

Robert J Perry

List of Publications by Year in descending order

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13
papers

365
citations

1040056

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1199594

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14
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418
citing authors

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