List of Publications by Year in descending order

16 papers	864 citations	932766 10 h-index	940134 16 g-index
16 all docs	16 docs citations	16 times ranked	860 citing authors

#	Article	IF	Citations
1	Computational Screening of Physical Solvents for CO₂ Pre-combustion Capture. Journal of Physical Chemistry B, 2021, 125, 13467-13481.	1.2	9
2	Levelized Cost of CO2 Captured Using Five Physical Solvents in Pre-combustion Applications. International Journal of Greenhouse Gas Control, 2020, 101, 103135.	2.3	29
3	Foaming Dependence on the Interface Affinities of Surfactant-like Molecules. Industrial & Engineering Chemistry Research, 2019, 58, 19877-19889.	1.8	7
4	Effect of Molecular Structure on the CO2 Separation Properties of Hydrophobic Solvents Consisting of Grafted Poly Ethylene Glycol and Poly Dimethylsiloxane Units. Energy & Fuels, 2019, 33, 4432-4441.	2.5	8
5	Molecular Simulations of CO₂ and H₂ Solubility, CO₂ Diffusivity, and Solvent Viscosity at 298 K for 27 Commercially Available Physical Solvents. Journal of Chemical & Engineering Data, 2019, 64, 3682-3692.	1.0	9
6	Molecular Modeling of the Physical Properties for Aqueous Amine Solution Containing a CO₂ Hydration Catalyst. Industrial & Engineering Chemistry Research, 2017, 56, 11644-11651.	1.8	3
7	Molecular Simulations of the Thermophysical Properties of Polyethylene Glycol Siloxane (PEGS) Solvent for Precombustion CO₂ Capture. Journal of Physical Chemistry C, 2016, 120, 20158-20169.	1.5	13
8	Molecular Simulations of CO₂, H₂, H₂O, and H₂S Gas Absorption into Hydrophobic Poly(dimethylsiloxane) (PDMS) Solvent: Solubility and Surface Tension. Journal of Physical Chemistry C, 2015, 119, 19253-19265.	1.5	32
9	Contribution of the Acetate Anion to CO₂ Solubility in Ionic Liquids: Theoretical Method Development and Experimental Study. Journal of Physical Chemistry B, 2014, 118, 7383-7394.	1.2	42
10	Theoretical and Experimental Studies of CO₂ and H₂ Separation Using the 1-Ethyl-3-methylimidazolium Acetate ([emim][CH₃COO]) Ionic Liquid. Journal of Physical Chemistry B, 2012, 116, 283-295.	1.2	70
11	Molecular Simulations of CO₂ and H₂ Sorption into Ionic Liquid 1-n-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide ([hmim][Tf₂N]) Confined in Carbon Nanotubes. Journal of Physical Chemistry B, 2010, 114, 15029-15041.	1.2	65
12	Molecular Simulations and Experimental Studies of Solubility and Diffusivity for Pure and Mixed Gases of H₂, CO₂, and Ar Absorbed in the Ionic Liquid 1-n-Hexyl-3-methylimidazolium Bis(Trifluoromethylsulfonyl)amide ([hmim][Tf₂N]). Journal of Physical Chemistry B, 2010, 114, 6531-6541.	1.2	62
13	Molecular Simulation and Regular Solution Theory Modeling of Pure and Mixed Gas Absorption in the Ionic Liquid 1-n-Hexyl-3-methylimidazolium Bis(Trifluoromethylsulfonyl)amide ([hmim][Tf₂N]). Journal of Physical Chemistry B, 2008, 112, 16710-16720.	1.2	94
14	Atomistic Simulation of the Absorption of Carbon Dioxide and Water in the Ionic Liquid		