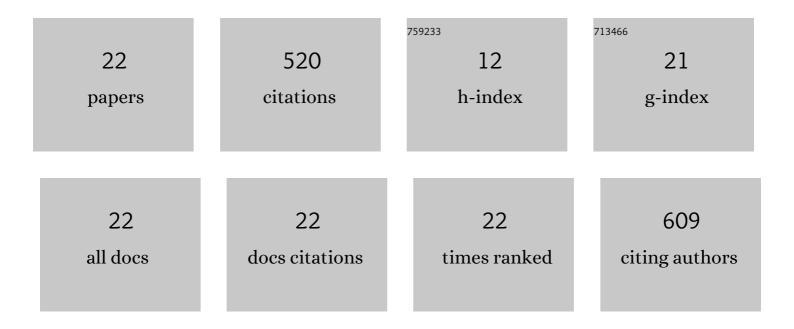
Faizan Ahmad

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Holistic review on the recent development in mathematical modelling and process simulation of hollow fiber membrane contactor for gas separation process. Journal of Industrial and Engineering Chemistry, 2021, 104, 231-257.	5.8	10
2	Theoretical and experimental investigation of CO2 capture through choline chloride based supported deep eutectic liquid membranes. Journal of Molecular Liquids, 2021, 335, 116234.	4.9	12
3	Study on CO ₂ Hydrate Formation Kinetics in Saline Water in the Presence of Low Concentrations of CH ₄ . ACS Omega, 2019, 4, 18210-18218.	3.5	20
4	Comparative Analysis of Hydrate Nucleation for Methane and Carbon Dioxide. Molecules, 2019, 24, 1055.	3.8	13
5	Empirical Model of Operating Temperature and Pressure Effect towards Pure and Binary O ₂ / N ₂ Gas Permeability in Polysulfone Membrane. Key Engineering Materials, 2018, 777, 238-244.	0.4	0
6	Mathematical modelling of thickness and temperature dependent physical aging to O ₂ /N ₂ gas separation in polymeric membranes. RSC Advances, 2018, 8, 30265-30279.	3.6	6
7	An atomistic simulation towards elucidation of operating temperature effect in CO2 swelling of polysulfone polymeric membranes. Journal of Natural Gas Science and Engineering, 2018, 57, 135-154.	4.4	12
8	A thermally coupled reactive distillation and pervaporation hybrid process for n -butyl acetate production with enhanced energy efficiency. Chemical Engineering Research and Design, 2017, 124, 98-113.	5.6	33
9	A hybrid reactive distillation process with high selectivity pervaporation for butyl acetate production via transesterification. Journal of Membrane Science, 2017, 543, 49-57.	8.2	30
10	Elucidation on the Effect of Operating Temperature to the Transport Properties of Polymeric Membrane Using Molecular Simulation Tool. Communications in Computer and Information Science, 2017, , 456-471.	0.5	1
11	Innovative method to prepare a stable emulsion liquid membrane for high CO 2 absorption and its performance evaluation for a natural gas feed in a rotating disk contactor. Journal of Natural Gas Science and Engineering, 2016, 34, 716-732.	4.4	10
12	Intensified Distillationâ€Based Separation Processes: Recent Developments and Perspectives. Chemical Engineering and Technology, 2016, 39, 2183-2195.	1.5	20
13	Hydrodynamics study of the modified rotating disc contactor for CO2 absorption from natural gas using emulsion liquid membrane. Chemical Engineering Research and Design, 2016, 111, 465-478.	5.6	3
14	Vapor permeation–distillation hybrid processes for cost-effective isopropanol dehydration: modeling, simulation and optimization. Journal of Membrane Science, 2016, 497, 108-119.	8.2	30
15	Modeling, simulation and economic analysis of CO2 capture from natural gas using cocurrent, countercurrent and radial crossflow hollow fiber membrane. International Journal of Greenhouse Gas Control, 2015, 36, 114-134.	4.6	44
16	Hollow fiber membrane model for gas separation: Process simulation, experimental validation and module characteristics study. Journal of Industrial and Engineering Chemistry, 2015, 21, 1246-1257.	5.8	50
17	Modelling in mixed matrix membranes for gas separation. Canadian Journal of Chemical Engineering, 2015, 93, 88-95.	1.7	22
18	Temperature and pressure dependence of membrane permeance and its effect on process economics of hollow fiber gas separation system. Journal of Membrane Science, 2013, 430, 44-55.	8.2	55

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#	Article	IF	CITATIONS
19	Physical Properties of Piperazine (PZ) Activated Aqueous Solutions of 2-Amino-2-hydroxymethyl-1,3-propanediol (AHPD + PZ). Journal of Chemical & Engineering Data, 2012, 57, 133-136.	1.9	22
20	Process simulation and optimal design of membrane separation system for CO2 capture from natural gas. Computers and Chemical Engineering, 2012, 36, 119-128.	3.8	111
21	Physical Properties and Thermal Decomposition of Aqueous Solutions of 2-Amino-2-hydroxymethyl-1, 3-propanediol (AHPD). International Journal of Thermophysics, 2011, 32, 2040-2049.	2.1	9
22	Removal of CO2 from Natural Gas Using Membrane Separation System: Modeling and Process Design. Journal of Applied Sciences, 2010, 10, 1134-1139.	0.3	7