

Patrick Moldenhauer

List of Publications by Year in descending order

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16
papers

842
citations

623188

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940134

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docs citations

16
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical-looping technologies using circulating fluidized bed systems: Status of development. <i>Fuel Processing Technology</i> , 2018, 172, 1-12.	3.7	172
2	Measuring attrition resistance of oxygen carrier particles for chemical looping combustion with a customized jet cup. <i>Powder Technology</i> , 2014, 256, 75-86.	2.1	143
3	Chemical-looping combustion and chemical-looping with oxygen uncoupling of kerosene with Mn- and Cu-based oxygen carriers in a circulating fluidized-bed 300W laboratory reactor. <i>Fuel Processing Technology</i> , 2012, 104, 378-389.	3.7	82
4	Chemical-looping combustion and chemical-looping reforming of kerosene in a circulating fluidized-bed 300W laboratory reactor. <i>International Journal of Greenhouse Gas Control</i> , 2012, 9, 1-9.	2.3	62
5	Testing of minerals and industrial by-products as oxygen carriers for chemical-looping combustion in a circulating fluidized-bed 300W laboratory reactor. <i>Fuel</i> , 2012, 93, 351-363.	3.4	59
6	The use of ilmenite as oxygen carrier with kerosene in a 300 W CLC laboratory reactor with continuous circulation. <i>Applied Energy</i> , 2014, 113, 1846-1854.	5.1	58
7	Applying machine learning algorithms in estimating the performance of heterogeneous, multi-component materials as oxygen carriers for chemical-looping processes. <i>Chemical Engineering Journal</i> , 2020, 387, 124072.	6.6	48
8	Chemical-looping combustion with heavy liquid fuels in a 10 kW pilot plant. <i>Fuel Processing Technology</i> , 2017, 156, 124-137.	3.7	39
9	Chemical-Looping Combustion with Fuel Oil in a 10 kW Pilot Plant. <i>Energy & Fuels</i> , 2014, 28, 5978-5987.	2.5	37
10	Avoiding CO ₂ capture effort and cost for negative CO ₂ emissions using industrial waste in chemical-looping combustion/gasification of biomass. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2020, 25, 1-24.	1.0	36
11	Chemical-looping combustion of synthetic biomass-volatiles with manganese-ore oxygen carriers. <i>International Journal of Greenhouse Gas Control</i> , 2018, 71, 239-252.	2.3	30
12	Chemical-Looping Combustion of Kerosene and Gaseous Fuels with a Natural and a Manufactured Mn-Fe-Based Oxygen Carrier. <i>Energy & Fuels</i> , 2018, 32, 8803-8816.	2.5	25
13	Chemical-Looping Combustion with Liquid Fuels. <i>Energy Procedia</i> , 2013, 37, 654-661.	1.8	23
14	Oxygen Carrier Development of Calcium Manganite-Based Materials with Perovskite Structure for Chemical-Looping Combustion of Methane. <i>Energy Technology</i> , 2020, 8, 2000069.	1.8	16
15	Influence of heat treatment on manganese ores as oxygen carriers. <i>International Journal of Greenhouse Gas Control</i> , 2019, 87, 238-245.	2.3	7
16	Using Mn-Si oxygen carriers supported with CaO or Al ₂ O ₃ for converting methane and syngas in chemical-looping with oxygen uncoupling (CLOU). <i>Fuel Processing Technology</i> , 2020, 201, 106315.	3.7	5