

Diego Di Domenico Pinto

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

617
citations

759233

12
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of a phase change solvent for CO ₂ capture: Absorption and desorption tests. International Journal of Greenhouse Gas Control, 2014, 28, 318-327.	4.6	121
2	CO ₂ post combustion capture with a phase change solvent. Pilot plant campaign. International Journal of Greenhouse Gas Control, 2014, 31, 153-164.	4.6	102
3	VLE data and modelling of aqueous N,N-diethylethanolamine (DEEA) solutions. International Journal of Greenhouse Gas Control, 2013, 19, 432-440.	4.6	69
4	Density measurements and modelling of loaded and unloaded aqueous solutions of MDEA (N-methyldiethanolamine), DMEA (N,N-dimethylethanolamine), DEEA (diethylethanolamine) and MAPA (N-methyl-1,3-diaminopropane). International Journal of Greenhouse Gas Control, 2014, 25, 173-185.	4.6	53
5	Investigating opportunities for water-lean solvents in CO ₂ capture: VLE and heat of absorption in water-lean solvents containing MEA. Separation and Purification Technology, 2020, 231, 115883.	7.9	52
6	Study of Various Aqueous and Non-Aqueous Amine Blends for Hydrogen Sulfide Removal from Natural Gas. Processes, 2019, 7, 160.	2.8	38
7	CO ₂ absorption into loaded aqueous MEA solutions: Kinetics assessment using penetration theory. International Journal of Greenhouse Gas Control, 2016, 53, 338-353.	4.6	27
8	NMR Speciation of Aqueous MAPA, Tertiary Amines, and Their Blends in the Presence of CO ₂ : Influence of pK_a and Reaction Mechanisms. Industrial & Engineering Chemistry Research, 2018, 57, 1337-1349.	3.7	25
9	Thermal stability and corrosion of tertiary amines in aqueous amine and amine-glycol-water solutions for combined acid gas and water removal. Journal of Natural Gas Science and Engineering, 2019, 62, 26-37.	4.4	22
10	Viscosity measurements and modeling of loaded and unloaded aqueous solutions of MDEA, DMEA, DEEA and MAPA. Chemical Engineering Science, 2017, 171, 340-350.	3.8	21
11	Influence of pK_a on solvent performance of MAPA promoted tertiary amines. International Journal of Greenhouse Gas Control, 2018, 68, 68-76.	4.6	20
12	New polyalkylated imidazoles tailored for carbon dioxide capture. International Journal of Greenhouse Gas Control, 2018, 76, 167-174.	4.6	20
13	eNRTL Parameter Fitting Procedure for Blended Amine Systems: MDEA-PZ Case Study. Energy Procedia, 2013, 37, 1613-1620.	1.8	12
14	An excess Gibbs free energy based model to calculate viscosity of multicomponent liquid mixtures. International Journal of Greenhouse Gas Control, 2015, 42, 494-501.	4.6	12
15	Modeling of Oxidative MEA Degradation. Energy Procedia, 2014, 63, 940-950.	1.8	9
16	Aqueous MAPA, DEEA, and Their Blend as CO ₂ Absorbents: Interrelationship between NMR Speciation, pH, and Heat of Absorption Data. Industrial & Engineering Chemistry Research, 2019, 58, 9781-9794.	3.7	7
17	Experimental Determination of Mass-transfer Coefficients and Area of Dumped Packing Using Alkanolamine Solvents. Energy Procedia, 2016, 86, 219-228.	1.8	4
18	Vapor Liquid Equilibrium Measurements of Two Promising Tertiary Amines for CO ₂ Capture. Processes, 2019, 7, 951.	2.8	2

#	ARTICLE	IF	CITATIONS
19	DENSITY CALCULATIONS OF AQUEOUS AMINE SOLUTIONS USING AN EXCESS GIBBS BASED MODEL. Brazilian Journal of Chemical Engineering, 2019, 36, 1075-1087.	1.3	1