Xiaoti Cui

List of Publications by Year
in descending order

15	458	759055 12	996849 15
papers	citations	h-index	g-index

15	15	15	444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Review of The Methanol Economy: The Fuel Cell Route. Energies, 2020, 13, 596.	1.6	123
2	A comparative study on three reactor types for methanol synthesis from syngas and CO2. Chemical Engineering Journal, 2020, 393, 124632.	6.6	54
3	Thermodynamic analysis of steam reforming and oxidative steam reforming of propane and butane for hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 13009-13021.	3.8	38
4	Thermodynamic Analyses of a Moderate-Temperature Process of Carbon Dioxide Hydrogenation to Methanol via Reverse Waterâ€“Gas Shift with In Situ Water Removal. Industrial & Engineering Chemistry Research, 2019, 58, 10559-10569.	1.8	35
5	Marketability analysis of green hydrogen production in Denmark: Scale-up effects on grid-connected electrolysis. International Journal of Hydrogen Energy, 2022, 47, 12443-12455.	3.8	28
6	Computational fluid dynamics simulations of direct contact heat and mass transfer of a multicomponent two-phase film flow in an inclined channel at sub-atmospheric pressure. International Journal of Heat and Mass Transfer, 2012, 55, 5808-5818.	2.5	27
7	In-situ experimental characterization of the clamping pressure effects on low temperature polymer electrolyte membrane electrolysis. International Journal of Hydrogen Energy, 2017, 42, 21597-21606.	3.8	25
8	Modeling and Design of a Multi-Tubular Packed-Bed Reactor for Methanol Steam Reforming over a Cu/ZnO/Al2O3 Catalyst. Energies, 2020, 13, 610.	1.6	24
9	Energy analysis and surrogate modeling for the green methanol production under dynamic operating conditions. Fuel, 2022, 307, 121924.	3.4	22
10	The effects of cationic impurities on the performance of proton exchange membrane water electrolyzer. Journal of Power Sources, 2020, 473, 228617.	4.0	17
11	Investment opportunities: Hydrogen production or BTC mining?. International Journal of Hydrogen Energy, 2022, 47, 5733-5744.	3.8	15
12	The role of effectiveness factor on the modeling of methanol steam reforming over CuO/ZnO/Al2O3 catalyst in a multi-tubular reactor. International Journal of Hydrogen Energy, 2022, 47, 8700-8715.	3.8	14
13	Two-dimensional thermal analysis of radial heat transfer of monoliths in small-scale steam methane reforming. International Journal of Hydrogen Energy, 2018, 43, 11952-11968.	3.8	13
14	Experimental study of direct contact steam condensation in structured packing. Asia-Pacific Journal of Chemical Engineering, 2013, 8, 657-664.	0.8	12
15	Comparison between 1D and 2D numerical models of a multi-tubular packed-bed reactor for methanol steam reforming. International Journal of Hydrogen Energy, 2022, 47, 22704-22719.	3.8	11