

Yun-Guo Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021 , 766, 142572	10.2	50
206	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	9.3	20
205	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	7	14
204	Recent advances in applications of nonradical oxidation in water treatment: Mechanisms, catalysts and environmental effects. <i>Journal of Cleaner Production</i> , 2021 , 321, 128781	10.3	3
203	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	9.3	37
202	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,	4.8	5
201	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	2.6	6
200	Rice waste biochars produced at different pyrolysis temperatures for arsenic and cadmium abatement and detoxification in sediment. <i>Chemosphere</i> , 2020 , 250, 126268	8.4	28
199	Effects of heteroaggregation with metal oxides and clays on tetracycline adsorption by graphene oxide. <i>Science of the Total Environment</i> , 2020 , 719, 137283	10.2	16
198	Synthesis a graphene-like magnetic biochar by potassium ferrate for 17 β -estradiol removal: Effects of ALO nanoparticles and microplastics. <i>Science of the Total Environment</i> , 2020 , 715, 136723	10.2	24
197	Biomass-derived porous graphitic carbon materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5773-5811	13	110
196	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	5	4
195	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	11	34
194	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121470	12.8	54
193	Hybrid silicate-hydrochar composite for highly efficient removal of heavy metal and antibiotics: Coadsorption and mechanism. <i>Chemical Engineering Journal</i> , 2020 , 387, 124097	14.7	36
192	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,	4.6	6
191	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	

190	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	5.5	15
189	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	1.8	0
188	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,	4.6	2
187	Adsorption of 17 β -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	6.4	36
186	Synergy of Photocatalysis and Adsorption for Simultaneous Removal of Hexavalent Chromium and Methylene Blue by g-CN/BiFeO/Carbon Nanotubes Ternary Composites. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	10
185	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	7.1	28
184	Adsorption studies of 17 β -estradiol from aqueous solution using a novel stabilized Fe-Mn binary oxide nanocomposite. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 7614-7626	5.1	8
183	Removal of 17 β -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	7.9	14
182	Acute Toxicity of Divalent Mercury Ion to from Seawater and Freshwater Aquaculture and Its Effects on Tissue Structure. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	6
181	Enhancement of Detoxification of Petroleum Hydrocarbons and Heavy Metals in Oil-Contaminated Soil by Using Glycine- β -Cyclodextrin. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	13
180	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. <i>Chemosphere</i> , 2019 , 226, 360-380	8.4	161
179	Facile synthesis of MnOx-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	3.5	14
178	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. <i>Chemical Engineering Journal</i> , 2019 , 371, 380-403	14.7	113
177	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	5.3	26
176	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 ¹¹		24
175	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	3.8	31
174	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	5.5	27
173	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	14.7	97

172	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> , 2019 , 17,	4.6	22
171	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> , 2019 , 17,	4.6	15
170	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	10.2	72
169	Adsorption mechanism of polyethyleneimine modified magnetic core-shell FeO@SiO nanoparticles for anionic dye removal.. <i>RSC Advances</i> , 2019 , 9, 32462-32471	3.7	19
168	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	2.4	7
167	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	5.1	4
166	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	5.5	37
165	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	3.9	26
164	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	9.3	88
163	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	7	81
162	Investigating the adsorption behavior and the relative distribution of Cd sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , 2018 , 261, 265-271	11	194
161	Decontamination of Cr(VI) by graphene oxide@TiO ₂ 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	2.5	17
160	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	3.7	18
159	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	3.5	18
158	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	14.7	31
157	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	7	37
156	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	11	149
155	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	7	50

