Jiang Wan

List of Publications by Year
in descending order

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12 papers	364 citations	1040056 9 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	177 citing authors

#	Article	IF	Citations
1	Recent advances of carbon-based nano zero valent iron for heavy metals remediation in soil and water: A critical review. Journal of Hazardous Materials, 2022, 426, 127993.	12.4	100
2	Characterization and adsorption performance of biochars derived from three key biomass constituents. Fuel, 2020, 269, 117142.	6.4	51
3	Mixed bacteria-loaded biochar for the immobilization of arsenic, lead, and cadmium in a polluted soil system: Effects and mechanisms. Science of the Total Environment, 2022, 811, 152112.	8.0	47
4	Exploring different mechanisms of biochars in removing hexavalent chromium: Sorption, reduction and electron shuttle. Bioresource Technology, 2021, 337, 125382.	9.6	33
5	Computational study and optimization experiment of nZVI modified by anionic and cationic polymer for Cr(VI) stabilization in soil: Kinetics and response surface methodology (RSM). Environmental Pollution, 2021, 276, 116745.	7.5	32
6	Mechanistic insight and bifunctional study of a sulfide Fe3O4 coated biochar composite for efficient As(III) and Pb(II) immobilization in soils. Environmental Pollution, 2022, 293, 118587.	7.5	28
7	Simultaneous immobilization of arsenic, lead and cadmium by magnesium-aluminum modified biochar in mining soil. Journal of Environmental Management, 2022, 310, 114792.	7.8	27
8	Integrated structural and chemical analyses for HCl-supported hydrochar and their adsorption mechanisms for aqueous sulfachloropyridazine removal. Journal of Hazardous Materials, 2021, 417, 126009.	12.4	15
9	Adsorption dynamics and mechanism of Amoxicillin and Sulfachlorpyridazine by ZrOx/porous carbon nanocomposites. Journal of the Taiwan Institute of Chemical Engineers, 2019, 104, 65-74.	5.3	13
10	Removal of decabromodiphenyl ethane (DBDPE) by BC/nZVI in the soil: Kinetics, pathways and mechanisms. Journal of Environmental Chemical Engineering, 2022, 10, 107004.	6.7	10
11	A comparative study on various indicators for evaluating soil health of three biochar materials application. Journal of Cleaner Production, 2022, 343, 131085.	9.3	6
12	Is biochar a reliable catalyst for activating peroxydisulfate? Damage of biochar during catalytic process. Chemosphere, 2022, 303, 135240.	8.2	2