Yun-Guo Liu

List of Publications by Year
in descending order

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	Application of biochar for the removal of pollutants from aqueous solutions. Chemosphere, 2015, 125, 70-85.	8.2	1,324
2	Adsorption of chromium (VI) by ethylenediamine-modified cross-linked magnetic chitosan resin: Isotherms, kinetics and thermodynamics. Journal of Hazardous Materials, 2011, 185, 306-314.	12.4	730
3	Biochar-based nano-composites for the decontamination of wastewater: A review. Bioresource Technology, 2016, 212, 318-333.	9.6	654
4	Biochar to improve soil fertility. A review. Agronomy for Sustainable Development, 2016, 36, 1.	5.3	633
5	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
6	Biosorption of cadmium(II), zinc(II) and lead(II) by Penicillium simplicissimum: Isotherms, kinetics and thermodynamics. Journal of Hazardous Materials, 2008, 160, 655-661.	12.4	406
7	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
8	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. Bioresource Technology, 2016, 218, 351-359.	9.6	286
9	Sorption performance and mechanisms of arsenic(V) removal by magnetic gelatin-modified biochar. Chemical Engineering Journal, 2017, 314, 223-231.	12.7	278
10	Investigating the adsorption behavior and the relative distribution of Cd2+ sorption mechanisms on biochars by different feedstock. Bioresource Technology, 2018, 261, 265-271.	9.6	278
11	Subcellular distribution and chemical forms of cadmium in Bechmeria nivea (L.) Gaud.. Environmental and Experimental Botany, 2008, 62, 389-395.	4.2	269
12	Efficiency and mechanisms of Cd removal from aqueous solution by biochar derived from water hyacinth (Eichornia crassipes). Journal of Environmental Management, 2015, 153, 68-73.	7.8	258
13	Removal of 17Î²-estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. Chemical Engineering Journal, 2016, 284, 93-102.	12.7	258
14	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. Chemosphere, 2019, 226, 360-380.	8.2	254
15	Stabilized Nanoscale Zerovalent Iron Mediated Cadmium Accumulation and Oxidative Damage of Boehmeria nivea (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. Environmental Science & Technology, 2017, 51, 11308-11316.	10.0	248
16	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by Fe3O4@SiO2-Chitosan/graphene oxide nanocomposite. Carbohydrate Polymers, 2017, 157, 576-585.	10.2	245
17	Biomass-derived porous graphitic carbon materials for energy and environmental applications. Journal of Materials Chemistry A, 2020, 8, 5773-5811.	10.3	234
18	Characterization of Cr(VI) removal from aqueous solutions by a surplus agricultural wasteâ€"Rice straw. Journal of Hazardous Materials, 2008, 150, 446-452.	12.4	223

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19	Effect of porous zincâ€“biochar nanocomposites on Cr(<scp>vi</scp>) adsorption from aqueous solution. RSC Advances, 2015, 5, 35107-35115.	3.6	223
20	Effective removal of Cr(<scp>vi</scp>) using Î²-cyclodextrinâ€“chitosan modified biochars with adsorption/reduction bifuctional roles. RSC Advances, 2016, 6, 94-104.	3.6	221
21	Pyrolysis and reutilization of plant residues after phytoremediation of heavy metals contaminated sediments: For heavy metals stabilization and dye adsorption. Bioresource Technology, 2018, 253, 64-71.	9.6	214
22	Application of molecularly imprinted polymers in wastewater treatment: a review. Environmental Science and Pollution Research, 2015, 22, 963-977.	5.3	208
23	Biosorption of copper(II) by immobilizing Saccharomyces cerevisiae on the surface of chitosan-coated magnetic nanoparticles from aqueous solution. Journal of Hazardous Materials, 2010, 177, 676-682.	12.4	205
