

Halim Hairul Nazirah Abdul

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	CO ₂ Absorption from Biogas Using Piperazine-Promoted 2-Amino-2-methyl-1-propanol: Process Performance in a Packed Column. <i>Sustainability</i> , 2022, 14, 7095.	3.2	1
2	A Review on CO ₂ Absorption using Chemical Solvents at Low and High CO ₂ Partial Pressure Conditions in a Packed Column. <i>Open Chemical Engineering Journal</i> , 2022, 16, .	0.5	0
3	Packed column modelling and experimental evaluation for CO ₂ absorption using MDEA solution at high pressure and high CO ₂ concentrations. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 88, 103829.	4.4	8
4	Selection of Renewable Energy in Rural Area Via Life Cycle Assessment-Analytical Hierarchy Process (LCA-AHP): A Case Study of Tatau, Sarawak. <i>Sustainability</i> , 2021, 13, 11880.	3.2	9
5	Mass Transfer Performance Study for CO ₂ Absorption into Non-Precipitated Potassium Carbonate Promoted with Glycine Using Packed Absorption Column. <i>Sustainability</i> , 2020, 12, 3873.	3.2	14
6	Rate-Based Modeling for Packed Absorption Column of the MEA-CO ₂ -Water System at High-Pressure and High-CO ₂ Loading Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12235-12246.	3.7	13
7	Process behaviour in a packed absorption column for high pressure CO ₂ absorption from natural gas using PZ+AMP blended solution. <i>Fuel Processing Technology</i> , 2017, 157, 20-28.	7.2	20
8	Integrated mathematical modeling for prediction of rich CO ₂ absorption in structured packed column at elevated pressure conditions. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 28, 737-745.	4.4	12
9	Mass transfer performance of 2-amino-2-methyl-1-propanol and piperazine promoted 2-amino-2-methyl-1-propanol blended solvent in high pressure CO ₂ absorption. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 121-127.	4.6	21
10	Host-Guest Inclusion Complexes Between Amlodipine Enantiomers in Biphasic Recognition Chiral Extraction System Using Tartaric Acid and Î ² -Cyclodextrin Derivatives as Positive Confirmation Using of their Enantioselective Extraction. <i>Scientia Pharmaceutica</i> , 2015, 83, 683-698.	2.0	2
11	Mass Transfer Performance of CO ₂ Absorption from Natural Gas using Monoethanolamine (MEA) in High Pressure Operations. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1675-1680.	3.7	27
12	Photocatalytic Degradation of Phenol in a Fluidized Bed Reactor Utilizing Immobilized TiO ₂ Photocatalyst: Characterization and Process Studies. <i>Journal of Applied Sciences</i> , 2011, 11, 2320-2326.	0.3	21
13	Chemoenzymatic and microbial dynamic kinetic resolutions. <i>Chirality</i> , 2009, 21, 449-467.	2.6	43
14	Controlled/Living Radical Polymerization of Methyl Methacrylate in the Presence of 2-Bromoethanol as a Transfer Agent and Comparison with Cumyl Dithiobenzoate as a RAFT Agent. <i>Journal of Applied Sciences</i> , 2009, 9, 3146-3150.	0.3	3