

Wenting Hu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

567
citations

759055

12
h-index

839398

18
g-index

20
all docs

20
docs citations

20
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the thermal and chemical expansion and stability of $\text{La}_{0.6}\text{Sr}_{0.4}\text{FeO}_3$. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121838.	1.4	7
2	Production of high purity H_2 through chemical-looping water-gas shift at reforming temperatures. The importance of non-stoichiometric oxygen carriers. <i>Chemical Engineering Journal</i> , 2021, 423, 130174.	6.6	16
3	Dendritic silver self-assembly in molten-carbonate membranes for efficient carbon dioxide capture. <i>Energy and Environmental Science</i> , 2020, 13, 1766-1775.	15.6	15
4	H_2 production from partial oxidation of CH_4 by Fe_2O_3 -supported Ni-based catalysts in a plasma-assisted packed bed reactor. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 5481-5488.	2.4	13
5	A thermogravimetric method for the measurement of CO/CO_2 ratio at the surface of carbon during combustion. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 2987-2993.	2.4	9
6	Pyrolysis of wood pellets in the presence of oxygen carriers in a fluidised bed coupled with a DBD reactor for tar quantification. <i>Chemical Engineering Journal</i> , 2019, 355, 858-870.	6.6	13
7	Overcoming chemical equilibrium limitations using a thermodynamically reversible chemical reactor. <i>Nature Chemistry</i> , 2019, 11, 638-643.	6.6	53
8	Phase interactions in Ni-Cu- Al_2O_3 mixed oxide oxygen carriers for chemical looping applications. <i>Applied Energy</i> , 2019, 236, 635-647.	5.1	33
9	Exploration of the material property space for chemical looping air separation applied to carbon capture and storage. <i>Applied Energy</i> , 2018, 212, 478-488.	5.1	26
10	An investigation into the stability and use of non-stoichiometric $\text{YBaCo}_4\text{O}_{7+\delta}$ for oxygen enrichment processes. <i>Solid State Ionics</i> , 2018, 320, 292-296.	1.3	1
11	The use of strontium ferrite in chemical looping systems. <i>Applied Energy</i> , 2018, 223, 369-382.	5.1	65
12	Large scale in silico screening of materials for carbon capture through chemical looping. <i>Energy and Environmental Science</i> , 2017, 10, 818-831.	15.6	67
13	The combustion of solid paraffin wax and of liquid glycerol in a fluidised bed. <i>Fuel</i> , 2017, 199, 447-455.	3.4	11
14	Use of a Chemical-Looping Reaction to Determine the Residence Time Distribution of Solids in a Circulating Fluidized Bed. <i>Energy Technology</i> , 2016, 4, 1230-1236.	1.8	2
15	The interaction between CuO and Al_2O_3 and the reactivity of copper aluminates below 1000°C and their implication on the use of the Cu-Al-O system for oxygen storage and production. <i>RSC Advances</i> , 2016, 6, 113016-113024.	1.7	55
16	Kinetics of oxygen uncoupling of a copper based oxygen carrier. <i>Applied Energy</i> , 2016, 161, 92-100.	5.1	50
17	Characteristics of Copper-based Oxygen Carriers Supported on Calcium Aluminates for Chemical-Looping Combustion with Oxygen Uncoupling (CLOU). <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 6713-6723.	1.8	22
18	Inhibiting the interaction between FeO and Al_2O_3 during chemical looping production of hydrogen. <i>RSC Advances</i> , 2015, 5, 1759-1771.	1.7	72

#	ARTICLE	IF	CITATIONS
19	Simultaneous Separation of Inorganic Cations and Anions by Ion Chromatography Using a Single Column Coated with Weak/Strong-Charged Zwitterionic Bile Salt Micelles. <i>Analytical Chemistry</i> , 1994, 66, 765-767.	3.2	33
20	Impact of Gasâ€“Solid Reaction Thermodynamics on the Performance of a Chemical Looping Ammonia Synthesis Process. <i>Energy & Fuels</i> , 0, , .	2.5	4