

Mohanned Mohamedali

List of Publications by Year in descending order

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16
papers

518
citations

759233

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1058476

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19
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Incorporation of acetate-based ionic liquids into a zeolitic imidazolate framework (ZIF-8) as efficient sorbents for carbon dioxide capture. <i>Chemical Engineering Journal</i> , 2018, 334, 817-828.	12.7	144
2	Dissociation Constant (pK_a) and Thermodynamic Properties of Some Tertiary and Cyclic Amines from (298 to 333) K. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 247-254.	1.9	44
3	Imidazolium based ionic liquids confined into mesoporous silica MCM-41 and SBA-15 for carbon dioxide capture. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109916.	4.4	42
4	Experimental solubility and thermodynamic modeling of CO ₂ in four new imidazolium and pyridinium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2016, 419, 67-74.	2.5	41
5	Markedly improved CO ₂ uptake using imidazolium-based ionic liquids confined into HKUST-1 frameworks. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 98-110.	4.4	39
6	Recent Advances in Supported Metal Catalysts for Syngas Production from Methane. <i>ChemEngineering</i> , 2018, 2, 9.	2.4	38
7	Development of in situ polymerized amines into mesoporous silica for direct air CO ₂ capture. <i>Chemical Engineering Journal</i> , 2022, 447, 137465.	12.7	33
8	Investigation of CO ₂ capture using acetate-based ionic liquids incorporated into exceptionally porous metal-organic frameworks. <i>Adsorption</i> , 2019, 25, 675-692.	3.0	24
9	Challenges and prospects for the photocatalytic liquefaction of methane into oxygenated hydrocarbons. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 110024.	16.4	23
10	Review of Recent Developments in CO ₂ Capture Using Solid Materials: Metal Organic Frameworks (MOFs). , 0, , .		17
11	Evaluation of supported multi-functionalized amino acid ionic liquid-based sorbents for low temperature CO ₂ capture. <i>Fuel</i> , 2022, 310, 122284.	6.4	16
12	Thermodynamic Analysis of Autothermal Reforming of Synthetic Crude Glycerol (SCG) for Hydrogen Production. <i>ChemEngineering</i> , 2017, 1, 4.	2.4	15
13	Recent progress in the development of synthetic oxygen carriers for chemical looping combustion applications. <i>Catalysis Today</i> , 2023, 407, 21-51.	4.4	14
14	CuO/ZrO ₂ modified by WO ₃ oxygen carriers for chemical looping with oxygen uncoupling. <i>Fuel</i> , 2022, 310, 122288.	6.4	10
15	The effects of WO ₃ addition to NiO/ZrO ₂ oxygen carriers for chemical looping combustion of methane. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106945.	6.7	8
16	Hydrogen Production from Oxygenated Hydrocarbons: Review of Catalyst Development, Reaction Mechanism and Reactor Modeling. , 2017, , 1-76.		2