24	Removal of Cu(II) ions from aqueous solution using sulfonated magnetic graphene oxide composite. Separation and Purification Technology, 2013, 108, 189-195.	7.9	204
25	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. Chemical Engineering Journal, 2019, 371, 380-403.	12.7	191
26	A review: Research progress on microplastic pollutants in aquatic environments. Science of the Total Environment, 2021, 766, 142572.	8.0	189
27	Fabrication of Î²-cyclodextrin/poly (l -glutamic acid) supported magnetic graphene oxide and its adsorption behavior for 17Î²-estradiol. Chemical Engineering Journal, 2017, 308, 597-605.	12.7	187
28	Chitosan modification of magnetic biochar produced from Eichhornia crassipes for enhanced sorption of Cr(<scp>vi</scp>) from aqueous solution. RSC Advances, 2015, 5, 46955-46964.	3.6	182
29	Effects of calcium at toxic concentrations of cadmium in plants. Planta, 2017, 245, 863-873.	3.2	169
30	Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. Critical Reviews in Biotechnology, 2018, 38, 455-468.	9.0	158
31	Catalytic degradation of estrogen by persulfate activated with iron-doped graphitic biochar: Process variables effects and matrix effects. Chemical Engineering Journal, 2019, 378, 122141.	12.7	158
32	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
33	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
34	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
35	Cr(VI) reduction by Bacillus sp. isolated from chromium landfill. Process Biochemistry, 2006, 41, 1981-1986.	3.7	147
36	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. Frontiers in Chemistry, 2018, 6, 80.	3.6	143

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37	Activated magnetic biochar by one-step synthesis: Enhanced adsorption and coadsorption for 17Î²-estradiol and copper. Science of the Total Environment, 2018, 639, 1530-1542.	8.0	142
38	Fluorescence water sensor based on covalent immobilization of chalcone derivative. Analytica Chimica Acta, 2006, 577, 264-270.	5.4	141
39	Grafting of Î²-cyclodextrin to magnetic graphene oxide via ethylenediamine and application for Cr(VI) removal. Carbohydrate Polymers, 2014, 113, 166-173.	10.2	141
40	Tetracycline absorbed onto nitrilotriacetic acid-functionalized magnetic graphene oxide: Influencing factors and uptake mechanism. Journal of Colloid and Interface Science, 2017, 485, 269-279.	9.4	138
41	Bioleaching of heavy metals from mine tailings by indigenous sulfur-oxidizing bacteria: Effects of substrate concentration. Bioresource Technology, 2008, 99, 4124-4129.	9.6	137
42	Potential Benefits of Biochar in Agricultural Soils: A Review. Pedosphere, 2017, 27, 645-661.	4.0	137
43	Removal of lead(II) from aqueous solution with ethylenediamine-modified yeast biomass coated with magnetic chitosan microparticles: Kinetic and equilibrium modeling. Chemical Engineering Journal, 2013, 214, 189-197.	12.7	134
44	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
45	Adsorption of emerging contaminant metformin using graphene oxide. Chemosphere, 2017, 179, 20-28.	8.2	129
46	Spatial distribution, health risk assessment and statistical source identification of the trace elements in surface water from the Xiangjiang River, China. Environmental Science and Pollution Research, 2015, 22, 9400-9412.	5.3	127
47	Spatial distribution and transport characteristics of heavy metals around an antimony mine area in central China. Chemosphere, 2017, 170, 17-24.	8.2	127
48	Performance of magnetic graphene oxide/diethylenetriaminepentaacetic acid nanocomposite for the tetracycline and ciprofloxacin adsorption in single and binary systems. Journal of Colloid and Interface Science, 2018, 521, 150-159.	9.4	127
