

Ayyaz Muhammad

List of Publications by Year in descending order

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18
papers

705
citations

1040056

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996975

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docs citations

18
times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermophysical properties of 1-hexyl-3-methyl imidazolium based ionic liquids with tetrafluoroborate, hexafluorophosphate and bis(trifluoromethylsulfonyl)imide anions. Journal of Chemical Thermodynamics, 2008, 40, 1433-1438.	2.0	200
2	Enhanced photocatalytic carbon dioxide reforming of methane to fuels over nickel and montmorillonite supported TiO ₂ nanocomposite under UV-light using monolith photoreactor. Journal of Cleaner Production, 2019, 213, 451-461.	9.3	93
3	Template free synthesis of graphitic carbon nitride nanotubes mediated by lanthanum (La/g-CNT) for selective photocatalytic CO ₂ reduction via dry reforming of methane (DRM) to fuels. Applied Surface Science, 2020, 504, 144177.	6.1	83
4	Cu-NPs embedded 1D/2D CNTs/pCN heterojunction composite towards enhanced and continuous photocatalytic CO ₂ reduction to fuels. Applied Surface Science, 2019, 485, 450-461.	6.1	77
5	Viscosity, Refractive Index, Surface Tension, and Thermal Decomposition of Aqueous N-Methyldiethanolamine Solutions from (298.15 to 338.15) K. Journal of Chemical & Engineering Data, 2008, 53, 2226-2229.	1.9	67
6	Thermophysical Properties of Aqueous Piperazine and Aqueous (N-Methyldiethanolamine +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2009, 54, 2317-2321.	1.9	57
7	Simulation based improvement techniques for acid gases sweetening by chemical absorption: A review. International Journal of Greenhouse Gas Control, 2015, 37, 481-491.	4.6	38
8	Correlating the additional amine sweetening cost to acid gases load in natural gas using Aspen Hysys. Journal of Natural Gas Science and Engineering, 2014, 17, 119-130.	4.4	27
9	Density and Excess Properties of Aqueous N-Methyldiethanolamine Solutions from (298.15 to) Tj ETQq1 1 0,784314 rgBT /Over 25	1.9	25
10	Preparation and characterisation of Citrus colocythis oil biodiesel: Optimisation of alkali catalysed transesterification. Canadian Journal of Chemical Engineering, 2014, 92, 435-440.	1.7	9
11	Ionic Liquid (1-Butyl-3-Methylimidazolium Methane Sulphonate) Corrosion and Energy Analysis for High Pressure CO ₂ Absorption Process. Processes, 2018, 6, 45.	2.8	7
12	Torrefaction and Thermochemical Properties of Agriculture Residues. Energies, 2021, 14, 4218.	3.1	7
13	Thermal and kinetic analysis of pure and contaminated ionic liquid: 1-butyl-2.3-dimethylimidazolium chloride (BDMIMCl). Polish Journal of Chemical Technology, 2016, 18, 122-125.	0.5	5
14	An alkali catalyzed trans-esterification of rice bran, cottonseed and waste cooking oil. Hemijaska Industrija, 2014, 68, 347-355.	0.7	4
15	New completion time algorithms for sequence based scheduling in multiproduct batch processes using matrix. Chemical Engineering Research and Design, 2008, 86, 1167-1181.	5.6	3
16	Effect of variable reflux ratio on binary distillation in a laboratory scale distillation column. , 2010, , .		2
17	Experimental solubility of CO ₂ and CH ₄ in imidazolium based ionic liquid; [C ₆ mim][BF ₄] at high pressures. , 2010, , .		1
18	More on Completion Time Algorithms for Intermediate Storage Tanks in Multiproduct Batch Process Scheduling Using Matrix Representation. Industrial & Engineering Chemistry Research, 2008, 47, 9957-9970.	3.7	0