

Robert J Perry

List of Publications by Year in descending order

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418
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular-Level Overhaul of ¹³ C-Aminopropyl Aminosilicone/Triethylene Glycol Post-Combustion CO ₂ -Capture Solvents. ChemSusChem, 2020, 13, 3429-3438.	6.8	16
2	Measurement of CO ₂ Diffusivity in Phase-Changing Aminosilicone CO ₂ Capture Solvent. Energy & Fuels, 2018, 32, 6901-6909.	5.1	3
3	Measuring CO ₂ and N ₂ O Mass Transfer into GAP-1 CO ₂ -Capture Solvents at Varied Water Loadings. Industrial & Engineering Chemistry Research, 2017, 56, 4830-4836.	3.7	17
4	Second-Generation Aminosilicones as CO ₂ Capture Solvents. Energy & Fuels, 2017, 31, 7334-7343.	5.1	0
5	Thermal Degradation of Aminosilicone Carbamates. Energy & Fuels, 2016, 30, 10671-10678.	5.1	2
6	Secondary Amine Functional Disiloxanes as CO ₂ Sorbents. Energy & Fuels, 2014, 28, 3326-3331.	5.1	17
7	A Combined Experimental and Computational Study on Selected Physical Properties of Aminosilicones. Industrial & Engineering Chemistry Research, 2014, 53, 1334-1341.	3.7	7
8	CO ₂ Capture Using Phase-Changing Sorbents. Energy & Fuels, 2012, 26, 2528-2538.	5.1	45
9	CO ₂ Capture Using Solutions of Alkanolamines and Aminosilicones. Energy & Fuels, 2012, 26, 2512-2517.	5.1	48
10	A Computational Study of the Heats of Reaction of Substituted Monoethanolamine with CO ₂ . Journal of Physical Chemistry A, 2011, 115, 342-350.	2.5	40
11	Amino Disiloxanes for CO ₂ Capture. Energy & Fuels, 2011, 25, 1906-1918.	5.1	45
12	The CO ₂ permeability and mixed gas CO ₂ /H ₂ selectivity of membranes composed of CO ₂ -philic polymers. Journal of Membrane Science, 2011, 372, 29-39.	8.2	68
13	Aminosilicone Solvents for CO ₂ Capture. ChemSusChem, 2010, 3, 919-930.	6.8	57