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### Papers in Conferences

1. S.A Razavi\_ E Nemati Lay, INDUSTRIAL CHALLENGES OF HDPE FLUID BED DRYING IN DIFFERENT GRADES. 4th International Conference on Recent Innovations in Chemistry and Chemical Engineering, 14 7 2017, تهران.
2. Erfan Omid و Priya Izadi\_Mohammad Reza Shafeghi\_Ebrahim Nemati Lay, Evaluation of ethylene glycol production methods. Third National Conference on Modern Technologies in Chemistry, Petrochemicals and Nano-Iran, 11 6 2016, تهران.
3. Gholamhossein Abbasi Barzoki \_ Alireza Abbasi Barzoki \_Ebrahim Nemati Lay, Heat-integrated condenser for essential oil extraction process. The First Iranian Seminar of Essential oil, 10 5 2016, کاشان.
4. Behzad Nematalahi\_Ali Hasan Zadeh\_Mehran Rezaee\_Ebrahim Nemati Lay, Low Temperature CO Methanation over High Surface Area Ni/□-Al<sub>2</sub>O<sub>3</sub> Nanocatalysts for CO Removal of H<sub>2</sub>-rich Stream. The 15th Iranian National Congress of Chemical Engineering (ICHEC 2015), 17 2 2015, تهران.
5. Mojtaba Abdollahi\_Ebrahim Nemati Lay\_Ehsan Sanjari , Experimental Analysis on Effects of Cycling Operation of Methane Adsorption and Desorption on Monolithic Activated Carbon , 4th International Conference on Power and Energy Systems Engineering, CPSE 2017 , 26 9 2017, برلین.
6. Marzieh zamani mazdeh\_Ebrahim nemati lay , EXPERIMENTAL STUDY OF KOH-ACTIVATION ON METHANE ADSORPTION AND DESORPTION ON MONOLITHIC ACTIVATED CARBONS AT 293.15K , 5TH International Conference of Iran Chemistry, Chemical Engineering And Nano, Tehran, Iran , 8 2017, تهران 31.
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12. Seyed Ali Reza Hosseini Nasab, Ebrahim Nemati Lay ,Effects of temperature and pressure on exergy analysis in solar energy storage systems ,11th International Energy Conference ,5 2016, تهران 30.
13. Arash Kadivar, Ebrahim Nemati Lay ,Modeling and Optimization of Gas Metering Using Genetic Algorithm ,11th International Energy Conference ,30 5 2016, تهران.
14. Maryam MashayekhPoor\_Ebrahim Nemati Lay ,A NEW TWO-PHASE FRICTIONAL PRESSURE DROP FOR ADIABATIC AND CONDENSING MINI/MICRO-CHANNEL FLOWS ,9th International Conference on Multiphase Flow (ICMF 2016) ,22 5 2016, فیرنزه.
15. Maryam MashayekhPoor\_Ebrahim Nemati Lay ,EXPERIMENTAL INVESTIGATION OF PRESSURE DROP OF COUNTER CURRENT AIR-WATER FLOW IN A VERTICAL COLUMN ,9th International Conference on Multiphase Flow (ICMF 2016) ,22 5 2016, فیرنزه.
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17. S.A. Razavi Alavi, E. Nemati Lay, Z.S. Alizadeh Makhmali ,Investigation of effective operational parameters on an industrial double-cyclone of HDPE fluidized bed drying ,The 9th International Chemical Engineering Congress & Exhibition (IChEC 2015) ,26 12 2016, شیراز.
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19. Marzieh Zamani Mazdeh\_Ebrahim Nemati Lay ,Separation and Adsorption of Methane and Hydrogen Gas Mixture on Two Nano-porous Activated Carbon Monoliths at 298.15K ,2nd International Conference on Nanotechnology (ICN 2014 ,10 7 2014, استانبول.
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3. An Empirical Correlation for Predicting Vapor Pressure of Ionic Liquids, Journal of Ionic Liquids, Vol. 2, pp. 1, 2022 12 31, SCOPUS.
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5. Development of a dimensionless and dynamic model of the three-phase trickle bed reactor in light naphtha isomerization process: effects of axial mass dispersion and liquid-solid mass transfer on isomers concentration, International Journal of Chemical Reactor Engineering, Vol. 29, pp. 1, 2022 08 18, SCOPUS ,JCR.

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7. Ehsan Sanjari\_ Ebrahim Nemati Lay, Estimation of natural gas compressibility factors using artificial neural network approach, *Journal of Natural Gas Science and Engineering*, pp. 220-226, November 2012.
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16. Mojtaba Abdollahi , Ebrahim Nemati Lay , Ehsan Sanjari, Experimental Analysis on Effects of Cycling Operation of Methane Adsorption and Desorption on Monolithic Activated Carbon, *Energy Procedia*, December 2017.
17. Amir Alihosseinzadeh\_ Behzad Nematollahi\_ Mehran Rezaei\_ Ebrahim Nemati Lay, CO methanation over Ni catalysts supported on high surface area mesoporous nanocrystalline  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> for CO removal in H<sub>2</sub>-rich stream, *International Journal of Hydrogen Energy* Volume 40, Issue 4, , Pages, pp. 1809-1819, 30 January 2015.
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