49	Competitive removal of Cd(<scp>ii</scp>) and Pb(<scp>ii</scp>) by biochars produced from water hyacinths: performance and mechanism. RSC Advances, 2016, 6, 5223-5232.	3.6	124
50	Biochar facilitated the phytoremediation of cadmium contaminated sediments: Metal behavior, plant toxicity, and microbial activity. Science of the Total Environment, 2019, 666, 1126-1133.	8.0	122
51	Cadmium-induced oxidative stress and response of the ascorbateâ€“glutathione cycle in Bechmeria nivea (L.) Gaud. Chemosphere, 2007, 69, 99-107.	8.2	121
52	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. Journal of Hazardous Materials, 2020, 384, 121470.	12.4	121
53	Nanoscale zero-valent iron assisted phytoremediation of Pb in sediment: Impacts on metal accumulation and antioxidative system of Lolium perenne. Ecotoxicology and Environmental Safety, 2018, 153, 229-237.	6.0	118
54	Cadmium accumulation in vetiveria zizanioides and its effects on growth, physiological and biochemical characters. Bioresource Technology, 2010, 101, 6297-6303.	9.6	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. Chemosphere, 2018, 208, 655-664.	8.2	113
56	Biosorption of uranium (VI) by immobilized Aspergillus fumigatus beads. Journal of Environmental Radioactivity, 2010, 101, 504-508.	1.7	112
57	Kinetic and Equilibrium Studies of Cr(VI) Biosorption by Dead Bacillus licheniformis Biomass. World Journal of Microbiology and Biotechnology, 2007, 23, 43-48.	3.6	108
58	One-pot synthesis of carbon supported calcined-Mg/Al layered double hydroxides for antibiotic removal by slow pyrolysis of biomass waste. Scientific Reports, 2016, 6, 39691.	3.3	107
59	Enhancement of As(<scp>v</scp>) adsorption from aqueous solution by a magnetic chitosan/biochar composite. RSC Advances, 2017, 7, 10891-10900.	3.6	106
60	Effects of selenium and silicon on enhancing antioxidative capacity in ramie (Boehmeria nivea (L.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.3	104
61	Synthesis and ethanol sensing properties of indium-doped tin oxide nanowires. Applied Physics Letters, 2006, 88, 201907.	3.3	101
62	Biochar pyrolyzed from MgAl-layered double hydroxides pre-coated ramie biomass (Boehmeria nivea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Management, 2016, 184, 85-93.	7.8	98
63	Activation of persulfate by graphitized biochar for sulfamethoxazole removal: The roles of graphitic carbon structure and carbonyl group. Journal of Colloid and Interface Science, 2020, 577, 419-430.	9.4	94
64	Hybrid silicate-hydrochar composite for highly efficient removal of heavy metal and antibiotics: Coadsorption and mechanism. Chemical Engineering Journal, 2020, 387, 124097.	12.7	91
65	Enhanced adsorption of methylene blue by citric acid modification of biochar derived from water hyacinth (Eichornia crassipes). Environmental Science and Pollution Research, 2016, 23, 23606-23618.	5.3	89
66	Removal of cadmium and zinc ions from aqueous solution by living Aspergillus niger. Transactions of Nonferrous Metals Society of China, 2006, 16, 681-686.	4.2	87
67	Adsorption of copper by magnetic graphene oxide-supported Î²-cyclodextrin: Effects of pH, ionic strength, background electrolytes, and citric acid. Chemical Engineering Research and Design, 2015, 93, 675-683.	5.6	85
68	Mechanism of Cr(VI) reduction by Aspergillus niger: enzymatic characteristic, oxidative stress response, and reduction product. Environmental Science and Pollution Research, 2015, 22, 6271-6279.	5.3	83
69	Simultaneous Cr(VI) reduction and phenol degradation in pure cultures of Pseudomonas aeruginosa CCTCC AB91095. Bioresource Technology, 2009, 100, 5079-5084.	9.6	82