154	Adsorption of 17 β -estradiol by graphene oxide: Effect of heteroaggregation with inorganic nanoparticles. <i>Chemical Engineering Journal</i> , 2018 , 343, 371-378	14.7	25
153	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	12.8	93
152	Comparative study of rice husk biochars for aqueous antibiotics removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1075-1084	3.5	27
151	A case study of evaluating zeolite, CaCO ₃ , and MnO ₂ for Cd-contaminated sediment reuse in soil. <i>Journal of Soils and Sediments</i> , 2018 , 18, 323-332	3.4	12
150	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	3.5	47
149	Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 455-468	9.4	108
148	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. <i>Frontiers in Chemistry</i> , 2018 , 6, 80	5	92
147	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	8.4	78
146	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	6.4	31
145	Heavy metal leachability in soil amended with zeolite- or biochar-modified contaminated sediment. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 751	3.1	8
144	Simultaneous removal of hexavalent chromium and o-dichlorobenzene by isolated <i>Serratia marcescens</i> ZD-9. <i>Biodegradation</i> , 2018 , 29, 605-616	4.1	6
143	Fabrication of Stabilized Fe/Mn Binary Oxide Nanoparticles: Effective Adsorption of 17 β -Estradiol and Influencing Factors. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	6
142	Direct fabrication of highly porous graphene/TiO ₂ composite nanofibers by electrospinning for photocatalytic application. <i>Journal of Central South University</i> , 2018 , 25, 2182-2189	2.1	6
141	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	7	29
140	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	10.2	92
139	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	14.7	32
138	Effects of calcium at toxic concentrations of cadmium in plants. <i>Planta</i> , 2017 , 245, 863-873	4.7	111
137	Enhancement of As(V) adsorption from aqueous solution by a magnetic chitosan/biochar composite. <i>RSC Advances</i> , 2017 , 7, 10891-10900	3.7	73

136	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	10.3	119
135	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	8.3	26
134	Adsorption of emerging contaminant metformin using graphene oxide. <i>Chemosphere</i> , 2017 , 179, 20-28	8.4	85
133	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	10.2	108
132	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	14.7	122
131	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	11	347
130	Sorption performance and mechanisms of arsenic(V) removal by magnetic gelatin-modified biochar. <i>Chemical Engineering Journal</i> , 2017 , 314, 223-231	14.7	208
129	Spatial distribution and transport characteristics of heavy metals around an antimony mine area in central China. <i>Chemosphere</i> , 2017 , 170, 17-24	8.4	84
128	Enhanced adsorption of hexavalent chromium by a biochar derived from ramie biomass (<i>Boehmeria nivea</i> (L.) Gaud.) modified with β -cyclodextrin/poly(L-glutamic acid). <i>Environmental Science and Pollution Research</i> , 2017 , 24, 23528-23537	5.1	21
127	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	10.3	187
126	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	9.3	207
125	Remediation of Pb-contaminated port sediment by biosurfactant from <i>Bacillus</i> sp. G1. <i>Transactions of Nonferrous Metals Society of China</i> , 2017 , 27, 1385-1393	3.3	0
124	Fabrication of hydrochar functionalized Fe/Mn binary oxide nanocomposites: characterization and 17 β -estradiol removal. <i>RSC Advances</i> , 2017 , 7, 37122-37129	3.7	22
123	Potential Benefits of Biochar in Agricultural Soils: A Review. <i>Pedosphere</i> , 2017 , 27, 645-661	5	92
122	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	12.8	36
121	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	2.8	62
120	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by FeO@SiO ₂ -Chitosan/graphene oxide nanocomposite. <i>Carbohydrate Polymers</i> , 2017 , 157, 576-585	10.3	177
119	Tetracycline adsorbed onto nitilotriacetic acid-functionalized magnetic graphene oxide: Influencing factors and uptake mechanism. <i>Journal of Colloid and Interface Science</i> , 2017 , 485, 269-279	9.3	106

