation materials for the removal of aqueous organic pollutants. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 783-791.	1.6	73
78	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.	4.8	70
79	Adsorption of 17β -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.	3.2	69
80	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.	2.7	67
81	Effect of solids concentration on removal of heavy metals from mine tailings via bioleaching. <i>Journal of Hazardous Materials</i> , 2007, 141, 202-208.	6.5	64
82	Uptake and translocation of arsenite and arsenate by <i>Pteris vittata</i> L.: Effects of silicon, boron and mercury. <i>Environmental and Experimental Botany</i> , 2010, 68, 222-229.	2.0	63
83	Adsorption behavior of Cr(VI) from aqueous solution onto magnetic graphene oxide functionalized with 1,2-diaminocyclohexanetetraacetic acid. <i>RSC Advances</i> , 2015, 5, 45384-45392.	1.7	63
84	Photoreduction of Cr(VI) from acidic aqueous solution using TiO_2 -impregnated glutaraldehyde-crosslinked alginate beads and the effects of Fe(III) ions. <i>Chemical Engineering Journal</i> , 2013, 226, 131-138.	6.6	61
85	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.	4.8	58
86	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.	2.9	58
87	A novel graphene oxide coated biochar composite: synthesis, characterization and application for Cr(VI) removal. <i>RSC Advances</i> , 2016, 6, 85202-85212.	1.7	57
88	Mechanisms of Efficient Arsenite Uptake by Arsenic Hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Science & Technology</i> , 2011, 45, 9719-9725.	4.6	56
89	Enhanced biological stabilization of heavy metals in sediment using immobilized sulfate reducing bacteria beads with inner cohesive nutrient. <i>Journal of Hazardous Materials</i> , 2017, 324, 340-347.	6.5	56
90	Rice waste biochars produced at different pyrolysis temperatures for arsenic and cadmium abatement and detoxification in sediment. <i>Chemosphere</i> , 2020, 250, 126268.	4.2	56

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91	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.	2.7	55
92	Heavy Metal Accumulation in Plants on Mn Mine Tailings. <i>Pedosphere</i> , 2006, 16, 131-136.	2.1	54
93	Highly sensitive ethanol sensors based on {100}-bounded In ₂ O ₃ nanocrystals due to face contact. <i>Applied Physics Letters</i> , 2006, 89, 243514.	1.5	54
94	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.	2.7	54
95	Adsorption of 17 β -estradiol by a novel attapulgite/biochar nanocomposite : Characteristics and influencing factors. <i>Chemical Engineering Research and Design</i> , 2019, 121, 155-164.	2.7	54
96	Enhanced efficiency of cadmium removal by <i>Boehmeria nivea</i> (L.) Gaud. in the presence of exogenous citric and oxalic acids. <i>Journal of Environmental Sciences</i> , 2014, 26, 2508-2516.	3.2	53
97	Characterization of Cr(VI) resistance and reduction by <i>Pseudomonas aeruginosa</i> . <i>Transactions of Nonferrous Metals Society of China</i> , 2009, 19, 1336-1341.	1.7	52
98	Effects of Exogenous Spermidine on Antioxidant System Responses of <i>Typha latifolia</i> L. Under Cd ²⁺ Stress. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 428-434.	4.1	51
99	Biosorption of copper(II) from aqueous solution by <i>Bacillus subtilis</i> cells immobilized into chitosan beads. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1804-1814.	1.7	51
100	Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. <i>RSC Advances</i> , 2016, 6, 106201-106210.	1.7	49
101	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.	3.2	49
102	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.	2.7	48
103	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.	2.2	48
104	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.	1.2	46
105	Synthesis a graphene-like magnetic biochar by potassium ferrate for 17 β -estradiol removal: Effects of Al ₂ O ₃ nanoparticles and microplastics. <i>Science of the Total Environment</i> , 2020, 715, 136723.	3.9	46
106	Alginate-modified biochar derived from Ca(II)-impregnated biomass: Excellent anti-interference ability for Pb(II) removal. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 211-218.	2.9	45
107	Activation of persulfate by nanoscale zero-valent iron loaded porous graphitized biochar for the removal of 17 β -estradiol: Synthesis, performance and mechanism. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 776-786.	5.0	45
108	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.	2.9	45

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109	Fast adsorption of Cd ²⁺ and Pb ²⁺ by EGTA dianhydride (EGTAD) modified ramie fiber. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 152-158.	5.0	43
110	Effect of aniline on cadmium adsorption by sulfanilic acid-grafted magnetic graphene oxide sheets. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 213-220.	5.0	43
111	Adsorption of estrogen contaminants (17 β -estradiol and 17 α -ethynylestradiol) by graphene nanosheets from water: Effects of graphene characteristics and solution chemistry. <i>Chemical Engineering Journal</i> , 2018, 339, 296-302.	6.6	42
112	Influence of sodium dodecyl sulfate coating on adsorption of methylene blue by biochar from aqueous solution. <i>Journal of Environmental Sciences</i> , 2018, 70, 166-174.	3.2	42
113	Removal of 17 β -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.	2.7	42
114	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.	4.8	42
115	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.	2.7	42
116	Efficient Removal of Tetracycline from Aqueous Media with a Fe ₃ O ₄ Nanoparticles@graphene Oxide Nanosheets Assembly. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1495.	1.2	41
117	Comparative study of rice husk biochars for aqueous antibiotics removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1075-1084.	1.6	41
118	Facile synthesis of MnO ₂ -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.	1.6	41
119	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.	1.7	40
120	Adsorption Removal of 17 β -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.	1.2	40
121	An integrated treatment of domestic wastewater using sequencing batch biofilm reactor combined with vertical flow constructed wetland and its artificial neural network simulation study. <i>Ecological Engineering</i> , 2014, 64, 18-26.	1.6	39
122	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.	1.2	39
123	Immobilization of aqueous and sediment-sorbed ciprofloxacin by stabilized Fe-Mn binary oxide nanoparticles: Influencing factors and reaction mechanisms. <i>Chemical Engineering Journal</i> , 2017, 314, 612-621.	6.6	38
124	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.	1.6	37
125	A restoration-promoting integrated floating bed and its experimental performance in eutrophication remediation. <i>Journal of Environmental Sciences</i> , 2014, 26, 1090-1098.	3.2	36
126	Adsorption of 17 β -estradiol by graphene oxide: Effect of heteroaggregation with inorganic nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 343, 371-378.	6.6	36

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127	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.	1.7	35
128	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.	1.6	35
129	Fabrication of hydrochar functionalized Fe-Mn binary oxide nanocomposites: characterization and 17 β -estradiol removal. <i>RSC Advances</i> , 2017, 7, 37122-37129.	1.7	34
130	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.	2.2	34
131	Adsorption mechanism of polyethyleneimine modified magnetic core-shell Fe ₃ O ₄ @SiO ₂ nanoparticles for anionic dye removal. <i>RSC Advances</i> , 2019, 9, 32462-32471.	1.7	34
132	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.	1.7	33
133	Property Variation of Magnetic Mesoporous Carbon Modified by Aminated Hollow Magnetic Nanospheres: Synthesis, Characterization, and Sorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 179-188.	3.2	33
134	Hydrothermal synthesis of montmorillonite/hydrochar nanocomposites and application for 17 β -estradiol and 17 α -ethynylestradiol removal. <i>RSC Advances</i> , 2018, 8, 4273-4283.	1.7	33
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