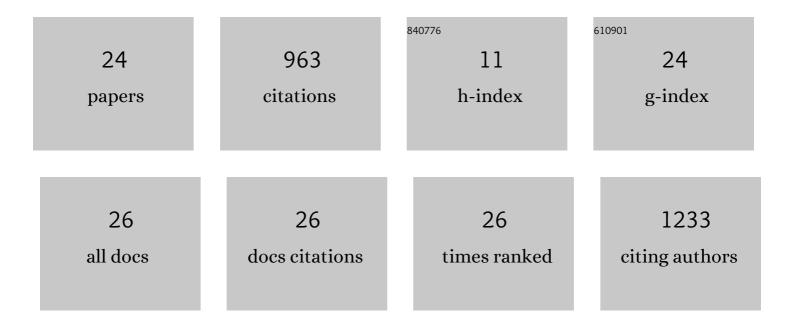
Wei Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Renewable hydrogen production from biogas using iron-based chemical looping technology. Chemical Engineering Journal, 2022, 429, 132192.	12.7	5
2	Excess Properties of and Simultaneous Effects of Important Parameters on CO ₂ Solubility in Binary Mixture of Water-Phosphonium Based-Deep Eutectic Solvents: Response Surface Methodology (RSM) and Taguchi Method. Energy & Fuels, 2022, 36, 1960-1972.	5.1	7
3	Hydrothermal treatment enhances the removal of antibiotic resistance genes, dewatering, and biogas production in antibiotic fermentation residues. Journal of Hazardous Materials, 2022, 435, 128901.	12.4	10
4	Start-up and performance evaluation of upflow anaerobic sludge blanket reactor treating supernatant of hydrothermally treated municipal sludge: Effect of initial organic loading rate. Biochemical Engineering Journal, 2021, 166, 107843.	3.6	13
5	Liquid Metal Shell as an Effective Iron Oxide Modifier for Redox-Based Hydrogen Production at Intermediate Temperatures. ACS Catalysis, 2021, 11, 10228-10238.	11.2	13
6	Combined hydrothermal treatment, pyrolysis, and anaerobic digestion for removal of antibiotic resistance genes and energy recovery from antibiotic fermentation residues. Bioresource Technology, 2021, 337, 125413.	9.6	23
7	Study on combustion characteristics and the migration of heavy metals during the co-combustion of oil sludge char and microalgae residue. Renewable Energy, 2020, 151, 648-658.	8.9	37
8	A short-cut chemical looping hydrogen generation system by using iron-based material from steel industry. Chemical Engineering Journal, 2020, 394, 124882.	12.7	12
9	Using High/Low WHSV Value to Uncover the Reaction Behavior between Methane and Iron Oxide in Packed Bed for Chemical Looping Hydrogen Generation Process. Industrial & Engineering Chemistry Research, 2020, 59, 3301-3309.	3.7	4
10	Effective Pretreatment of Heavy Metal-Contaminated Biomass Using a Low-Cost Ionic Liquid (Triethylammonium Hydrogen Sulfate): Optimization by Response Surface Methodology–Box Behnken Design. ACS Sustainable Chemistry and Engineering, 2019, 7, 11571-11581.	6.7	38
11	Growth and Nutrient Utilization of Green Algae in Batch and Semicontinuous Autotrophic Cultivation Under High CO2 Concentration. Applied Biochemistry and Biotechnology, 2019, 188, 836-853.	2.9	12
12	Opportunities and challenges in sustainable treatment and resource reuse of sewage sludge: A review. Chemical Engineering Journal, 2018, 337, 616-641.	12.7	510
13	Stepwise reduction kinetics of iron-based oxygen carriers by CO/CO2 mixture gases for chemical looping hydrogen generation. Journal of Material Cycles and Waste Management, 2017, 19, 453-462.	3.0	12
14	The reduction mechanism and kinetics of Fe2O3 by hydrogen for chemical-looping hydrogen generation. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1831-1838.	3.6	25
15	The behaviour of multiple reaction fronts during iron (III) oxide reduction in a non-steady state packed bed for chemical looping water splitting. Applied Energy, 2017, 193, 96-111.	10.1	23
16	Packed Bed Chemical Looping Platform: Design and Operation of 30kWth Pilot Unit. Procedia Environmental Sciences, 2016, 31, 81-90.	1.4	6
17	Performance and kinetics of iron-based oxygen carriers reduced by carbon monoxide for chemical looping combustion. Frontiers of Environmental Science and Engineering, 2015, 9, 1130-1138.	6.0	11
18	Chemical looping combustion: A new low-dioxin energy conversion technology. Journal of Environmental Sciences, 2015, 32, 135-145.	6.1	25

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19	Simultaneous CO2 capture and H2 generation using Fe2O3/Al2O3 and Fe2O3/CuO/Al2O3 as oxygen carriers in single packed bed reactor via chemical looping process. Frontiers of Environmental Science and Engineering, 2015, 9, 1117-1129.	6.0	8
20	Analysis of reduction stage of chemical looping packed bed reactor based on the reaction front distribution. Journal of Material Cycles and Waste Management, 2014, 16, 583-590.	3.0	8
21	Reactivity of Iron-based Oxygen Carriers Prepared by Wet and Dry Mixing Methods for Hydrogen Production Via Biomass Derived Syngas Chemical Looping. Energy Procedia, 2014, 61, 1650-1654.	1.8	7
22	Biogas production from supernatant of hydrothermally treated municipal sludge by upflow anaerobic sludge blanket reactor. Bioresource Technology, 2011, 102, 9904-9911.	9.6	49
23	Possible solutions for sludge dewatering in China. Frontiers of Environmental Science and Engineering in China, 2010, 4, 102-107.	0.8	95
24	Bioenergy recovery from landfill gas: A case study in China. Frontiers of Environmental Science and Engineering in China, 2009, 3, 20-31.	0.8	10