

Wei Xiang

List of Publications by Year in descending order

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15
papers

1,189
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

967
citing authors

#	ARTICLE	IF	CITATIONS
1	Straw and wood based biochar for CO ₂ capture: Adsorption performance and governing mechanisms. Separation and Purification Technology, 2022, 287, 120592.	7.9	67
2	Microwave biochars produced with activated carbon catalyst: Characterization and sorption of volatile organic compounds (VOCs). Science of the Total Environment, 2022, 827, 153996.	8.0	40
3	Co-pyrolysis biochar derived from sewage sludge and lignin: Synergetic effect and adsorption properties. Journal of Environmental Chemical Engineering, 2022, 10, 107898.	6.7	19
4	Microwave-assisted pyrolysis derived biochar for volatile organic compounds treatment: Characteristics and adsorption performance. Bioresource Technology, 2022, 355, 127274.	9.6	31
5	Preparation and evaluation of fine-tuned micropore biochar by lignin impregnation for CO ₂ and VOCs adsorption. Separation and Purification Technology, 2022, 295, 121295.	7.9	41
6	Effect of ball milling with hydrogen peroxide or ammonia hydroxide on sorption performance of volatile organic compounds by biochar from different pyrolysis temperatures. Chemical Engineering Journal, 2022, 450, 138027.	12.7	25
7	Ball milling biochar with ammonia hydroxide or hydrogen peroxide enhances its adsorption of phenyl volatile organic compounds (VOCs). Journal of Hazardous Materials, 2021, 403, 123540.	12.4	89
8	Microbial community structure analysis in a hybrid membrane bioreactor via high-throughput sequencing. Chemosphere, 2021, 282, 130989.	8.2	10
9	Enhanced adsorption performance and governing mechanisms of ball-milled biochar for the removal of volatile organic compounds (VOCs). Chemical Engineering Journal, 2020, 385, 123842.	12.7	176
10	Box-Behnken response surface approach to identify factors affecting membrane fouling in a hybrid membrane bioreactor treating domestic sewage. Environmental Science and Pollution Research, 2020, 27, 5446-5455.	5.3	5
11	Adsorption of acetone and cyclohexane onto CO ₂ activated hydrochars. Chemosphere, 2020, 245, 125664.	8.2	43
12	Adsorption of tetracycline hydrochloride onto ball-milled biochar: Governing factors and mechanisms. Chemosphere, 2020, 255, 127057.	8.2	146
13	Biochar technology in wastewater treatment: A critical review. Chemosphere, 2020, 252, 126539.	8.2	482
14	Purification effect and microorganisms diversity in an <i>Acorus calamus</i> constructed wetland on petroleum-containing wastewater. Environmental Pollutants and Bioavailability, 2020, 32, 19-25.	3.0	8
15	Effect on composition and quantity of extracellular polymeric substances in an innovative hybrid membrane bioreactor under different sludge retention times. Environmental Pollutants and Bioavailability, 2019, 31, 103-111.	3.0	7