Jianhua Qu

List of Publications by Year in descending order

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31 papers	1,953 citations	279701 23 h-index	434063 31 g-index
31 all docs	31 docs citations	31 times ranked	1044 citing authors

#	Article	IF	Citations
1	One-pot synthesis of Ca-based magnetic hydrochar derived from consecutive hydrothermal and pyrolysis processing of bamboo for high-performance scavenging of Pb(â…¡) and tetracycline from water. Bioresource Technology, 2022, 343, 126046.	4.8	49
2	Effective lead passivation in soil by bone char/CMC-stabilized FeS composite loading with phosphate-solubilizing bacteria. Journal of Hazardous Materials, 2022, 423, 127043.	6.5	104
3	Stabilization of lead and cadmium in soil by sulfur-iron functionalized biochar: Performance, mechanisms and microbial community evolution. Journal of Hazardous Materials, 2022, 425, 127876.	6.5	109
4	Simultaneous scavenging of Cd(II) and Pb(II) from water by sulfide-modified magnetic pinecone-derived hydrochar. Journal of Cleaner Production, 2022, 341, 130758.	4.6	64
5	Applications of functionalized magnetic biochar in environmental remediation: A review. Journal of Hazardous Materials, 2022, 434, 128841.	6.5	104
6	Microwave-assisted one-pot synthesis of Î²-cyclodextrin modified biochar for stabilization of Cd and Pb in soil. Journal of Cleaner Production, 2022, 346, 131165.	4.6	41
7	Concurrent elimination and stepwise recovery of Pb(II) and bisphenol A from water using Î²â€“cyclodextrin modified magnetic cellulose: adsorption performance and mechanism investigation. Journal of Hazardous Materials, 2022, 432, 128758.	6.5	62
8	Efficient scavenging of aqueous Pb(II)/Cd(II) by sulfide-iron decorated biochar: Performance, mechanisms and reusability exploration. Journal of Environmental Chemical Engineering, 2022, 10, 107531.	3.3	21
9	Two-step ball milling-assisted synthesis of N-doped biochar loaded with ferrous sulfide for enhanced adsorptive removal of Cr(â…¥) and tetracycline from water. Environmental Pollution, 2022, 306, 119398.	3.7	25
10	Pinecone-derived magnetic porous hydrochar co-activated by KHCO3 and K2FeO4 for Cr(VI) and anthracene removal from water. Environmental Pollution, 2022, 306, 119457.	3.7	9
11	KOH-activated porous biochar with high specific surface area for adsorptive removal of chromium (VI) and naphthalene from water: Affecting factors, mechanisms and reusability exploration. Journal of Hazardous Materials, 2021, 401, 123292.	6.5	241
12	Green synthesis of hydrophilic activated carbon supported sulfide nZVI for enhanced Pb(II) scavenging from water: Characterization, kinetics, isotherms and mechanisms. Journal of Hazardous Materials, 2021, 403, 123607.	6.5	139
13	Graphene-like carbon sheet-supported nZVI for efficient atrazine oxidation degradation by persulfate activation. Chemical Engineering Journal, 2021, 403, 126309.	6.6	77
14	Microwave-assisted synthesis of Î²-cyclodextrin functionalized celluloses for enhanced removal of Pb(II) from water: Adsorptive performance and mechanism exploration. Science of the Total Environment, 2021, 752, 141854.	3.9	60
15	Enhanced phosphate scavenging with effective recovery by magnetic porous biochar supported La(OH)3: Kinetics, isotherms, mechanisms and applications for water and real wastewater. Bioresource Technology, 2021, 319, 124232.	4.8	104
16	Study on the community structure and function of anaerobic granular sludge under trichloroethylene stress. Ecotoxicology, 2021, 30, 1408-1418.	1.1	7
17	Characterization and mechanism analysis of tylosin biodegradation and simultaneous ammonia nitrogen removal with strain Klebsiella pneumoniae TN-1. Bioresource Technology, 2021, 336, 125342.	4.8	26
18	Removal of Cd(â…¡) and anthracene from water by Î²-cyclodextrin functionalized magnetic hydrochar: Performance, mechanism and recovery. Bioresource Technology, 2021, 337, 125428.	4.8	24

#	Article	IF	Citations
19	Magnetic porous biochar with high specific surface area derived from microwave-assisted hydrothermal and pyrolysis treatments of water hyacinth for Cr(â…¥) and tetracycline adsorption from water. Bioresource Technology, 2021, 340, 125692.	4.8	60
20	Multi-component adsorption of Pb(II), Cd(II) and Ni(II) onto microwave-functionalized cellulose: Kinetics, isotherms, thermodynamics, mechanisms and application for electroplating wastewater purification. Journal of Hazardous Materials, 2020, 387, 121718.	6.5	127
21	Microwave-assisted one pot synthesis of Î²-cyclodextrin modified biochar for concurrent removal of Pb(II) and bisphenol a in water. Carbohydrate Polymers, 2020, 250, 117003.	5.1	50
22	Simultaneously enhanced removal and stepwise recovery of atrazine and Pb(II) from water using Î²â€“cyclodextrin functionalized cellulose: Characterization, adsorptive performance and mechanism exploration. Journal of Hazardous Materials, 2020, 400, 123142.	6.5	67
23	One-pot hydrothermal synthesis of NaLa(CO3)2 decorated magnetic biochar for efficient phosphate removal from water: Kinetics, isotherms, thermodynamics, mechanisms and reusability exploration. Chemical Engineering Journal, 2020, 394, 124915.	6.6	152
24	A combined system of microwave-functionalized rice husk and poly-aluminium chloride for trace cadmium-contaminated source water purification: Exploration of removal efficiency and mechanism. Journal of Hazardous Materials, 2019, 379, 120804.	6.5	21
25	Effective aggregation of expert opinions to inform environmental management: An integrated fuzzy group decision-making framework with application to cadmium-contaminated water treatment alternatives evaluation. Journal of Cleaner Production, 2019, 209, 834-845.	4.6	14
26	Enhanced removal of Cd(II) from water using sulfur-functionalized rice husk: Characterization, adsorptive performance and mechanism exploration. Journal of Cleaner Production, 2018, 183, 880-886.	4.6	58
27	Utilization of rice husks functionalized with xanthates as cost-effective biosorbents for optimal Cd(II) removal from aqueous solution via response surface methodology. Bioresource Technology, 2017, 241, 1036-1042.	4.8	52
28	A triangular fuzzy TOPSIS-based approach for the application of water technologies in different emergency water supply scenarios. Environmental Science and Pollution Research, 2016, 23, 17277-17286.	2.7	15
29	Characteristic variation and original analysis of emergent water source pollution accidents in China between 1985 and 2013. Environmental Science and Pollution Research, 2016, 23, 19675-19685.	2.7	25
30	Multi-stage ranking of emergency technology alternatives for water source pollution accidents using a fuzzy group decision making tool. Journal of Hazardous Materials, 2016, 310, 68-81.	6.5	35
31	A novel two-stage evaluation system based on a Group-G1 approach to identify appropriate emergency treatment technology schemes in sudden water source pollution accidents. Environmental Science and Pollution Research, 2016, 23, 2789-2801.	2.7	11