Ramesh Singh

List of Publications by Year
in descending order

8 papers	77 citations	1684188 5 h-index	1588992 8 g-index
8 all docs	8 docs citations	8 times ranked	116 citing authors

#	Article	IF	Citations
1	A Monte Carlo Simulation Study To Predict the Solubility of Carbon Dioxide, Hydrogen, and Their Mixture in the Ionic Liquids 1-Alkyl-3-methylimidazolium bis(trifluoromethanesulfonyl)amide ([C_nmim⁺][Tf₂N^{â€“}], n = 4, 6). Industrial & Engineering Chemistry Research, 2015, 54, 4385-4395.	3.7	21
2	Effect of CO2 and H2O on the behavior of shale gas confined inside calcite [104] slit-like nanopore: a molecular dynamics simulation study. Journal of Molecular Modeling, 2019, 25, 293.	1.8	18
3	Molecular dynamics simulation of shale gas confined inside slit-like calcite [104] nanopore. Molecular Simulation, 2019, 45, 104-110.	2.0	12
4	COSMO-RS Analysis of CO₂ Solubility in N-Methyldiethanolamine, Sulfolane, and 1-Butyl-3-methyl-imidazolium Acetate Activated by 2-Methylpiperazine for Postcombustion Carbon Capture. ACS Omega, 2021, 6, 747-761.	3.5	10
5	Utilizing Simtronics, a chemical engineering process simulation software, in chemical engineering coursework to reduce the skills gap. Computer Applications in Engineering Education, 2019, 27, 519-525.	3.4	5
6	Thermodynamic analysis using COSMO-RS studies of reversible ionic liquid 3-aminopropyl triethoxysilane blended with amine activators for CO2 absorption. Journal of Molecular Liquids, 2021, 324, 114713.	4.9	5
7	Size effect of oscillating columns on mixing: A CFD study. European Journal of Mechanics, B/Fluids, 2019, 77, 230-238.	2.5	4
8	A Monte Carlo simulation study to predict the solubility of H₂S in ionic liquids with 1-butyl-3-methylimidazolium ([C₄mim⁺]) cation and tetrafluoroborate ([BF₄^{â^’}]), hexaflorophosphate ([PF₆^{â^’}]) and bis(trifluoromethanesulfonyl)amide ([Tf₂N^{â^’}]) anions. Molecular Simulation, 2017, 43, 291-297.	2.0	2