118	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	14.7	144
117	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,	4.6	24
116	Efficient Removal of Tetracycline from Aqueous Media with a Fe ⁰ /Nanoparticles@graphene Oxide Nanosheets Assembly. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	27
115	Ethylenediamine grafted to graphene oxide@Fe ₃ O ₄ for chromium(VI) decontamination: Performance, modelling, and fractional factorial design. <i>PLoS ONE</i> , 2017 , 12, e0187166	3.7	16
114	A novel graphene oxide coated biochar composite: synthesis, characterization and application for Cr(VI) removal. <i>RSC Advances</i> , 2016 , 6, 85202-85212	3.7	41
113	Removal of metformin hydrochloride by Alternanthera philoxeroides biomass derived porous carbon materials treated with hydrogen peroxide. <i>RSC Advances</i> , 2016 , 6, 79275-79284	3.7	16
112	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	5.1	61
111	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	4.9	28
110	Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. <i>RSC Advances</i> , 2016 , 6, 106201-106210	3.7	43
109	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, 10189-99	5.1	37
108	Biochar to improve soil fertility. A review. <i>Agronomy for Sustainable Development</i> , 2016 , 36, 1	6.8	387
107	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, 8699-708	5.1	41
106	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	6.4	38
105	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	3.7	65
104	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	11	42
103	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	3.7	34
102	Competitive removal of Cd(II) and Pb(II) by biochars produced from water hyacinths: performance and mechanism. <i>RSC Advances</i> , 2016 , 6, 5223-5232	3.7	94
101	Effective removal of Cr(VI) using β -cyclodextrin/chitosan modified biochars with adsorption/reduction bifunctional roles. <i>RSC Advances</i> , 2016 , 6, 94-104	3.7	174

100	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	3.7	32
99	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	14.7	201
98	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. <i>Bioresource Technology</i> , 2016 , 218, 351-9	11	211
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	2.1	11
96	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	4.9	66
95	Maintaining eco-health of urban waterscapes with imbedded integrating ecological entity: Experimental approach. <i>Journal of Central South University</i> , 2016 , 23, 2827-2837	2.1	2
94	Biochar-based nano-composites for the decontamination of wastewater: A review. <i>Bioresource Technology</i> , 2016 , 212, 318-333	11	479
93	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> , 2016 , 184, 85-93	7.9	63
92	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	3.7	11
91	The effects of <i>P. aeruginosa</i> ATCC 9027 and NTA on phytoextraction of Cd by ramie (<i>Boehmeria nivea</i> (L.) Gaud). <i>RSC Advances</i> , 2015 , 5, 67509-67517	3.7	6
90	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	3.7	9
89	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, 12597-604	5.1	57
88	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, 6271-9	5.1	58
87	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, 9400-12	5.1	87
86	Effect of porous zinc biochar nanocomposites on Cr(VI) adsorption from aqueous solution. <i>RSC Advances</i> , 2015 , 5, 35107-35115	3.7	164
85	Bioreduction of Chromate by an Isolated <i>Bacillus anthracis</i> Cr-4 with Soluble Cr(III) Product. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	23
84	Removal of Chromium (VI) from Aqueous Solution Using Mycelial Pellets of <i>Penicillium simplicissimum</i> Impregnated with Powdered Biochar. <i>Bioremediation Journal</i> , 2015 , 19, 259-268	2.3	11
83	Time-dependent antioxidative responses of ramie (<i>Boehmeria nivea</i> (L.) Gaudich) to moderate cadmium stress and its up-regulation mechanism by spermidine antioxidant. <i>RSC Advances</i> , 2015 , 5, 76141-76149	3.7	29

82	Application of molecularly imprinted polymers in wastewater treatment: a review. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 963-77	5.1	175
81	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	5.5	75
80	The Optimal Root Length for <i>Vetiveria zizanioides</i> When Transplanted to Cd Polluted Soil. <i>International Journal of Phytoremediation</i> , 2015 , 17, 563-7	3.9	5
79	Biochar amendment to lead-contaminated soil: Effects on fluorescein diacetate hydrolytic activity and phytotoxicity to rice. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1962-8	3.8	9
78	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	3.7	26
77	Adsorption of hexavalent chromium by polyacrylonitrile (PAN)-based activated carbon fibers from aqueous solution. <i>RSC Advances</i> , 2015 , 5, 25389-25397	3.7	19
76	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	3.7	11
75	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	3.7	130
74	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	3.7	53
73	Synthesis of graphene oxide decorated with core@double-shell nanoparticles and application for Cr(VI) removal. <i>RSC Advances</i> , 2015 , 5, 106339-106349	3.7	24
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45	Removal of Cu(II) ions from aqueous solution using sulfonated magnetic graphene oxide composite. <i>Separation and Purification Technology</i> , 2013 , 108, 189-195	8.3	176
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