

# Xinjiang Hu

## List of Publications by Citations

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94  
papers

6,538  
citations

39  
h-index

80  
g-index

96  
ext. papers

7,628  
ext. citations

6.8  
avg, IF

5.83  
L-index

#	Paper	IF	Citations
94	Application of biochar for the removal of pollutants from aqueous solutions. <i>Chemosphere</i> , <b>2015</b> , 125, 70-85	8.4	989
93	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
92	Biochar-based nano-composites for the decontamination of wastewater: A review. <i>Bioresource Technology</i> , <b>2016</b> , 212, 318-333	11	479
91	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
90	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
89	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
88	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
87	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
86	Novel thiourea-modified magnetic ion-imprinted chitosan/TiO <sub>2</sub> composite for simultaneous removal of cadmium and 2,4-dichlorophenol. <i>Chemical Engineering Journal</i> , <b>2012</b> , 191, 85-94	14.7	133
85	Cu(II)-influenced adsorption of ciprofloxacin from aqueous solutions by magnetic graphene oxide/nitrilotriacetic acid nanocomposite: Competition and enhancement mechanisms. <i>Chemical Engineering Journal</i> , <b>2017</b> , 319, 219-228	14.7	122
84	Preparation of ethylenediamine-modified magnetic chitosan complex for adsorption of uranyl ions. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 1169-1175	10.3	120
83	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
82	Mechanisms underlying the photocatalytic degradation pathway of ciprofloxacin with heterogeneous TiO <sub>2</sub> . <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122366	14.7	113
81	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
80	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
79	Tetracycline adsorbed 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
78	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

77	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
76	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
75	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
74	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
73	Plasma membrane behavior, oxidative damage, and defense mechanism in <i>Phanerochaete chrysosporium</i> under cadmium stress. <i>Process Biochemistry</i> , <b>2014</b> , 49, 589-598	4.8	72
72	Simultaneous cadmium removal and 2,4-dichlorophenol degradation from aqueous solutions by <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 91, 811-21	5.7	70
71	Responses of <i>Phanerochaete chrysosporium</i> to toxic pollutants: physiological flux, oxidative stress, and detoxification. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 7818-25	10.3	69
70	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
69	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
68	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
67	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
66	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
65	Decontamination of tetracycline by thiourea-dioxide-reduced magnetic graphene oxide: Effects of pH, ionic strength, and humic acid concentration. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 495, 68-77	9.3	55
64	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
63	Ternary assembly of g-CN/graphene oxide sheets /BiFeO heterojunction with enhanced photoreduction of Cr(VI) under visible-light irradiation. <i>Chemosphere</i> , <b>2019</b> , 216, 733-741	8.4	52
62	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
61	Mechanisms underlying degradation pathways of microcystin-LR with doped TiO <sub>2</sub> photocatalysis. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 355-371	14.7	45
60	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

59	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
58	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
57	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
56	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
55	The tolerance of <i>Rhizopus arrhizus</i> to U(VI) and biosorption behavior of U(VI) onto <i>R. arrhizus</i> . <i>Biochemical Engineering Journal</i> , <b>2010</b> , 51, 19-23	4.2	39
54	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
53	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
52	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
51	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
50	Hydrogen sulfide alleviates 2,4-dichlorophenol toxicity and promotes its degradation in <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , <b>2014</b> , 109, 208-12	8.4	33
49	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
48	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
47	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
46	Cd(II) and Pb(II) absorbed on humic acid-iron-pillared bentonite: Kinetics, thermodynamics and mechanism of adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 612, 126005	5.1	29
45	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
44	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
43	Immobilization of visible light-sensitive (N, Cu) co-doped TiO <sub>2</sub> onto rectorite for photocatalytic degradation of p-chlorophenol in aqueous solution. <i>Applied Clay Science</i> , <b>2017</b> , 142, 128-135	5.2	28
42	Bioaccumulation of zinc, lead, copper, and cadmium from contaminated sediments by native plant species and <i>Acrida cinerea</i> in South China. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 1735-45 <sup>3.1</sup>		27

41	Efficient Removal of Tetracycline from Aqueous Media with a Fe <sub>3</sub> O <sub>4</sub> @graphene Oxide Nanosheets Assembly. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	27
40	Effects of inorganic electrolyte anions on enrichment of Cu(II) ions with aminated Fe <sub>3</sub> O <sub>4</sub> /graphene oxide: Cu(II) speciation prediction and surface charge measurement. <i>Chemosphere</i> , <b>2015</b> , 127, 35-41	8.4	27
39	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
38	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
37	Cadmium accumulation and apoplasmic and symplasmic 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
36	Adsorption of Cr(VI) by modified chitosan from heavy-metal polluted water of Xiangjiang River, China. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 3095-3103	3.3	25
35	Synthesis a graphene-like magnetic biochar by potassium ferrate for 17 $\beta$ -estradiol removal: Effects of ALO nanoparticles and microplastics. <i>Science of the Total Environment</i> , <b>2020</b> , 715, 136723	10.2	24
34	Synthesis of graphene oxide decorated with core@double-shell nanoparticles and application for Cr(VI) removal. <i>RSC Advances</i> , <b>2015</b> , 5, 106339-106349	3.7	24
33	Effects of limonene stress on the growth of and microcystin release by the freshwater cyanobacterium <i>Microcystis aeruginosa</i> FACHB-905. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 105, 121-7	7	22
32	Effects of indole-3-acetic, kinetin and spermidine assisted with EDDS on metal accumulation and tolerance mechanisms in ramie ( <i>Boehmeria nivea</i> (L.) Gaud.). <i>Ecological Engineering</i> , <b>2014</b> , 71, 108-112	3.9	20
31	Synergistic adsorption-photocatalytic degradation effect and norfloxacin mechanism of ZnO/ZnS@BC under UV-light irradiation. <i>Scientific Reports</i> , <b>2020</b> , 10, 11903	4.9	20
30	Competitive adsorption of Cu(II) and Pb(II) ions from aqueous solutions by Ca-alginate immobilized activated carbon and <i>Saccharomyces cerevisiae</i> . <i>Journal of Central South University</i> , <b>2013</b> , 20, 2478-2488	2.1	19
29	A novel preparation of S-nZVI and its high efficient removal of Cr(VI) in aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125924	12.8	19
28	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> , <b>2018</b> , 93, 2447-2455	3.5	18
27	Decontamination of Cr(VI) by graphene oxide@TiO <sub>2</sub> in an aerobic atmosphere: effects of pH, ferric ions, inorganic anions, and formate. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 2226-2233	2.5	17
26	Ethylenediamine grafted to graphene oxide@Fe <sub>3</sub> O <sub>4</sub> for chromium(VI) decontamination: Performance, modelling, and fractional factorial design. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187166	3.7	16
25	Three-dimensional microspheric g-CN coupled by biochar: facile sodium alginate immobilization and excellent photocatalytic Cr(IV) reduction.. <i>RSC Advances</i> , <b>2020</b> , 10, 6121-6128	3.7	15
24	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> , <b>2019</b> , 17,	4.6	15

