

# Nayef Ghasem

## List of Publications by Year in descending order

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33  
papers

709  
citations

686830

13  
h-index

552369

26  
g-index

35  
all docs

35  
docs citations

35  
times ranked

620  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current and future trends in polymer membrane-based gas separation technology: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 103-129.	2.9	154
2	Effect of PVDF concentration on the morphology and performance of hollow fiber membrane employed as gas-liquid membrane contactor for CO <sub>2</sub> absorption. <i>Separation and Purification Technology</i> , 2012, 98, 174-185.	3.9	78
3	Effect of quenching temperature on the performance of poly(vinylidene fluoride) microporous hollow fiber membranes fabricated via thermally induced phase separation technique on the removal of CO <sub>2</sub> from CO <sub>2</sub> -gas mixture. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 1550-1558.	2.3	59
4	Absorption of CO <sub>2</sub> from natural gas using different amino acid salt solutions and regeneration using hollow fiber membrane contactors. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 108-117.	2.1	58
5	Effect of polymer extrusion temperature on poly(vinylidene fluoride) hollow fiber membranes: Properties and performance used as gas-liquid membrane contactor for CO <sub>2</sub> absorption. <i>Separation and Purification Technology</i> , 2012, 99, 91-103.	3.9	53
6	Preparation and properties of polyethersulfone hollow fiber membranes with o-xylene as an additive used in membrane contactors for CO <sub>2</sub> absorption. <i>Separation and Purification Technology</i> , 2012, 92, 1-10.	3.9	36
7	Modeling of CO <sub>2</sub> absorption in a membrane contactor considering solvent evaporation. <i>Separation and Purification Technology</i> , 2013, 110, 1-10.	3.9	35
8	Stripping of CO <sub>2</sub> from different aqueous solvents using PVDF hollow fiber membrane contacting process. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 886-893.	2.1	33
9	Dynamics and stability of ethylene polymerization in multizone circulating reactors. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 603-611.	1.2	22
10	Temperature Control of a Bench-Scale Batch Polymerization Reactor for Polystyrene Production. <i>Chemical Engineering and Technology</i> , 2007, 30, 1193-1202.	0.9	21
11	Gas-liquid membrane contactor for ethylene/ethane separation by aqueous silver nitrate solution. <i>Separation and Purification Technology</i> , 2014, 127, 140-148.	3.9	21
12	Intensification of CO <sub>2</sub> absorption using MDEA-based nanofluid in a hollow fibre membrane contactor. <i>Scientific Reports</i> , 2021, 11, 2649.	1.6	17
13	Challenges, benefits & drawbacks of chemical engineering on-line teaching during Covid-19 pandemic. <i>Education for Chemical Engineers</i> , 2021, 36, 107-114.	2.8	16
14	CO <sub>2</sub> removal from natural gas. , 2020, , 479-501.		14
15	Chemical Absorption of CO <sub>2</sub> Enhanced by Nanoparticles Using a Membrane Contactor: Modeling and Simulation. <i>Membranes</i> , 2019, 9, 150.	1.4	12
16	Enhanced teaching and student learning through a simulator-based course in chemical unit operations design. <i>European Journal of Engineering Education</i> , 2016, 41, 455-467.	1.5	10
17	Modeling and Simulation of the Absorption of CO <sub>2</sub> and NO <sub>2</sub> from a Gas Mixture in a Membrane Contactor. <i>Processes</i> , 2019, 7, 441.	1.3	10
18	Modeling and Simulation of the Simultaneous Absorption/Stripping of CO <sub>2</sub> with Potassium Glycinate Solution in Membrane Contactor. <i>Membranes</i> , 2020, 10, 72.	1.4	10

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19	Kinetics of Polymerization of Dimer Fatty Acids with Ethylenediamine After 90% Conversion. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 658-663.	1.1	9
20	CFD simulation of CO <sub>2</sub> absorption by water-based TiO <sub>2</sub> nanoparticles in a high pressure stirred vessel. <i>Scientific Reports</i> , 2021, 11, 1984.	1.6	8
21	Effect of reaction temperature on conversion and thermal properties of polyamide hot-melt adhesives. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007, 2, 599-608.	0.8	6
22	Absorption of CO <sub>2</sub> From Natural Gas via Gas-liquid PVDF Hollow Fiber Membrane Contactor and Potassium Glycinate as Solvent. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 69, .	0.3	6
23	Computer Methods in Chemical Engineering. , 0, , .		5
24	Combined mode of operation for thermal parametric pumping. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 666-669.	1.6	3
25	Optimum temperature profile for noncatalytic reaction to produce polyamide hot melt adhesives. <i>Journal of Applied Polymer Science</i> , 2006, 99, 1817-1822.	1.3	2
26	Stabilization of the Dynamic Behavior of a UNIPOL Process for Polyethylene Production. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2004, 12, 199-216.	0.0	2
27	Simulation, Optimization and Parametric Studies of a Solid Catalyzed Gas Phase Ethylene Polymerization Fluidized Bed Reactor. <i>Journal of Chemical Engineering of Japan</i> , 2005, 38, 171-175.	0.3	1
28	Polymeric membranes for CO <sub>2</sub> separation. , 2020, , 311-329.		1
29	Modeling and simulation of the hollow fiber bore size on the CO <sub>2</sub> absorption in membrane contactor. <i>Chemical Product and Process Modeling</i> , 2020, 15, .	0.5	1
30	Modeling and Experimental Study of Gas-Liquid Membrane Contactor. , 2015, , 5442-5453.		0
31	Thermal Conductivity of Aqueous Solvents Used in CO <sub>2</sub> Capture. <i>Journal of Chemical Engineering Research Updates</i> , 2016, 3, 25-30.	0.1	0
32	Carbon Capture From Natural Gas via Polymeric Membranes. , 2018, , 3043-3055.		0
33	Carbon Capture From Natural Gas via Polymeric Membranes. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019, , 117-131.	0.3	0