

Min Xiao

List of Publications by Year in descending order

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papers

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citations

759233

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docs citations

19
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic studies for improving the prediction of CO ₂ equilibrium solubility in aqueous 2-dimethylamino-2-methyl-1-propanol. Separation and Purification Technology, 2022, 295, 121292.	7.9	21
2	Experimental Measurement and Modeling Prediction of Mass Transfer in a Hollow Fiber Membrane Contactor Using Tertiary Amine Solutions for CO ₂ Absorption. Industrial & Engineering Chemistry Research, 2022, 61, 9632-9643.	3.7	8
3	Role of mono- and diamines as kinetic promoters in mixed aqueous amine solution for CO ₂ capture. Chemical Engineering Science, 2021, 229, 116009.	3.8	23
4	Thermodynamic analysis of carbamate formation and carbon dioxide absorption in N-methylaminoethanol solution. Applied Energy, 2021, 281, 116021.	10.1	10
5	Experimental and modeling studies of bicarbonate forming amines for CO ₂ capture by NMR spectroscopy and VLE. Separation and Purification Technology, 2020, 234, 116097.	7.9	17
6	An experimental and modeling study of physical N ₂ O solubility in 2-(ethylamino)ethanol. Journal of Chemical Thermodynamics, 2019, 138, 34-42.	2.0	7
7	Advanced designer amines for CO ₂ capture: Interrogating speciation and physical properties. International Journal of Greenhouse Gas Control, 2019, 82, 8-18.	4.6	9
8	Analysis of equilibrium CO ₂ solubility and thermodynamic models for aqueous 1-(2-hydroxyethyl)piperidine solution. AIChE Journal, 2019, 65, e16605.	3.6	13
9	Expedient and highly efficient synthesis of propargylamines using a Pd-Cu nanowires catalyst under solvent-free conditions. Applied Organometallic Chemistry, 2019, 33, e4917.	3.5	16
10	Modeling and experiments of equilibrium solubility of carbon dioxide in aqueous N-(2-hydroxyethyl)pyrrolidine solution. Journal of the Taiwan Institute of Chemical Engineers, 2018, 85, 132-140.	5.3	5
11	CO ₂ absorption with aqueous tertiary amine solutions: Equilibrium solubility and thermodynamic modeling. Journal of Chemical Thermodynamics, 2018, 122, 170-182.	2.0	34
12	Nondirecting Group ³ C-H Activation for Synthesis of Bibenzyls via Homo-coupling as Catalyzed by Reduced Graphene Oxide Supported PtPd@Pt Porous Nanospheres. Advanced Synthesis and Catalysis, 2018, 360, 932-941.	4.3	14
13	Modeling of CO ₂ equilibrium solubility in a novel 1-Diethylamino-2-Propanol Solvent. AIChE Journal, 2017, 63, 4465-4475.	3.6	15
14	A new model for correlation and prediction of equilibrium CO ₂ solubility in N-methyl-4-piperidinol solvent. AIChE Journal, 2017, 63, 3395-3403.	3.6	34
15	The analysis of solubility, absorption kinetics of CO ₂ absorption into aqueous 1-diethylamino-2-propanol solution. AIChE Journal, 2017, 63, 2694-2704.	3.6	40
16	A study of structure-activity relationships of commercial tertiary amines for post-combustion CO ₂ capture. Applied Energy, 2016, 184, 219-229.	10.1	135
17	Analysis of Reaction Kinetics of CO ₂ Absorption into a Novel 1-(2-Hydroxyethyl)-piperidine Solvent Using Stopped-Flow Technique. Industrial & Engineering Chemistry Research, 2015, 54, 12525-12533.	3.7	14
18	Matching CO ₂ Capture Solvents With 3D-Printed Polymeric Packing to Enhance Absorber Performance. SSRN Electronic Journal, 0, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	CO ₂ Absorption Intensification Using 3D Printed Dynamic Polarity Packing in a Bench-Scale Integrated CO ₂ Capture System. <i>AIChE Journal</i> , 0, , e17570.	3.6	5