

# Yun-Guo Liu

## List of Publications by Citations

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207  
papers

13,677  
citations

64  
h-index

111  
g-index

210  
ext. papers

16,099  
ext. citations

6.5  
avg, IF

6.6  
L-index

#	Paper	IF	Citations
207	Application of biochar for the removal of pollutants from aqueous solutions. <i>Chemosphere</i> , <b>2015</b> , 125, 70-85	8.4	989
206	Adsorption of chromium (VI) by ethylenediamine-modified cross-linked magnetic chitosan resin: isotherms, kinetics and thermodynamics. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 185, 306-14	12.8	638
205	Biochar-based nano-composites for the decontamination of wastewater: A review. <i>Bioresource Technology</i> , <b>2016</b> , 212, 318-333	11	479
204	Biochar to improve soil fertility. A review. <i>Agronomy for Sustainable Development</i> , <b>2016</b> , 36, 1	6.8	387
203	Biosorption of cadmium(II), zinc(II) and lead(II) by <i>Penicillium simplicissimum</i> : Isotherms, kinetics and thermodynamics. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 160, 655-61	12.8	369
202	Biochar as potential sustainable precursors for activated carbon production: Multiple applications in environmental protection and energy storage. <i>Bioresource Technology</i> , <b>2017</b> , 227, 359-372	11	347
201	Subcellular distribution and chemical forms of cadmium in <i>Beckmeria nivea</i> (L.) Gaud.. <i>Environmental and Experimental Botany</i> , <b>2008</b> , 62, 389-395	5.9	217
200	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. <i>Bioresource Technology</i> , <b>2016</b> , 218, 351-9	11	211
199	Sorption performance and mechanisms of arsenic(V) removal by magnetic gelatin-modified biochar. <i>Chemical Engineering Journal</i> , <b>2017</b> , 314, 223-231	14.7	208
198	Competitive adsorption of Pb(II), Cd(II) and Cu(II) onto chitosan-pyromellitic dianhydride modified biochar. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 506, 355-364	9.3	207
197	Removal of 17 $\beta$ -estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 93-102	14.7	201
196	Investigating the adsorption behavior and the relative distribution of Cd sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , <b>2018</b> , 261, 265-271	11	194
195	Characterization of Cr(VI) removal from aqueous solutions by a surplus agricultural waste--rice straw. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 150, 446-52	12.8	190
194	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 &amp; Technology</i> , <b>2017</b> , 51, 11308-11316	10.3	187
193	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> , <b>2010</b> , 177, 676-82	12.8	187
192	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> , <b>2015</b> , 153, 68-73	7.9	182
191	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by FeO@SiO-Chitosan/graphene oxide nanocomposite. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 576-585	10.3	177

190	Removal of Cu(II) ions from aqueous solution using sulfonated magnetic graphene oxide composite. <i>Separation and Purification Technology</i> , <b>2013</b> , 108, 189-195	8.3	176
189	Application of molecularly imprinted polymers in wastewater treatment: a review. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 963-77	5.1	175
188	Effective removal of Cr(VI) using $\beta$ -cyclodextrin $\beta$ -chitosan modified biochars with adsorption/reduction bifunctional roles. <i>RSC Advances</i> , <b>2016</b> , 6, 94-104	3.7	174
187	Effect of porous zinc $\beta$ -cyclodextrin $\beta$ -chitosan modified biochars on Cr(VI) adsorption from aqueous solution. <i>RSC Advances</i> , <b>2015</b> , 5, 35107-35115	3.7	164
186	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. <i>Chemosphere</i> , <b>2019</b> , 226, 360-380	8.4	161
185	Pyrolysis and reutilization of plant residues after phytoremediation of heavy metals contaminated sediments: For heavy metals stabilization and dye adsorption. <i>Bioresource Technology</i> , <b>2018</b> , 253, 64-71	11	149
184	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> , <b>2017</b> , 308, 597-605	14.7	144
183	Chitosan modification of magnetic biochar produced from <i>Eichhornia crassipes</i> for enhanced sorption of Cr(VI) from aqueous solution. <i>RSC Advances</i> , <b>2015</b> , 5, 46955-46964	3.7	130
182	Cr(VI) reduction by <i>Bacillus</i> sp. isolated from chromium landfill. <i>Process Biochemistry</i> , <b>2006</b> , 41, 1981-1986	6.8	128
181	Fluorescence water sensor based on covalent immobilization of chalcone derivative. <i>Analytica Chimica Acta</i> , <b>2006</b> , 577, 264-70	6.6	127
180	Cu(II)-influenced adsorption of ciprofloxacin from aqueous solutions by magnetic graphene oxide/nitritotriacetic acid nanocomposite: Competition and enhancement mechanisms. <i>Chemical Engineering Journal</i> , <b>2017</b> , 319, 219-228	14.7	122
179	Adsorption of Estrogen Contaminants by Graphene Nanomaterials under Natural Organic Matter Preloading: Comparison to Carbon Nanotube, Biochar, and Activated Carbon. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6352-6359	10.3	119
178	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 371, 380-403	14.7	113
177	Effects of calcium at toxic concentrations of cadmium in plants. <i>Planta</i> , <b>2017</b> , 245, 863-873	4.7	111
176	Bioleaching of heavy metals from mine tailings by indigenous sulfur-oxidizing bacteria: effects of substrate concentration. <i>Bioresource Technology</i> , <b>2008</b> , 99, 4124-9	11	111
175	Biomass-derived porous graphitic carbon materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5773-5811	13	110
174	Grafting of $\beta$ -cyclodextrin to magnetic graphene oxide via ethylenediamine and application for Cr(VI) removal. <i>Carbohydrate Polymers</i> , <b>2014</b> , 113, 166-73	10.3	110
173	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> , <b>2017</b> , 592, 546-553	10.2	108

