

Deepika Malhotra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2776219/publications.pdf>

Version: 2024-02-01

16
papers

492
citations

933447

10
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of a Third Generation Single-Component Water-Lean Diamine Solvent for Post-Combustion CO ₂ Capture. ACS Sustainable Chemistry and Engineering, 2022, 10, 4522-4528.	6.7	6
2	AMPHIPHILIC WATER-LEAN CARBON CAPTURE SOLVENT WETTING BEHAVIOR VIA DECOMPOSITION BY STAINLESS-STEEL INTERFACES. ChemSusChem, 2021, 14, 5283-5292.	6.8	1
3	A single-component water-lean post-combustion CO ₂ capture solvent with exceptionally low operational heat and total costs of capture – comprehensive experimental and theoretical evaluation. Energy and Environmental Science, 2020, 13, 4106-4113.	30.8	47
4	Subtle changes in hydrogen bond orientation result in glassification of carbon capture solvents. Physical Chemistry Chemical Physics, 2020, 22, 19009-19021.	2.8	3
5	Molecular-Level Overhaul of 1 ³ -Aminopropyl Aminosilicone/Triethylene Glycol Post-Combustion CO ₂ Capture Solvents. ChemSusChem, 2020, 13, 3429-3438.	6.8	16
6	Directed Hydrogen Bond Placement: Low Viscosity Amine Solvents for CO ₂ Capture. ACS Sustainable Chemistry and Engineering, 2019, 7, 7535-7542.	6.7	34
7	Molecular design and shear stability correlations of dendritic polymethacrylates. Molecular Systems Design and Engineering, 2019, 4, 1114-1124.	3.4	5
8	Critical fuel property evaluation for potential gasoline and diesel biofuel blendstocks with low sample volume availability. Fuel, 2019, 238, 26-33.	6.4	9
9	Mesoscopic Structure Facilitates Rapid CO ₂ Transport and Reactivity in CO ₂ Capture Solvents. Journal of Physical Chemistry Letters, 2018, 9, 5765-5771.	4.6	19
10	Water-Lean Solvents for Post-Combustion CO ₂ Capture: Fundamentals, Uncertainties, Opportunities, and Outlook. Chemical Reviews, 2017, 117, 9594-9624.	47.7	249
11	Phase-Change Aminopyridines as Carbon Dioxide Capture Solvents. Industrial & Engineering Chemistry Research, 2017, 56, 7534-7540.	3.7	14
12	Reinventing Design Principles for Developing Low-Viscosity Carbon Dioxide-Binding Organic Liquids for Flue Gas Clean Up. ChemSusChem, 2017, 10, 636-642.	6.8	26
13	Integrated Solvent Design for CO ₂ Capture and Viscosity Tuning. Energy Procedia, 2017, 114, 726-734.	1.8	10
14	Are Water-lean Solvent Systems Viable for Post-Combustion CO ₂ Capture?. Energy Procedia, 2017, 114, 756-763.	1.8	18
15	Structure-property reduced order model for viscosity prediction in single-component CO ₂ -binding organic liquids. Green Chemistry, 2016, 18, 6004-6011.	9.0	20
16	Evaluating Transformational Solvent Systems for Post-combustion CO ₂ Separations. Energy Procedia, 2014, 63, 8144-8152.	1.8	15