

Wichitpan Rongwong

List of Publications by Year in descending order

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32
papers

1,709
citations

304743

22
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1218
citing authors

#	ARTICLE	IF	CITATIONS
1	A modeling study on the effects of pH and partial wetting on the removal of ammonia nitrogen from wastewater by membrane contactors. Journal of Environmental Chemical Engineering, 2020, 8, 104240.	6.7	18
2	Resource recovery from industrial wastewaters by hydrophobic membrane contactors: A review. Journal of Environmental Chemical Engineering, 2020, 8, 104242.	6.7	43
3	Fouling formation in membrane contactors for methane recovery from anaerobic effluents. Journal of Membrane Science, 2019, 573, 534-543.	8.2	42
4	Energy analysis and optimization of hollow fiber membrane contactors for recovery of dissolve methane from anaerobic membrane bioreactor effluent. Journal of Membrane Science, 2018, 554, 184-194.	8.2	48
5	Optimization of hydrophobic modification parameters of microporous polyvinylidene fluoride hollow-fiber membrane for biogas recovery from anaerobic membrane bioreactor effluent. Journal of Membrane Science, 2018, 548, 510-518.	8.2	48
6	Membrane-based technologies for post-treatment of anaerobic effluents. Npj Clean Water, 2018, 1, .	8.0	30
7	Heat duty, heat of absorption, sensible heat and heat of vaporization of 2-amino-2-methyl-1-propanol (AMP), Piperazine (PZ) and Monoethanolamine (MEA) tri-solvent blend for carbon dioxide (CO ₂) capture. Chemical Engineering Science, 2017, 170, 26-35.	3.8	96
8	Analysis of CO ₂ Solubility and Absorption Heat into Aqueous 1-Diethylamino-2-propanol. Energy Procedia, 2017, 114, 873-879.	1.8	0
9	Polymer-fluorinated silica composite hollow fiber membranes for the recovery of biogas dissolved in anaerobic effluent. Journal of Membrane Science, 2017, 540, 146-154.	8.2	46
10	Transport properties of CO ₂ and CH ₄ in hollow fiber membrane contactor for the recovery of biogas from anaerobic membrane bioreactor effluent. Journal of Membrane Science, 2017, 541, 62-72.	8.2	42
11	Experimental study on the solvent regeneration of a CO ₂ -loaded MEA solution using single and hybrid solid acid catalysts. AIChE Journal, 2016, 62, 753-765.	3.6	115
12	CO ₂ solubility and liquid phase ion speciation determined by  overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" data-bbox="80 590 780 660"/>	4.6	1
13	Carbon dioxide (CO ₂) capture performance of aqueous tri-solvent blends containing 2-amino-2-methyl-1-propanol (AMP) and methyldiethanolamine (MDEA) promoted by diethylenetriamine (DETA). International Journal of Greenhouse Gas Control, 2016, 53, 292-304.	4.6	88
14	Experiments and modeling of vapor-liquid equilibrium data in DEEA-CO ₂ -H ₂ O system. International Journal of Greenhouse Gas Control, 2016, 53, 160-168.	4.6	23
15	Carbon dioxide (CO ₂) capture: Absorption-desorption capabilities of 2-amino-2-methyl-1-propanol (AMP), piperazine (PZ) and monoethanolamine (MEA) tri-solvent blends. Journal of Natural Gas Science and Engineering, 2016, 33, 742-750.	4.4	122
16	Study of Formation of Bicarbonate Ions in CO ₂ -Loaded Aqueous Single 1DMA2P and MDEA Tertiary Amines and Blended MEA-1DMA2P and MEA-MDEA Amines for Low Heat of Regeneration. Industrial & Engineering Chemistry Research, 2016, 55, 3710-3717.	3.7	60
17	Comparison of Overall Gas-Phase Mass Transfer Coefficient for CO ₂ Absorption between Tertiary Amines in a Randomly Packed Column. Chemical Engineering and Technology, 2015, 38, 1435-1443.	1.5	30
18	Artificial neural network models for the prediction of CO ₂ solubility in aqueous amine solutions. International Journal of Greenhouse Gas Control, 2015, 39, 174-184.	4.6	44

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19	Investigation of the effects of operating parameters on the local mass transfer coefficient and membrane wetting in a membrane gas absorption process. <i>Journal of Membrane Science</i> , 2015, 490, 236-246.	8.2	50
20	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
21	Comparative studies of stripper overhead vapor integration-based configurations for post-combustion CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2015, 34, 75-84.	4.6	41
22	Solubility, absorption heat and mass transfer studies of CO ₂ absorption into aqueous solution of 1-dimethylamino-2-propanol. <i>Fuel</i> , 2015, 144, 121-129.	6.4	82
23	Recent progress and new developments in post-combustion carbon-capture technology with amine based solvents. <i>International Journal of Greenhouse Gas Control</i> , 2015, 40, 26-54.	4.6	403
24	Simulation Studies of Process Improvement of Threeâ€Tower Lowâ€Temperature Distillation Process to Minimize Energy Consumption for Separation of Produced Gas of CO ₂ â€Enhanced Oil Recovery (EOR). <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1266-1274.	1.7	1
25	Experimental Studies of Reboiler Heat Duty for CO ₂ Desorption from Triethylenetetramine (TETA) and Triethylenetetramine (TETA) + <i>N</i> -Methyldiethanolamine (MDEA). <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8554-8560.	3.7	20
26	Experimental Studies of Regeneration Heat Duty for CO ₂ Desorption from Aqueous DETA Solution in a Randomly Packed Column. <i>Energy Procedia</i> , 2014, 63, 1497-1503.	1.8	12
27	Experimental studies of regeneration heat duty for CO ₂ desorption from diethylenetriamine (DETA) solution in a stripper column packed with Dixon ring random packing. <i>Fuel</i> , 2014, 136, 261-267.	6.4	66
28	Kinetics of CO ₂ absorption into a novel 1â€diethylaminoâ€propanol solvent using stoppedâ€flow technique. <i>AIChE Journal</i> , 2014, 60, 3502-3510.	3.6	64
29	Comparison of Liquid Phase Ion Speciation in DEAB-CO ₂ -H ₂ O System with IPAB-CO ₂ -H ₂ O System Using ¹³ C NMR Techniques. <i>Energy Procedia</i> , 2014, 63, 1919-1926.	1.8	0
30	Thermal and Oxidative Degradation of Aqueous N, N-Diethylethanolamine (DEEA) at Stripping Conditions for CO ₂ Capture. <i>Energy Procedia</i> , 2014, 63, 1911-1918.	1.8	14
31	Solubility, Kinetics, Absorption Heat and Mass Transfer Studies of CO ₂ Absorption into Aqueous Solution of 1-Dimethylamino-2-propanol. <i>Energy Procedia</i> , 2014, 63, 659-664.	1.8	13
32	Rate based modeling for CO ₂ absorption using monoethanolamine solution in a hollow fiber membrane contactor. <i>Journal of Membrane Science</i> , 2013, 429, 396-408.	8.2	33