

Min Xiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8391653/publications.pdf>

Version: 2024-02-01

19
papers

422
citations

759233

12
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

345
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Matching CO2 Capture Solvents With 3D-Printed Polymeric Packing to Enhance Absorber Performance. SSRN Electronic Journal, 0, , .	0.4	2