23	Impacts of land-use change on ecosystem service value in Changsha, China. <i>Journal of Central South University</i> , <b>2011</b> , 18, 420-428	2.1	14
22	Mechanism of exogenous selenium alleviates cadmium induced toxicity in <i>Boehmeria nivea</i> (L.) Gaud (Ramie). <i>Transactions of Nonferrous Metals Society of China</i> , <b>2014</b> , 24, 3964-3970	3.3	13
21	Exogenous spermidine enhanced Pb tolerance in <i>Salix matsudana</i> by promoting Pb accumulation in roots and spermidine, nitric oxide, and antioxidant system levels in leaves. <i>Ecological Engineering</i> , <b>2017</b> , 107, 41-48	3.9	11
20	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> , <b>2019</b> , 16,	4.6	10
19	Effect of Pb(II) on phenanthrene degradation by new isolated <i>Bacillus</i> sp. P1. <i>RSC Advances</i> , <b>2015</b> , 5, 55817-55818	3.7	10
18	Simultaneous remediation of methylene blue and Cr(VI) by mesoporous BiVO <sub>4</sub> photocatalyst under visible-light illumination. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 112, 357-365	5.3	10
17	Effects of cadmium on calcium homeostasis in the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 157, 95-101	7	10
16	Effects of d-menthol stress on the growth of and microcystin release by the freshwater cyanobacterium <i>Microcystis aeruginosa</i> FACHB-905. <i>Chemosphere</i> , <b>2014</b> , 113, 30-5	8.4	9
15	Biochar amendment to lead-contaminated soil: Effects on fluorescein diacetate hydrolytic activity and phytotoxicity to rice. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 1962-8	3.8	9
14	Exogenous spermidine elevating cadmium tolerance in <i>Salix matsudana</i> involves cadmium detoxification and antioxidant defense. <i>International Journal of Phytoremediation</i> , <b>2019</b> , 21, 305-315	3.9	8
13	H <sub>3</sub> PO <sub>4</sub> -Activated Cattail Carbon Production and Application in Chromium Removal from Aqueous Solution: Process Optimization and Removal Mechanism. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 754	3	8
12	Biochar synthesized via pyrolysis of <i>Broussonetia papyrifera</i> leaves: mechanisms and potential applications for phosphate removal. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 6565-6575	5.1	8
11	Enhanced Removal of Antibiotic in Wastewater Using Liquid Nitrogen-Treated Carbon Material: Material Properties and Removal Mechanisms. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	8
10	Coupling of kenaf Biochar and Magnetic BiFeO onto Cross-linked Chitosan for Enhancing Separation Performance and Cr(VI) Ions Removal Efficiency. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	7
9	The Optimal Root Length for <i>Vetiveria zizanioides</i> When Transplanted to Cd Polluted Soil. <i>International Journal of Phytoremediation</i> , <b>2015</b> , 17, 563-7	3.9	5
8	Light-driven breakdown of microcystin-LR in water: A critical review. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 129244	14.7	5
7	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> , <b>2015</b> , 5, 76141-76149	2.7	4
6	Removal of cadmium from aqueous solution by immobilized <i>Microcystis aeruginosa</i> : Isotherms, kinetics and thermodynamics. <i>Journal of Central South University</i> , <b>2014</b> , 21, 2810-2818	2.1	3

5	Influence of thinning on acidic deposition in Chinese fir plantations. <i>Journal of Central South University</i> , <b>2014</b> , 21, 694-700	2.1	2
4	Preparation, Photoelectricity Property and Photocatalytic Activity of Alkaline-Earth Metals Modified TiO <sub>2</sub> Nanoparticles. <i>Asian Journal of Chemistry</i> , <b>2014</b> , 26, 5447-5452	0.4	2
3	Optimization of Cadmium Adsorption by Magnetic Graphene Oxide Using a Fractional Factorial Design. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	2
2	Chitosan and biochar synergize the efficient elimination of lead from wastewater by sulfidised nano-zero-valent iron. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107101	6.8	0
1	Iron Carbon Catalyst Initiated the Generation of Active Free Radicals without Oxidants for Decontamination of Methylene Blue from Waters. <i>Catalysts</i> , <b>2022</b> , 12, 388	4	0