Yongliang Yan

List of Publications by Year
in descending order

11 papers	444 citations	933447 10 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	416 citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing the power of machine learning for carbon capture, utilisation, and storage (CCUS) â€" a state-of-the-art review. Energy and Environmental Science, 2021, 14, 6122-6157.	30.8	98
2	Developments in calcium/chemical looping and metal oxide redox cycles for high-temperature thermochemical energy storage: A review. Fuel Processing Technology, 2020, 199, 106280.	7.2	95
3	Process simulations of blue hydrogen production by upgraded sorption enhanced steam methane reforming (SE-SMR) processes. Energy Conversion and Management, 2020, 222, 113144.	9.2	72
4	Techno-economic analysis of low-carbon hydrogen production by sorption enhanced steam methane reforming (SE-SMR) processes. Energy Conversion and Management, 2020, 226, 113530.	9.2	56
5	Applying machine learning algorithms in estimating the performance of heterogeneous, multi-component materials as oxygen carriers for chemical-looping processes. Chemical Engineering Journal, 2020, 387, 124072.	12.7	48
6	Prediction of sorption enhanced steam methane reforming products from machine learning based soft-sensor models. Energy and AI, 2020, 2, 100037.	10.6	21
7	Green production of a novel sorbent from kaolin for capturing gaseous $PbCl_2$ in a furnace. Journal of Hazardous Materials, 2021, 404, 124045.	12.4	17
8	The Novel ncRNA OsiR Positively Regulates Expression of katE2 and is Required for Oxidative Stress Tolerance in Deinococcus radiodurans. International Journal of Molecular Sciences, 2020, 21, 3200.	4.1	12
9	Dynamic Transformations of Metals in the Burning Solid Matter during Combustion of Heavy Metal-Contaminated Biomass. ACS Sustainable Chemistry and Engineering, 2021, 9, 7063-7073.	6.7	12
10	Investigation of the apparent kinetics of air and oxy-fuel biomass combustion in a spout fluidised-bed reactor. Chemical Engineering Research and Design, 2020, 153, 276-283.	5.6	10
11	A Highly Glyphosate-Resistant EPSPS Mutant from Laboratory Evolution. Applied Sciences (Switzerland), 2022, 12, 5723.	2.5	3