70	Production of biochars from Ca impregnated ramie biomass (Boehmeria nivea (L.) Gaud.) and their phosphate removal potential. RSC Advances, 2016, 6, 5871-5880.	3.6	82
71	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
72	The bioenergetics mechanisms and applications of sulfate-reducing bacteria in remediation of pollutants in drainage: A review. Ecotoxicology and Environmental Safety, 2018, 158, 162-170.	6.0	82

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73	A novel fluorescence ratiometric pH sensor based on covalently immobilized piperazinyl-1,8-napthalimide and benzothioxanthene. Sensors and Actuators B: Chemical, 2006, 114, 308-315.	7.8	79
74	Achieving fast oxygen response in individual Î²-Ga2O3 nanowires by ultraviolet illumination. Applied Physics Letters, 2006, 89, 112114.	3.3	76
75	Effects of background electrolytes and ionic strength on enrichment of Cd(II) ions with magnetic graphene oxideâ€“supported sulfanilic acid. Journal of Colloid and Interface Science, 2014, 435, 138-144.	9.4	76
76	Pedological characteristics of Mn mine tailings and metal accumulation by native plants. Chemosphere, 2008, 72, 1260-1266.	8.2	73
77	Titanium dioxideâ€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
78	Different adsorption behaviors and mechanisms of a novel amino-functionalized hydrothermal biochar for hexavalent chromium and pentavalent antimony. Bioresource Technology, 2020, 310, 123438.	9.6	70
79	Adsorption of 17Î²-estradiol from aqueous solution by raw and direct/pre/post-KOH treated lotus seedpod biochar. Journal of Environmental Sciences, 2020, 87, 10-23.	6.1	69
80	Immobilization of Cd(II) in acid soil amended with different biochars with a long term of incubation. Environmental Science and Pollution Research, 2015, 22, 12597-12604.	5.3	67
81	Effect of solids concentration on removal of heavy metals from mine tailings via bioleaching. Journal of Hazardous Materials, 2007, 141, 202-208.	12.4	64
82	Uptake and translocation of arsenite and arsenate by Pteris vittata L.: Effects of silicon, boron and mercury. Environmental and Experimental Botany, 2010, 68, 222-229.	4.2	63
83	Adsorption behavior of Cr(<scp>vi</scp>) from aqueous solution onto magnetic graphene oxide functionalized with 1,2-diaminocyclohexanetetraacetic acid. RSC Advances, 2015, 5, 45384-45392.	3.6	63
84	Photoreduction of Cr(VI) from acidic aqueous solution using TiO2-impregnated glutaraldehyde-crosslinked alginate beads and the effects of Fe(III) ions. Chemical Engineering Journal, 2013, 226, 131-138.	12.7	61
85	The use of microbial-earthworm ecofilters for wastewater treatment with special attention to influencing factors in performance: A review. Bioresource Technology, 2016, 200, 999-1007.	9.6	58
86	Allelopathic effect of the rice straw aqueous extract on the growth of Microcystis aeruginosa. Ecotoxicology and Environmental Safety, 2018, 148, 953-959.	6.0	58
87	A novel graphene oxide coated biochar composite: synthesis, characterization and application for Cr(<scp>vi</scp>) removal. RSC Advances, 2016, 6, 85202-85212.	3.6	57
88	Mechanisms of Efficient Arsenite Uptake by Arsenic Hyperaccumulator Pteris vittata. Environmental Science & Technology, 2011, 45, 9719-9725.	10.0	56
89	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
90	Rice waste biochars produced at different pyrolysis temperatures for arsenic and cadmium abatement and detoxification in sediment. Chemosphere, 2020, 250, 126268.	8.2	56

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91	Effect of exogenous nitric oxide on antioxidative system and S-nitrosylation in leaves of Boehmeria nivea (L.) Gaud under cadmium stress. Environmental Science and Pollution Research, 2015, 22, 3489-3497.	5.3	55
