

Rabya Aslam

List of Publications by Year in descending order

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22
papers

474
citations

687363

13
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenation of the liquid organic hydrogen carrier compound dibenzyltoluene " reaction pathway determination by ¹ H NMR spectroscopy. Reaction Chemistry and Engineering, 2016, 1, 313-320.	3.7	87
2	Experimental assessment of the degree of hydrogen loading for the dibenzyl toluene based LOHC system. International Journal of Hydrogen Energy, 2016, 41, 22097-22103.	7.1	72
3	Measurement of Hydrogen Solubility in Potential Liquid Organic Hydrogen Carriers. Journal of Chemical & Engineering Data, 2016, 61, 643-649.	1.9	46
4	Thermophysical Studies of Dibenzyltoluene and Its Partially and Fully Hydrogenated Derivatives. Journal of Chemical & Engineering Data, 2018, 63, 4580-4587.	1.9	36
5	Recent Progress in Textile-Based Flexible Supercapacitor. Frontiers in Materials, 2020, 7, .	2.4	31
6	Biodiesel production intensification through microbubble mediated esterification. Fuel, 2019, 253, 25-31.	6.4	27
7	Composite zeolite beta catalysts for catalytic hydrocracking of plastic waste to liquid fuels. Materials for Renewable and Sustainable Energy, 2020, 9, 1.	3.6	26
8	Integration of hydrogenation and dehydrogenation system for hydrogen storage and electricity generation " simulation study. International Journal of Hydrogen Energy, 2019, 44, 20213-20222.	7.1	25
9	Simulation Study to Investigate the Effects of Operational Conditions on Methylcyclohexane Dehydrogenation for Hydrogen Production. Energies, 2020, 13, 206.	3.1	23
10	Dehydrogenation-hydrogenation of methylcyclohexane-toluene system on 1.0 wt% Pt/zeolite beta catalyst. Progress in Reaction Kinetics and Mechanism, 2015, 40, 353-366.	2.1	18
11	Development of a liquid chromatographic method for the separation of a liquid organic hydrogen carrier mixture. Separation and Purification Technology, 2016, 163, 140-144.	7.9	17
12	Conversion of poultry-fat waste to a sustainable feedstock for biodiesel production via microbubble injection of reagent vapor. Journal of Cleaner Production, 2021, 311, 127525.	9.3	17
13	Experimental Study of Solubility of Water in Liquid Organic Hydrogen Carriers. Journal of Chemical & Engineering Data, 2015, 60, 1997-2002.	1.9	13
14	An exclusive kinetic model for the methylcyclohexane dehydrogenation over alumina-supported Pt catalysts. International Journal of Chemical Kinetics, 2020, 52, 415-449.	1.6	11
15	A comparative study of LHHW and ER kinetic models for NO oxidation over Co ₃ O ₄ catalyst. Journal of Environmental Chemical Engineering, 2016, 4, 2871-2877.	6.7	9
16	Dehydrogenation of Methylcyclohexane for On-Board Hydrogen Use: Initial Rate Kinetics Over 1.0 wt% Pt/ γ -Al ₂ O ₃ . Arabian Journal for Science and Engineering, 2014, 39, 615-620.	1.1	7
17	Poly(vinyl alcohol): An Economical Substitute to Calcium Lignosulphonate for PVC/PET Separation by Froth Flotation. Asian Journal of Chemistry, 2013, 25, 7509-7512.	0.3	3
18	Densities and Thermal Expansion Coefficients of Pure Methylcyclohexane, 1-Methylcyclohexene, 4-Methylcyclohexene, 1-Methyl-1,4-cyclohexadiene, and Toluene and Binary Mixtures of Methylcyclohexane and Toluene at 283.15ÅK to 358.15ÅK and 1Åatm. International Journal of Thermophysics, 2020, 41, 1.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Separation of Aeruginosin-865 from Cultivated Soil Cyanobacterium (Nostoc sp.) by Centrifugal Partition Chromatography combined with Gel Permeation Chromatography. Natural Product Communications, 2015, 10, 1934578X1501001.	0.5	1
20	Water Removal from LOHC Systems. Hydrogen, 2020, 1, 1-10.	3.4	1
21	Experimental Measurement and Correlations of High Pressure Density Data for potential Liquid Organic Hydrogen Carriers. International Journal of Thermophysics, 2021, 42, 1.	2.1	1
22	Correction to "Thermophysical Studies of Dibenzyltoluene and Its Partially and Fully Hydrogenated Derivatives". Journal of Chemical & Engineering Data, 2021, 66, 858-858.	1.9	0