

Ayyaz Muhammad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10411286/publications.pdf>

Version: 2024-02-01

18
papers

705
citations

1040056

9
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	Torrefaction and Thermochemical Properties of Agriculture Residues. <i>Energies</i> , 2021, 14, 4218.	3.1	7
2	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. <i>Applied Surface Science</i> , 2020, 504, 144177.	6.1	83
3	Cu-NPs embedded 1D/2D CNTs/pCN heterojunction composite towards enhanced and continuous photocatalytic CO ₂ reduction to fuels. <i>Applied Surface Science</i> , 2019, 485, 450-461.	6.1	77
4	Enhanced photocatalytic carbon dioxide reforming of methane to fuels over nickel and montmorillonite supported TiO ₂ nanocomposite under UV-light using monolith photoreactor. <i>Journal of Cleaner Production</i> , 2019, 213, 451-461.	9.3	93
5	Ionic Liquid (1-Butyl-3-Methylimidazolium Methane Sulphonate) Corrosion and Energy Analysis for High Pressure CO ₂ Absorption Process. <i>Processes</i> , 2018, 6, 45.	2.8	7
6	Thermal and kinetic analysis of pure and contaminated ionic liquid: 1-butyl-2.3-dimethylimidazolium chloride (BDMIMCl). <i>Polish Journal of Chemical Technology</i> , 2016, 18, 122-125.	0.5	5
7	Simulation based improvement techniques for acid gases sweetening by chemical absorption: A review. <i>International Journal of Greenhouse Gas Control</i> , 2015, 37, 481-491.	4.6	38
8	Correlating the additional amine sweetening cost to acid gases load in natural gas using Aspen Hysys. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 17, 119-130.	4.4	27
9	Preparation and characterisation of <i>Citrus colocythis</i> oil biodiesel: Optimisation of alkali catalysed transesterification. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 435-440.	1.7	9
10	An alkali catalyzed trans-esterification of rice bran, cottonseed and waste cooking oil. <i>Hemijaska Industrija</i> , 2014, 68, 347-355.	0.7	4
11	Experimental solubility of CO ₂ and CH ₄ in imidazolium based ionic liquid; [C ₆ mim][BF ₄] at high pressures. , 2010, , .		1
12	Effect of variable reflux ratio on binary distillation in a laboratory scale distillation column. , 2010, , .		2
13	Thermophysical Properties of Aqueous Piperazine and Aqueous (<i>N</i> -Methyldiethanolamine +) Tj ETQq1 1 0.784314 rgBT /Overlo 2009, 54, 2317-2321.	1.9	57
14	Thermophysical properties of 1-hexyl-3-methyl imidazolium based ionic liquids with tetrafluoroborate, hexafluorophosphate and bis(trifluoromethylsulfonyl)imide anions. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1433-1438.	2.0	200
15	New completion time algorithms for sequence based scheduling in multiproduct batch processes using matrix. <i>Chemical Engineering Research and Design</i> , 2008, 86, 1167-1181.	5.6	3
16	Viscosity, Refractive Index, Surface Tension, and Thermal Decomposition of Aqueous <i>N</i> -Methyldiethanolamine Solutions from (298.15 to 338.15) K. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2226-2229.	1.9	67
17	Density and Excess Properties of Aqueous <i>N</i> -Methyldiethanolamine Solutions from (298.15 to) Tj ETQq1 1 0.784314 rgBT /Overlo 25	1.9	25
18	More on Completion Time Algorithms for Intermediate Storage Tanks in Multiproduct Batch Process Scheduling Using Matrix Representation. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 9957-9970.	3.7	0