92	Heavy Metal Accumulation in Plants on Mn Mine Tailings. Pedosphere, 2006, 16, 131-136.	4.0	54
93	Highly sensitive ethanol sensors based on {100}-bounded In2O3 nanocrystals due to face contact. Applied Physics Letters, 2006, 89, 243514.	3.3	54
94	Effects of exogenous calcium and spermidine on cadmium stress moderation and metal accumulation in Boehmeria nivea (L.) Gaudich. Environmental Science and Pollution Research, 2016, 23, 8699-8708.	5.3	54
95	Adsorption of 17Î²-estradiol by a novel attapulgite/biochar nanocomposite : Characteristics and influencing factors. Chemical Engineering Research and Design, 2019, 121, 155-164.	5.6	54
96	Enhanced efficiency of cadmium removal by Boehmeria nivea (L.) Gaud. in the presence of exogenous citric and oxalic acids. Journal of Environmental Sciences, 2014, 26, 2508-2516.	6.1	53
97	Characterization of Cr(VI) resistance and reduction by Pseudomonas aeruginosa. Transactions of Nonferrous Metals Society of China, 2009, 19, 1336-1341.	4.2	52
98	Effects of Exogenous Spermidine on Antioxidant System Responses of Typha latifolia L. Under Cd2+ Stress. Journal of Integrative Plant Biology, 2005, 47, 428-434.	8.5	51
99	Biosorption of copper(II) from aqueous solution by Bacillus subtilis cells immobilized into chitosan beads. Transactions of Nonferrous Metals Society of China, 2013, 23, 1804-1814.	4.2	51
100	Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. RSC Advances, 2016, 6, 106201-106210.	3.6	49
101	Growth inhibition and oxidative damage of Microcystis aeruginosa induced by crude extract of Sagittaria trifolia tubers. Journal of Environmental Sciences, 2016, 43, 40-47.	6.1	49
102	Cadmium accumulation and tolerance of Macleaya cordata: a newly potential plant for sustainable phytoremediation in Cd-contaminated soil. Environmental Science and Pollution Research, 2016, 23, 10189-10199.	5.3	48
103	Functionalized Biochar/Clay Composites for Reducing the Bioavailable Fraction of Arsenic and Cadmium in River Sediment. Environmental Toxicology and Chemistry, 2019, 38, 2337-2347.	4.3	48
104	Design and Preparation of Chitosan-Crosslinked Bismuth Ferrite/Biochar Coupled Magnetic Material for Methylene Blue Removal. International Journal of Environmental Research and Public Health, 2020, 17, 6.	2.6	46
105	Synthesis a graphene-like magnetic biochar by potassium ferrate for 17Î²-estradiol removal: Effects of Al2O3 nanoparticles and microplastics. Science of the Total Environment, 2020, 715, 136723.	8.0	46
106	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
107	Activation of persulfate by nanoscale zero-valent iron loaded porous graphitized biochar for the removal of 17Î²-estradiol: Synthesis, performance and mechanism. Journal of Colloid and Interface Science, 2021, 588, 776-786.	9.4	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. Ecotoxicology and Environmental Safety, 2021, 208, 111510.	6.0	45

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109	Fast adsorption of Cd2+ and Pb2+ by EGTA dianhydride (EGTAD) modified ramie fiber. Journal of Colloid and Interface Science, 2014, 434, 152-158.	9.4	43
110	Effect of aniline on cadmium adsorption by sulfanilic acid-grafted magnetic graphene oxide sheets. Journal of Colloid and Interface Science, 2014, 426, 213-220.	9.4	43
111	Adsorption of estrogen contaminants (17Î²-estradiol and 17Î±-ethynylestradiol) by graphene nanosheets from water: Effects of graphene characteristics and solution chemistry. Chemical Engineering Journal, 2018, 339, 296-302.	12.7	42
112	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
113	Removal of 17Î²-estradiol from aqueous solution by graphene oxide supported activated magnetic biochar: Adsorption behavior and mechanism. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 330-339.	5.3	42
