

Jianhua Qu

List of Publications by Year in descending order

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31
papers

1,953
citations

279798

23
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Hazardous Materials</i> , 2021, 401, 123292.	12.4	241
2	One-pot hydrothermal synthesis of NaLa(CO ₃) ₂ decorated magnetic biochar for efficient phosphate removal from water: Kinetics, isotherms, thermodynamics, mechanisms and reusability exploration. <i>Chemical Engineering Journal</i> , 2020, 394, 124915.	12.7	152
3	Green synthesis of hydrophilic activated carbon supported sulfide nZVI for enhanced Pb(II) scavenging from water: Characterization, kinetics, isotherms and mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 403, 123607.	12.4	139
4	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. <i>Journal of Hazardous Materials</i> , 2020, 387, 121718.	12.4	127
5	Stabilization of lead and cadmium in soil by sulfur-iron functionalized biochar: Performance, mechanisms and microbial community evolution. <i>Journal of Hazardous Materials</i> , 2022, 425, 127876.	12.4	109
6	Enhanced phosphate scavenging with effective recovery by magnetic porous biochar supported La(OH) ₃ : Kinetics, isotherms, mechanisms and applications for water and real wastewater. <i>Bioresource Technology</i> , 2021, 319, 124232.	9.6	104
7	Effective lead passivation in soil by bone char/CMC-stabilized FeS composite loading with phosphate-solubilizing bacteria. <i>Journal of Hazardous Materials</i> , 2022, 423, 127043.	12.4	104
8	Applications of functionalized magnetic biochar in environmental remediation: A review. <i>Journal of Hazardous Materials</i> , 2022, 434, 128841.	12.4	104
9	Graphene-like carbon sheet-supported nZVI for efficient atrazine oxidation degradation by persulfate activation. <i>Chemical Engineering Journal</i> , 2021, 403, 126309.	12.7	77
10	Simultaneously enhanced removal and stepwise recovery of atrazine and Pb(II) from water using β -cyclodextrin functionalized cellulose: Characterization, adsorptive performance and mechanism exploration. <i>Journal of Hazardous Materials</i> , 2020, 400, 123142.	12.4	67
11	Simultaneous scavenging of Cd(II) and Pb(II) from water by sulfide-modified magnetic pinecone-derived hydrochar. <i>Journal of Cleaner Production</i> , 2022, 341, 130758.	9.3	64
12	Concurrent elimination and stepwise recovery of Pb(II) and bisphenol A from water using β -cyclodextrin modified magnetic cellulose: adsorption performance and mechanism investigation. <i>Journal of Hazardous Materials</i> , 2022, 432, 128758.	12.4	62
13	Microwave-assisted synthesis of β -cyclodextrin functionalized celluloses for enhanced removal of Pb(II) from water: Adsorptive performance and mechanism exploration. <i>Science of the Total Environment</i> , 2021, 752, 141854.	8.0	60
14	Magnetic porous biochar with high specific surface area derived from microwave-assisted hydrothermal and pyrolysis treatments of water hyacinth for Cr(VI) and tetracycline adsorption from water. <i>Bioresource Technology</i> , 2021, 340, 125692.	9.6	60
15	Enhanced removal of Cd(II) from water using sulfur-functionalized rice husk: Characterization, adsorptive performance and mechanism exploration. <i>Journal of Cleaner Production</i> , 2018, 183, 880-886.	9.3	58
16	Utilization of rice husks functionalized with xanthates as cost-effective biosorbents for optimal Cd(II) removal from aqueous solution via response surface methodology. <i>Bioresource Technology</i> , 2017, 241, 1036-1042.	9.6	52
17	Microwave-assisted one pot synthesis of β -cyclodextrin modified biochar for concurrent removal of Pb(II) and bisphenol a in water. <i>Carbohydrate Polymers</i> , 2020, 250, 117003.	10.2	50
18	One-pot synthesis of Ca-based magnetic hydrochar derived from consecutive hydrothermal and pyrolysis processing of bamboo for high-performance scavenging of Pb(II) and tetracycline from water. <i>Bioresource Technology</i> , 2022, 343, 126046.	9.6	49

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19	Microwave-assisted one-pot synthesis of β -cyclodextrin modified biochar for stabilization of Cd and Pb in soil. <i>Journal of Cleaner Production</i> , 2022, 346, 131165.	9.3	41
20	Multi-stage ranking of emergency technology alternatives for water source pollution accidents using a fuzzy group decision making tool. <i>Journal of Hazardous Materials</i> , 2016, 310, 68-81.	12.4	35
21	Characterization and mechanism analysis of tylosin biodegradation and simultaneous ammonia nitrogen removal with strain <i>Klebsiella pneumoniae</i> TN-1. <i>Bioresource Technology</i> , 2021, 336, 125342.	9.6	26
22	Characteristic variation and original analysis of emergent water source pollution accidents in China between 1985 and 2013. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19675-19685.	5.3	25
23	Two-step ball milling-assisted synthesis of N-doped biochar loaded with ferrous sulfide for enhanced adsorptive removal of Cr(VI) and tetracycline from water. <i>Environmental Pollution</i> , 2022, 306, 119398.	7.5	25
24	Removal of Cd(II) and anthracene from water by β -cyclodextrin functionalized magnetic hydrochar: Performance, mechanism and recovery. <i>Bioresource Technology</i> , 2021, 337, 125428.	9.6	24
25	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. <i>Journal of Hazardous Materials</i> , 2019, 379, 120804.	12.4	21
26	Efficient scavenging of aqueous Pb(II)/Cd(II) by sulfide-iron decorated biochar: Performance, mechanisms and reusability exploration. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107531.	6.7	21
27	A triangular fuzzy TOPSIS-based approach for the application of water technologies in different emergency water supply scenarios. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17277-17286.	5.3	15
28	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. <i>Journal of Cleaner Production</i> , 2019, 209, 834-845.	9.3	14
29	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. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2789-2801.	5.3	11
30	Pinecone-derived magnetic porous hydrochar co-activated by KHCO_3 and K_2FeO_4 for Cr(VI) and anthracene removal from water. <i>Environmental Pollution</i> , 2022, 306, 119457.	7.5	9
31	Study on the community structure and function of anaerobic granular sludge under trichloroethylene stress. <i>Ecotoxicology</i> , 2021, 30, 1408-1418.	2.4	7