

Yimin Deng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reviewing Fundamental CO ₂ Adsorption Characteristics of Zeolite and Activated Carbon by <i>In-situ</i> Measurements With Radioactively Labelled CO ₂ . Separation and Purification Reviews, 2022, 51, 318-329.	5.5	8
2	Sustainable Solar Drying of Brewer's Spent Grains: A Comparison with Conventional Electric Convective Drying. Processes, 2022, 10, 339.	2.8	22
3	Fluidized Bed Technology: Challenges and Perspectives. IOP Conference Series: Earth and Environmental Science, 2022, 952, 012010.	0.3	2
4	Co-Al and Mn-Fe Catalytic Steam Reforming of CH ₃ OH to H ₂ . IOP Conference Series: Earth and Environmental Science, 2022, 952, 012007.	0.3	5
5	Hydrogen-enriched natural gas in a decarbonization perspective. Fuel, 2022, 318, 123680.	6.4	26
6	Water Splitting by MnOx/Na ₂ CO ₃ Reversible Redox Reactions. Sustainability, 2022, 14, 7597.	3.2	5
7	The steam-assisted calcination of limestone and dolomite for energy savings and to foster solar calcination processes. Journal of Cleaner Production, 2022, 363, 132640.	9.3	6
8	¹¹ C ¹⁸ O ₂ positron emission imaging reveals the in-situ gas concentration profile as function of time and position in opaque gas-solid contacting systems. Chemical Engineering Journal, 2021, 404, 126507.	12.7	10
9	Post-combustion carbon capture. Renewable and Sustainable Energy Reviews, 2021, 138, 110490.	16.4	219
10	Reviewing the thermo-chemical recycling of waste polyurethane foam. Journal of Environmental Management, 2021, 278, 111527.	7.8	82
11	Advances in rigid porous high temperature filters. Renewable and Sustainable Energy Reviews, 2021, 139, 110713.	16.4	28
12	Thermo-chemical water splitting: Selection of priority reversible redox reactions by multi-attribute decision making. Renewable Energy, 2021, 170, 800-810.	8.9	29
13	The Direct Reduction of Iron Ore with Hydrogen. Sustainability, 2021, 13, 8866.	3.2	40
14	The Need to Accurately Define and Measure the Properties of Particles. Standards, 2021, 1, 19-38.	1.4	10
15	Dense upflow fluidized bed (DUF _B) solar receivers of high aspect ratio: Different fluidization modes through inserting bubble rupture promoters. Chemical Engineering Journal, 2021, 418, 129376.	12.7	31
16	A new design approach for the established flow region of vertical, dilute-phase pneumatic conveyors. Particology, 2021, 66, 10-10.	3.6	1
17	From end-of-life tires to storable energy carriers. Journal of Environmental Management, 2020, 276, 111318.	7.8	11
18	Cleaner and sustainable processes for extracting phenolic compounds from bio-waste. Journal of Environmental Management, 2020, 273, 111154.	7.8	14

#	ARTICLE	IF	CITATIONS
19	Prospects and perspectives foster enhanced research on bio-aviation fuels. Journal of Environmental Management, 2020, 274, 111214.	7.8	37
20	Hydrogen Production: State of Technology. IOP Conference Series: Earth and Environmental Science, 2020, 544, 012011.	0.3	26
21	Biochar from Biomass Slow Pyrolysis. IOP Conference Series: Earth and Environmental Science, 2020, 586, 012001.	0.3	10
22	The "Screening Index" to Select Building-Scale Heating Systems. IOP Conference Series: Earth and Environmental Science, 2020, 586, 012004.	0.3	5
23	Reviewing the potential of bio-hydrogen production by fermentation. Renewable and Sustainable Energy Reviews, 2020, 131, 110023.	16.4	159
24	The chemical CO ₂ capture by carbonation-decarbonation cycles. Journal of Environmental Management, 2020, 260, 110054.	7.8	31
25	High temperature Mn ₂ O ₃ /Mn ₃ O ₄ and Co ₃ O ₄ /CoO systems for thermo-chemical energy storage. Journal of Environmental Management, 2020, 267, 110582.	7.8	21
26	Particles in a circulation loop for solar energy capture and storage. Particuology, 2019, 43, 149-156.	3.6	50
27	Flue Gas Desulphurization in Circulating Fluidized Beds. Energies, 2019, 12, 3908.	3.1	29
28	Challenges for Design Engineers in Sustainable Engineering. IOP Conference Series: Earth and Environmental Science, 0, 544, 012010.	0.3	3
29	Bio-energy Carriers as Back-up Fuel in Hybrid Solar Power Plants. IOP Conference Series: Earth and Environmental Science, 0, 544, 012012.	0.3	2