172	Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. <i>Critical Reviews in Biotechnology</i> , <b>2018</b> , 38, 455-468	9.4	108
171	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> , <b>2013</b> , 214, 189-197	14.7	108
170	Tetracycline absorbed onto nitrilotriacetic acid-functionalized magnetic graphene oxide: Influencing factors and uptake mechanism. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 485, 269-279	9.3	106
169	Biosorption of uranium (VI) by immobilized <i>Aspergillus fumigatus</i> beads. <i>Journal of Environmental Radioactivity</i> , <b>2010</b> , 101, 504-8	2.4	100
168	Cadmium-induced oxidative stress and response of the ascorbate-glutathione cycle in <i>Bechmeria nivea</i> (L.) Gaud. <i>Chemosphere</i> , <b>2007</b> , 69, 99-107	8.4	100
167	Catalytic degradation of estrogen by persulfate activated with iron-doped graphitic biochar: Process variables effects and matrix effects. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122141	14.7	97
166	Synthesis and ethanol sensing properties of indium-doped tin oxide nanowires. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 201907	3.4	97
165	Competitive removal of Cd(II) and Pb(II) by biochars produced from water hyacinths: performance and mechanism. <i>RSC Advances</i> , <b>2016</b> , 6, 5223-5232	3.7	94
164	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> , <b>2018</b> , 342, 177-191	12.8	93
163	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 80	5	92
162	Potential Benefits of Biochar in Agricultural Soils: A Review. <i>Pedosphere</i> , <b>2017</b> , 27, 645-661	5	92
161	Activated magnetic biochar by one-step synthesis: Enhanced adsorption and coadsorption for 17 $\beta$ -estradiol and copper. <i>Science of the Total Environment</i> , <b>2018</b> , 639, 1530-1542	10.2	92
160	Cadmium accumulation in <i>vetiveria zizanioides</i> and its effects on growth, physiological and biochemical characters. <i>Bioresource Technology</i> , <b>2010</b> , 101, 6297-303	11	91
159	Kinetic and Equilibrium Studies of Cr(VI) Biosorption by Dead <i>Bacillus licheniformis</i> Biomass. <i>World Journal of Microbiology and Biotechnology</i> , <b>2007</b> , 23, 43-48	4.4	90
158	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> , <b>2018</b> , 521, 150-159	9.3	88
157	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> , <b>2015</b> , 22, 9400-12	5.1	87
156	Adsorption of emerging contaminant metformin using graphene oxide. <i>Chemosphere</i> , <b>2017</b> , 179, 20-28	8.4	85
155	Spatial distribution and transport characteristics of heavy metals around an antimony mine area in central China. <i>Chemosphere</i> , <b>2017</b> , 170, 17-24	8.4	84

