

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