

Samuel Bayham

List of Publications by Year in descending order

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papers

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citations

1040056

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13
docs citations

13
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing Gas Turbine-Generator Performance of the Hybrid Power System. IEEE Transactions on Power Systems, 2022, 37, 543-550.	6.5	0
2	Development of CuFeMnAlO ₄ oxygen carrier with high attrition resistance and 50-kWth methane/air chemical looping combustion tests. Applied Energy, 2021, 286, 116507.	10.1	11
3	Operation of a 50-kWth chemical looping combustion test facility under autothermal conditions. International Journal of Greenhouse Gas Control, 2019, 87, 211-220.	4.6	13
4	50-kWth methane/air chemical looping combustion tests with commercially prepared CuO-Fe ₂ O ₃ -alumina oxygen carrier with two different techniques. Applied Energy, 2018, 213, 92-99.	10.1	40
5	Cyber-Physical Observer for Fluidized Bed-Chemical Looping Control Applications. , 2017, , .		0
6	Insights into the Adsorption of Carbon Dioxide in the Presence of Water Vapor Utilizing a Low Molecular Weight Polyethylenimine-Impregnated CARiACT Silica Sorbent. Industrial & Engineering Chemistry Research, 2017, 56, 9054-9064.	3.7	10
7	Chemical Looping Combustion of Hematite Ore with Methane and Steam in a Fluidized Bed Reactor. Energies, 2017, 10, 1179.	3.1	5
8	Parametric and dynamic studies of an iron-based 25-kWth coal direct chemical looping unit using sub-bituminous coal. Applied Energy, 2015, 145, 354-363.	10.1	58
9	Iron oxide looping for natural gas conversion in a countercurrent moving bed reactor. Applied Energy, 2015, 157, 338-347.	10.1	44
10	Iron-based syngas chemical looping process and coal-direct chemical looping process development at Ohio State University. Applied Energy, 2014, 113, 1836-1845.	10.1	167
11	Conversion of metallurgical coke and coal using a Coal Direct Chemical Looping (CDCL) moving bed reactor. Applied Energy, 2014, 118, 300-308.	10.1	52
12	Coal direct chemical looping combustion process: Design and operation of a 25-kWth sub-pilot unit. Fuel, 2013, 108, 370-384.	6.4	118
13	Conversion of Woody Biomass Materials by Chemical Looping Process—Kinetics, Light Tar Cracking, and Moving Bed Reactor Behavior. Industrial & Engineering Chemistry Research, 2013, 52, 14116-14124.	3.7	20