154	Nanoscale zero-valent iron assisted phytoremediation of Pb in sediment: Impacts on metal accumulation and antioxidative system of Lolium perenne. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 153, 229-237	7	81
153	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> , <b>2018</b> , 208, 655-664	8.4	78
152	Adsorption of copper by magnetic graphene oxide-supported $\beta$ -cyclodextrin: Effects of pH, ionic strength, background electrolytes, and citric acid. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 93, 675-683	5.5	75
151	Simultaneous Cr(VI) reduction and phenol degradation in pure cultures of <i>Pseudomonas aeruginosa</i> CCTCC AB91095. <i>Bioresource Technology</i> , <b>2009</b> , 100, 5079-84	11	75
150	Enhancement of As(V) adsorption from aqueous solution by a magnetic chitosan/biochar composite. <i>RSC Advances</i> , <b>2017</b> , 7, 10891-10900	3.7	73
149	Effects of selenium and silicon on enhancing antioxidative capacity in ramie ( <i>Boehmeria nivea</i> (L.) Gaud.) under cadmium stress. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 9999-10008	5.1	73
148	Biochar facilitated the phytoremediation of cadmium contaminated sediments: Metal behavior, plant toxicity, and microbial activity. <i>Science of the Total Environment</i> , <b>2019</b> , 666, 1126-1133	10.2	72
147	Removal of cadmium and zinc ions from aqueous solution by living <i>Aspergillus niger</i> . <i>Transactions of Nonferrous Metals Society of China</i> , <b>2006</b> , 16, 681-686	3.3	70
146	A novel fluorescence ratiometric pH sensor based on covalently immobilized piperazinyl-1,8-naphthalimide and benzothioxanthene. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 114, 308-315	8.5	69
145	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> , <b>2016</b> , 6, 39691	4.9	66
144	Production of biochars from Ca impregnated ramie biomass ( <i>Boehmeria nivea</i> (L.) Gaud.) and their phosphate removal potential. <i>RSC Advances</i> , <b>2016</b> , 6, 5871-5880	3.7	65
143	Achieving fast oxygen response in individual $\beta$ -Ga <sub>2</sub> O <sub>3</sub> nanowires by ultraviolet illumination. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 112114	3.4	64
142	Biochar pyrolyzed from MgAl-layered double hydroxides pre-coated ramie biomass ( <i>Boehmeria nivea</i> (L.) Gaud.): Characterization and application for crystal violet removal. <i>Journal of Environmental Management</i> , <b>2016</b> , 184, 85-93	7.9	63
141	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 &amp; Engineering Data</i> , <b>2017</b> , 62, 407-416	2.8	62
140	Pedological characteristics of Mn mine tailings and metal accumulation by native plants. <i>Chemosphere</i> , <b>2008</b> , 72, 1260-6	8.4	62
139	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> , <b>2016</b> , 23, 23606-23618	5.1	61
138	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> , <b>2015</b> , 22, 6271-9	5.1	58
137	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> , <b>2014</b> , 435, 138-44	9.3	58

136	Effect of solids concentration on removal of heavy metals from mine tailings via bioleaching. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 141, 202-8	12.8	58
135	Immobilization of Cd(II) in acid soil amended with different biochars with a long term of incubation. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 12597-604	5.1	57
134	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> , <b>2010</b> , 68, 222-229	5.9	54
133	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121470	12.8	54
132	Adsorption behavior of Cr(VI) from aqueous solution onto magnetic graphene oxide functionalized with 1,2-diaminocyclohexanetetraacetic acid. <i>RSC Advances</i> , <b>2015</b> , 5, 45384-45392	3.7	53
131	The bioenergetics mechanisms and applications of sulfate-reducing bacteria in remediation of pollutants in drainage: A review. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 158, 162-170	7	50
130	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , <b>2021</b> , 766, 142572	10.2	50
129	Highly sensitive ethanol sensors based on {100}-bounded In <sub>2</sub> O <sub>3</sub> nanocrystals due to face contact. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 243514	3.4	48
128	Heavy Metal Accumulation in Plants on Mn Mine Tailings . <i>Pedosphere</i> , <b>2006</b> , 16, 131-136	5	48
127	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> , <b>2018</b> , 93, 783-791	3.5	47
126	Mechanisms of efficient arsenite uptake by arsenic hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 9719-25	10.3	46
125	Photoreduction of Cr(VI) from acidic aqueous solution using TiO <sub>2</sub> -impregnated glutaraldehyde-crosslinked alginate beads and the effects of Fe(III) ions. <i>Chemical Engineering Journal</i> , <b>2013</b> , 226, 131-138	14.7	44
124	Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. <i>RSC Advances</i> , <b>2016</b> , 6, 106201-106210	3.7	43
123	Characterization of Cr(VI) resistance and reduction by <i>Pseudomonas aeruginosa</i> . <i>Transactions of Nonferrous Metals Society of China</i> , <b>2009</b> , 19, 1336-1341	3.3	43
122	The use of microbial-earthworm ecofilters for wastewater treatment with special attention to influencing factors in performance: A review. <i>Bioresource Technology</i> , <b>2016</b> , 200, 999-1007	11	42
121	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> , <b>2014</b> , 26, 2508-16	6.4	42
120	A novel graphene oxide coated biochar composite: synthesis, characterization and application for Cr(VI) removal. <i>RSC Advances</i> , <b>2016</b> , 6, 85202-85212	3.7	41
119	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> , <b>2016</b> , 23, 8699-708	5.1	41

