

Muhammad Akram

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

231
citations

1040056

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996975

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15
docs citations

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times ranked

227
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of PACT Pilot-plant for CO ₂ capture from gas turbines with Exhaust Gas Recycle. <i>International Journal of Greenhouse Gas Control</i> , 2016, 47, 137-150.	4.6	51
2	Vinasse – A potential biofuel – Cofiring with coal in a fluidised bed combustor. <i>Fuel</i> , 2015, 158, 1006-1015.	6.4	29
3	Flexible operation of post-combustion CO ₂ capture at pilot scale with demonstration of capture-efficiency control using online solvent measurements. <i>International Journal of Greenhouse Gas Control</i> , 2018, 71, 253-277.	4.6	23
4	An improved kinetic modelling of woody biomass gasification in a downdraft reactor based on the pyrolysis gas evolution. <i>Energy Conversion and Management</i> , 2022, 258, 115495.	9.2	21
5	Co-firing of pressed sugar beet pulp with coal in a laboratory-scale fluidised bed combustor. <i>Applied Energy</i> , 2015, 139, 1-8.	10.1	20
6	Bioenergy with carbon capture and storage (BECCS) potential in jet fuel production from forestry residues: A combined Techno-Economic and Life Cycle Assessment approach. <i>Energy Conversion and Management</i> , 2022, 255, 115346.	9.2	20
7	Performance evaluation and optimisation of post combustion CO ₂ capture processes for natural gas applications at pilot scale via a verified rate-based model. <i>International Journal of Greenhouse Gas Control</i> , 2016, 53, 243-253.	4.6	18
8	DFT Studies on Thermal and Oxidative Degradation of Monoethanolamine. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15214-15225.	3.7	12
9	Geology and combustion perspectives of Pakistani coals from Salt Range and Trans Indus Range. <i>International Journal of Coal Geology</i> , 2016, 168, 202-213.	5.0	11
10	Investigation into simulating Selective Exhaust Gas Recirculation and varying Pressurized Hot Water temperature on the performance of the Pilot-scale Advanced CO ₂ Capture Plant with 40 wt(%) MEA. <i>International Journal of Greenhouse Gas Control</i> , 2021, 107, 103287.	4.6	10
11	Benchmarking of a micro gas turbine model integrated with post-combustion CO ₂ capture. <i>Energy</i> , 2017, 126, 475-487.	8.8	7
12	Effect of fuel characteristics and operating conditions on NO _x emissions during fluidised bed combustion of high moisture biomass with coal. <i>Journal of the Energy Institute</i> , 2013, 86, 177-186.	5.3	5
13	Application of Raman spectroscopy to real-time monitoring of CO ₂ capture at PACT pilot plant; Part 1: Plant operational data. <i>International Journal of Greenhouse Gas Control</i> , 2020, 95, 102969.	4.6	2
14	Controlling capture plants to avoid CO ₂ emissions penalties during peak load demand. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103285.	4.6	1
15	The effect of biomass ashes and potassium salts on MEA degradation for BECCS. <i>International Journal of Greenhouse Gas Control</i> , 2021, 108, 103305.	4.6	1