

# Nayef Ghasem

## List of Publications by Year in descending order

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33  
papers

709  
citations

687363

13  
h-index

552781

26  
g-index

35  
all docs

35  
docs citations

35  
times ranked

620  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | CFD simulation of CO <sub>2</sub> absorption by water-based TiO <sub>2</sub> nanoparticles in a high pressure stirred vessel. Scientific Reports, 2021, 11, 1984.  | 3.3 | 8         |
| 2  | Intensification of CO <sub>2</sub> absorption using MDEA-based nanofluid in a hollow fibre membrane contactor. Scientific Reports, 2021, 11, 2649.   | 3.3 | 17        |
| 3  | Current and future trends in polymer membrane-based gas separation technology: A comprehensive review. Journal of Industrial and Engineering Chemistry, 2021, 98, 103-129.   | 5.8 | 154       |
| 4  | Challenges, benefits & drawbacks of chemical engineering on-line teaching during Covid-19 pandemic. Education for Chemical Engineers, 2021, 36, 107-114.   | 4.8 | 16        |
| 5  | CO <sub>2</sub> removal from natural gas. , 2020, , 479-501.   |     | 14        |
| 6  | Polymeric membranes for CO <sub>2</sub> separation. , 2020, , 311-329.   |     | 1         |
| 7  | Modeling and Simulation of the Simultaneous Absorption/Stripping of CO <sub>2</sub> with Potassium Glycinate Solution in Membrane Contactor. Membranes, 2020, 10, 72.  | 3.0 | 10        |
| 8  | Modeling and simulation of the hollow fiber bore size on the CO <sub>2</sub> absorption in membrane contactor. Chemical Product and Process Modeling, 2020, 15, .  | 0.9 | 1         |
| 9  | Modeling and Simulation of the Absorption of CO <sub>2</sub> and NO <sub>2</sub> from a Gas Mixture in a Membrane Contactor. Processes, 2019, 7, 441.  | 2.8 | 10        |
| 10 | Chemical Absorption of CO <sub>2</sub> Enhanced by Nanoparticles Using a Membrane Contactor: Modeling and Simulation. Membranes, 2019, 9, 150.   | 3.0 | 12        |
| 11 | Carbon Capture From Natural Gas via Polymeric Membranes. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 117-131.  | 0.4 | 0         |
| 12 | Carbon Capture From Natural Gas via Polymeric Membranes. , 2018, , 3043-3055.  |     | 0         |
| 13 | Enhanced teaching and student learning through a simulator-based course in chemical unit operations design. European Journal of Engineering Education, 2016, 41, 455-467.  | 2.3 | 10        |
| 14 | Thermal Conductivity of Aqueous Solvents Used in CO <sub>2</sub> Capture. Journal of Chemical Engineering Research Updates, 2016, 3, 25-30.  | 0.1 | 0         |
| 15 | Absorption of CO <sub>2</sub> from natural gas using different amino acid salt solutions and regeneration using hollow fiber membrane contactors. Journal of Natural Gas Science and Engineering, 2015, 26, 108-117. | 4.4 | 58        |
| 16 | Modeling and Experimental Study of Gas-Liquid Membrane Contactor. , 2015, , 5442-5453.   |     | 0         |
| 17 | Absorption of CO <sub>2</sub> Form Natural Gas via Gas-liquid PVDF Hollow Fiber Membrane Contactor and Potassium Glycinate as Solvent. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .                      | 0.4 | 6         |
| 18 | Stripping of CO <sub>2</sub> from different aqueous solvents using PVDF hollow fiber membrane contacting process. Journal of Natural Gas Science and Engineering, 2014, 21, 886-893.                                 | 4.4 | 33        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Gas-liquid membrane contactor for ethylene/ethane separation by aqueous silver nitrate solution. Separation and Purification Technology, 2014, 127, 140-148.  | 7.9 | 21        |
| 20 | Modeling of CO2 absorption in a membrane contactor considering solvent evaporation. Separation and Purification Technology, 2013, 110, 1-10.  | 7.9 | 35        |
| 21 | Effect of PVDF concentration on the morphology and performance of hollow fiber membrane employed as gas-liquid membrane contactor for CO2 absorption. Separation and Purification Technology, 2012, 98, 174-185.  | 7.9 | 78        |
| 22 | Effect of polymer extrusion temperature on poly(vinylidene fluoride) hollow fiber membranes: Properties and performance used as gas-liquid membrane contactor for CO2 absorption. Separation and Purification Technology, 2012, 99, 91-103.   | 7.9 | 53        |
| 23 | Preparation and properties of polyethersulfone hollow fiber membranes with o-xylene as an additive used in membrane contactors for CO2 absorption. Separation and Purification Technology, 2012, 92, 1-10.  | 7.9 | 36        |
| 24 | 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 CO2 from CO2-gas mixture. International Journal of Greenhouse Gas Control, 2011, 5, 1550-1558. | 4.6 | 59        |
| 25 | Dynamics and stability of ethylene polymerization in multizone circulating reactors. Korean Journal of Chemical Engineering, 2009, 26, 603-611.   | 2.7 | 22        |
| 26 | Temperature Control of a Bench-Scale Batch Polymerization Reactor for Polystyrene Production. Chemical Engineering and Technology, 2007, 30, 1193-1202.   | 1.5 | 21        |
| 27 | Effect of reaction temperature on conversion and thermal properties of polyamide hot-melt adhesives. Asia-Pacific Journal of Chemical Engineering, 2007, 2, 599-608.  | 1.5 | 6         |
| 28 | Optimum temperature profile for noncatalytic reaction to produce polyamide hot melt adhesives. Journal of Applied Polymer Science, 2006, 99, 1817-1822.   | 2.6 | 2         |
| 29 | Kinetics of Polymerization of Dimer Fatty Acids with Ethylenediamine After 90% Conversion. Macromolecular Chemistry and Physics, 2005, 206, 658-663.  | 2.2 | 9         |
| 30 | Simulation, Optimization and Parametric Studies of a Solid Catalyzed Gas Phase Ethylene Polymerization Fluidized Bed Reactor. Journal of Chemical Engineering of Japan, 2005, 38, 171-175.  | 0.6 | 1         |
| 31 | Stabilization of the Dynamic Behavior of a UNIPOL Process for Polyethylene Production. Asia-Pacific Journal of Chemical Engineering, 2004, 12, 199-216.   | 0.0 | 2         |
| 32 | Combined mode of operation for thermal parametric pumping. Journal of Chemical Technology and Biotechnology, 2003, 78, 666-669.   | 3.2 | 3         |
| 33 | Computer Methods in Chemical Engineering. , 0, , .  |     | 5         |