114	Sulfamic acid modified hydrochar derived from sawdust for removal of benzotriazole and Cu(II) from aqueous solution: Adsorption behavior and mechanism. Bioresource Technology, 2019, 290, 121765.	9.6	42
115	Microwave-assisted chemical modification method for surface regulation of biochar and its application for estrogen removal. Chemical Engineering Research and Design, 2019, 128, 329-341.	5.6	42
116	Efficient Removal of Tetracycline from Aqueous Media with a Fe3O4 Nanoparticles@graphene Oxide Nanosheets Assembly. International Journal of Environmental Research and Public Health, 2017, 14, 1495.	2.6	41
117	Comparative study of rice husk biochars for aqueous antibiotics removal. Journal of Chemical Technology and Biotechnology, 2018, 93, 1075-1084.	3.2	41
118	Facile synthesis of MnO_xâ€loaded biochar for the removal of doxycycline hydrochloride: effects of ambient conditions and coâ€existing heavy metals. Journal of Chemical Technology and Biotechnology, 2019, 94, 2187-2197.	3.2	41
119	Decontamination of methylene blue from aqueous solution by magnetic chitosan lignosulfonate grafted with graphene oxide: effects of environmental conditions and surfactant. RSC Advances, 2016, 6, 19298-19307.	3.6	40
120	Adsorption Removal of 17Î²-Estradiol from Water by Rice Straw-Derived Biochar with Special Attention to Pyrolysis Temperature and Background Chemistry. International Journal of Environmental Research and Public Health, 2017, 14, 1213.	2.6	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. Ecological Engineering, 2014, 64, 18-26.	3.6	39
122	Efficient Removal of Diclofenac from Aqueous Solution by Potassium Ferrate-Activated Porous Graphitic Biochar: Ambient Condition Influences and Adsorption Mechanism. International Journal of Environmental Research and Public Health, 2020, 17, 291.	2.6	39
123	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
124	Appraising the effect of in-situ remediation of heavy metal contaminated sediment by biochar and activated carbon on Cu immobilization and microbial community. Ecological Engineering, 2019, 127, 519-526.	3.6	37
125	A restoration-promoting integrated floating bed and its experimental performance in eutrophication remediation. Journal of Environmental Sciences, 2014, 26, 1090-1098.	6.1	36
126	Adsorption of 17Î²-estradiol by graphene oxide: Effect of heteroaggregation with inorganic nanoparticles. Chemical Engineering Journal, 2018, 343, 371-378.	12.7	36

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127	Cadmium accumulation and apoplastic and symplastic transport in Boehmeria nivea (L.) Gaudich on cadmium-contaminated soil with the addition of EDTA or NTA. RSC Advances, 2015, 5, 47584-47591.	3.6	35
128	Statistical Analysis of Main and Interaction Effects on Cu(II) and Cr(VI) Decontamination by Nitrogenâ€“Doped Magnetic Graphene Oxide. Scientific Reports, 2016, 6, 34378.	3.3	35
129	Fabrication of hydrochar functionalized Feâ€“Mn binary oxide nanocomposites: characterization and 17Î²-estradiol removal. RSC Advances, 2017, 7, 37122-37129.	3.6	34
130	Roles of multiwall carbon nanotubes in phytoremediation: cadmium uptake and oxidative burst in Boehmeria nivea (L.) Gaudich. Environmental Science: Nano, 2019, 6, 851-862.	4.3	34
131	Adsorption mechanism of polyethyleneimine modified magnetic coreâ€“shell Fe₃O₄@SiO₂ nanoparticles for anionic dye removal. RSC Advances, 2019, 9, 32462-32471.	3.6	34
132	Sensitive and selective detection of mercury ions based on papain and 2,6-pyridinedicarboxylic acid functionalized gold nanoparticles. RSC Advances, 2016, 6, 3259-3266.	3.6	33
133	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
