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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/□-Al₂O₃ Nanocatalysts for CO Removal of H₂-rich Stream. The 15th Iranian National Congress of Chemical Engineering (ICHCEC 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.
7. _Masoumeh Sadat Hosseini _ Ebrahim Nemati Lay , A new pressure gradient correlation for oil-water dispersed flow in horizontal pipes , 4th International Conference on Recent Innovations in Chemistry and Chemical Engineering , 14 7 2017, تهران.
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10. Seyed Abolfazl Razavi Alavi, Ebrahim Nemati Lay, Kamal Afzali, Appropriate operating conditions of cyclones for HDPE drying process , 20th European Symposium on Polymer Spectroscopy , 2016, دوسدن 11 9.
11. _Erfan Omid _ Priya Izadi _ Mohammad Reza Shafeghi _ Amir Mohammad Norouzi_ ebrahim nemati lay , Characteristics of Authors Article Review of Methods of Production of Ethylene Glycol , Third National Conference on Modern Technologies in Chemistry, Petrochemicals and Nano-Iran , تهران.

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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.
16. Seyed Abolfazl Sajjadi Nooshabadi, Ebrahim Nemati Lay ,Modeling the Critical Properties of Organic Substances Using Adaptive Neuro-Fuzzy Inference System ,Third National Conference and First International Conference on Applied Research in Chemistry and Chemical Engineering ,22 4 2016, تهران.
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18. Mina karami Nezhad_Ebrahim Nemati Lay ,NaOH activation of activated carbon for methane storage ,The 9th International Chemical Engineering Congress & Exhibition (IChEC 2015) ,12 2015, تهران 26.
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.
20. M.A.Hosseini_E.Nemati.Lay ,PRESSURE GRADIENT CORRELATION FOR OIL-WATER DISPERSED FLOW IN HORIZONTAL ACRYLIC PIPES ,2nd International Conference Of Oil, Gas And Petrochemical ,18 12 2014, تهران.
21. Behzad Nematollahi_Mehran Rezaee_Ebrahim Nemati Lay ,Methanation of Carbon Monoxide over Nickel-Ceria Nanocatalysts in Hydrogen Purification ,2nd International Conference Of Oil, Gas And Petrochemical ,18 12 2014, تهران.

Papers in Journals

1. 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. 21, pp. 109, 2023 01 31, SCOPUS ,JCR.
2. Feybi Ariani, Seyedabوالفضل سجادی نوش ابادی, ابراهیم نعمتی لای, امیر دشتی, امیرحسین محمدی, عبدالمحمد غلام زاده Goni, Jarom Kleme, Insights into modelling and evaluation of thermodynamic and transport properties of refrigerants using machine-learning methods, Energy, Vol. 262, pp. 1, 2023 01 01, SCOPUS ,ISI-Listed.
3. An Empirical Correlation for Predicting Vapor Pressure of Ionic Liquids, Journal of Ionic Liquids, Vol. 2, pp. 1, 2022 12 31, SCOPUS.
4. Simulation of Dehydration Unit with a Pre-cooler to Improve the Hydrate Formation Temperature of Natural Gas, Gas Processing Journal, Vol. 10, pp. 95, 2022 11 27, SCOPUS ,ISI-Listed.
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. EhsanSanjari_Ebrahim NematiLay, Estimation of natural gas compressibility factors using artificial neural network approach, *Journal of Natural Gas Science and Engineering*, pp. 220-226, November 2012.
8. BehzadNematollahi_MehranRezaei_Ebrahim NematiLay_MajidKhajenoori, Thermodynamic analysis of combined reforming process using Gibbs energy minimization method: In view of solid carbon formation, *Journal of Natural Gas Chemistry*, pp. 694-702, November 2012.
9. EhsanSanjari_Ebrahim NematiLay, Estimation of natural gas compressibility factors using artificial neural network approach, *Journal of Natural Gas Science and Engineering*, November 2012.
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16. Mojtaba Abdollahi , Ebrahim NematiLay , EhsanSanjari, Experimental Analysis on Effects of Cycling Operation of Methane Adsorption and Desorption on Monolithic Activated Carbon, *Energy Procedia*, December 2017.
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24. _Jaleh shirazi_Hossein Manafi_ Ebrahim Nemati Lay_Ali Borhani,Non-FT GTL, Iranian natural gas reservoirs monetization,Natural Gas,2008.
25. BehzadNematollahia , MehranRezaeia , Ebrahim NematiLay,Preparation of highly active and stable NiO–CeO₂ nanocatalysts for CO selective methanation,International Journal of Hydrogen Energy,20 July 2015.
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27. Fereshteh Salimi Nanadegani , Ebrahim Nemati Lay , Bengt Sundén,Effects of an MPL on water and thermal management in a PEMFC,International Journal of Energy Research,14 November 2018.
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