118	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> , <b>2015</b> , 22, 3489-97	5.1	41
117	Effects of Exogenous Spermidine on Antioxidant System Responses of <i>Typha latifolia</i> L. Under Cd <sup>2+</sup> Stress. <i>Journal of Integrative Plant Biology</i> , <b>2005</b> , 47, 428-434	8.3	41
116	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> , <b>2013</b> , 23, 1804-1814	3.3	40
115	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> , <b>2016</b> , 43, 40-47	6.4	38
114	Effect of aniline on cadmium adsorption by sulfanilic acid-grafted magnetic graphene oxide sheets. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 426, 213-20	9.3	38
113	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> , <b>2020</b> , 577, 419-430 <sup>3</sup>	9.3	37
112	Allelopathic effect of the rice straw aqueous extract on the growth of <i>Microcystis aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 148, 953-959	7	37
111	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> , <b>2016</b> , 23, 10189-99	5.1	37
110	Adsorption of 17 $\beta$ -estradiol by a novel attapulgite/biochar nanocomposite : Characteristics and influencing factors. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 121, 155-164	5.5	37
109	Enhanced biological stabilization of heavy metals in sediment using immobilized sulfate reducing bacteria beads with inner cohesive nutrient. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 324, 340-347	12.8	36
108	Hybrid silicate-hydrochar composite for highly efficient removal of heavy metal and antibiotics: Coadsorption and mechanism. <i>Chemical Engineering Journal</i> , <b>2020</b> , 387, 124097	14.7	36
107	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> , <b>2020</b> , 87, 10-23	6.4	36
106	Fast adsorption of Cd <sup>2+</sup> and Pb <sup>2+</sup> by EGTA dianhydride (EGTAD) modified ramie fiber. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 434, 152-8	9.3	35
105	Different adsorption behaviors and mechanisms of a novel amino-functionalized hydrothermal biochar for hexavalent chromium and pentavalent antimony. <i>Bioresource Technology</i> , <b>2020</b> , 310, 123438 <sup>11</sup>	11	34
104	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> , <b>2016</b> , 6, 19298-19307	3.7	34
103	Immobilization of aqueous and sediment-sorbed ciprofloxacin by stabilized Fe-Mn binary oxide nanoparticles: Influencing factors and reaction mechanisms. <i>Chemical Engineering Journal</i> , <b>2017</b> , 314, 612-621	14.7	32
102	Sensitive and selective detection of mercury ions based on papain and 2,6-pyridinedicarboxylic acid functionalized gold nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 3259-3266	3.7	32
101	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> , <b>2014</b> , 64, 18-26	3.9	32

100	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> , <b>2018</b> , 339, 296-302	14.7	31
99	Functionalized Biochar/Clay Composites for Reducing the Bioavailable Fraction of Arsenic and Cadmium in River Sediment. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 2337-2347	3.8	31
98	Influence of sodium dodecyl sulfate coating on adsorption of methylene blue by biochar from aqueous solution. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 70, 166-174	6.4	31
97	Alginate-modified biochar derived from Ca(II)-impregnated biomass: Excellent anti-interference ability for Pb(II) removal. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 165, 211-218	7	29
96	Roles of multiwall carbon nanotubes in phytoremediation: cadmium uptake and oxidative burst in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 851-862	7.1	28
95	Rice waste biochars produced at different pyrolysis temperatures for arsenic and cadmium abatement and detoxification in sediment. <i>Chemosphere</i> , <b>2020</b> , 250, 126268	8.4	28
94	Statistical Analysis of Main and Interaction Effects on Cu(II) and Cr(VI) Decontamination by Nitrogen-Doped Magnetic Graphene Oxide. <i>Scientific Reports</i> , <b>2016</b> , 6, 34378	4.9	28
93	Comparative study of rice husk biochars for aqueous antibiotics removal. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 1075-1084	3.5	27
92	Microwave-assisted chemical modification method for surface regulation of biochar and its application for estrogen removal. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 128, 329-341	5.5	27
91	Efficient Removal of Tetracycline from Aqueous Media with a Fe $\text{O}$ -Nanoparticles@graphene Oxide Nanosheets Assembly. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	27
90	Effects of inorganic electrolyte anions on enrichment of Cu(II) ions with aminated Fe $\text{3O4}$ /graphene oxide: Cu(II) speciation prediction and surface charge measurement. <i>Chemosphere</i> , <b>2015</b> , 127, 35-41	8.4	27
89	Property Variation of Magnetic Mesoporous Carbon Modified by Aminated Hollow Magnetic Nanospheres: Synthesis, Characterization, and Sorption. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 179-188	8.3	26
88	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> , <b>2019</b> , 102, 330-339	5.3	26
87	A restoration-promoting integrated floating bed and its experimental performance in eutrophication remediation. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 1090-8	6.4	26
86	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> , <b>2015</b> , 5, 47584-47591	3.7	26
85	A ratiometric fluorescence halide sensor based on covalently immobilization of quinine and benzothioxanthene. <i>Analytica Chimica Acta</i> , <b>2005</b> , 547, 221-228	6.6	26
84	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> , <b>2019</b> , 127, 519-526	3.9	26
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