134	Hydrothermal synthesis of montmorillonite/hydrochar nanocomposites and application for 17Î²-estradiol and 17Îµ-ethynylestradiol removal. RSC Advances, 2018, 8, 4273-4283.	3.6	33
135	A ratiometric fluorescence halide sensor based on covalently immobilization of quinine and benzothioxanthene. Analytica Chimica Acta, 2005, 547, 221-228.	5.4	32
136	Effects of inorganic electrolyte anions on enrichment of Cu(II) ions with aminated Fe3O4/graphene oxide: Cu(II) speciation prediction and surface charge measurement. Chemosphere, 2015, 127, 35-41.	8.2	31
137	Application of EDTA decontamination on soils affected by mining activities and impact of treatment on the geochemical partition of metal contaminants. Journal of Hazardous Materials, 2009, 164, 936-940.	12.4	30
138	Removal of metformin hydrochloride by Alternanthera philoxeroides biomass derived porous carbon materials treated with hydrogen peroxide. RSC Advances, 2016, 6, 79275-79284.	3.6	30
139	Enhanced adsorption of hexavalent chromium by a biochar derived from ramie biomass (Boehmeria) Tj ETQq1 1 0.784314 rgBT /Overlo Pollution Research, 2017, 24, 23528-23537.	5.3	30
140	Decontamination of Cr(VI) by graphene oxide@TiO₂ in an aerobic atmosphere: effects of pH, ferric ions, inorganic anions, and formate. Journal of Chemical Technology and Biotechnology, 2018, 93, 2226-2233.	3.2	30
141	Effects of heteroaggregation with metal oxides and clays on tetracycline adsorption by graphene oxide. Science of the Total Environment, 2020, 719, 137283.	8.0	30
142	Adsorption of Cr(VI) by modified chitosan from heavy-metal polluted water of Xiangjiang River, China. Transactions of Nonferrous Metals Society of China, 2013, 23, 3095-3103.	4.2	29
143	Effects of limonene stress on the growth of and microcystin release by the freshwater cyanobacterium Microcystis aeruginosa FACHB-905. Ecotoxicology and Environmental Safety, 2014, 105, 121-127.	6.0	29
144	Synthesis of graphene oxide decorated with core@double-shell nanoparticles and application for Cr(<scp>vi</scp>) removal. RSC Advances, 2015, 5, 106339-106349.	3.6	29

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145	Catalytic degradation of sulfamethoxazole by persulfate activated with magnetic graphitized biochar: Multiple mechanisms and variables effects. Chemical Engineering Research and Design, 2020, 144, 143-157.	5.6	29
146	Recent advances in applications of nonradical oxidation in water treatment: Mechanisms, catalysts and environmental effects. Journal of Cleaner Production, 2021, 321, 128781.	9.3	29
147	Effects of indole-3-acetic, kinetin and spermidine assisted with EDDS on metal accumulation and tolerance mechanisms in ramie (Boehmeria nivea (L.) Gaud.). Ecological Engineering, 2014, 71, 108-112.	3.6	27
148	Bioreduction of Chromate by an Isolated Bacillus anthracis Cr-4 with Soluble Cr(III) Product. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	27
149	Titanium(IV) hydrate based on chitosan template for defluoridation from aqueous solution. Applied Surface Science, 2014, 293, 46-54.	6.1	26
150	Removal of 17Î²-Estradiol from water by adsorption onto montmorillonite-carbon hybrids derived from pyrolysis carbonization of carboxymethyl cellulose. Journal of Environmental Management, 2019, 236, 25-33.	7.8	25
151	Removal of copper ions by fewâ€layered graphene oxide nanosheets from aqueous solutions: external influences and adsorption mechanisms. Journal of Chemical Technology and Biotechnology, 2018, 93, 2447-2455.	3.2	24
152	Enhancing effect of iron on chromate reduction by Cellulomonas flavigena. Journal of Hazardous Materials, 2005, 126, 17-22.	12.4	22
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