Fereshteh Meshkani

Assistant Professor

College: Faculty of Engineering

Department: Chemical Engineering

Education

Degree	Graduated in	Major	University
BSc	2006	Chemical Engineering	Persian Gulf University
MSc	2010	Chemical Engineering	University of Kashan
Ph.D	2015	Chemical Engineering	University of Kashan

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenure Track	Full Time	10

Papers in Journals

1. NS Maboudi, F Meshkani, M Rezaei,Effect of mesoporous nanocrystalline supports on the performance of the Ni Cu catalysts in the high-temperature water-gas shift reaction,Journal of the Energy Institute,2021.
2. Dehghanpoor ,& Gharashah, M Rezaei, F Meshkani,Preparation and improvement of the mesoporous nanostructured nickel catalysts supported on magnesium aluminate for syngas production by glycerol dry reforming,International Journal of Hydrogen Energy,2021.
3. R Daroughegi, F Meshkani, M Rezaei،Enhanced low-temperature activity of CO۲ methanation over ceria-promoted Ni-Al۲O۳nanocatalyst،Chemical Engineering Science،۲۰۲۱.
4. MMA Shirazi, S Bazgir, F Meshkani,A dual-layer, nanofibrous styrene-acrylonitrile membrane with hydrophobic/hydrophilic composite structure for treating the hot dyeing effluent by direct contact membrane ,,Chemical Engineering Research and Design,2020.
5. , S Karimi, F Bibak, F Meshkani, A Rastegarpanah, J Deng, Y Liu, H Dai,Promotional roles of second metals in catalyzing methane decomposition over the Nibased catalysts for hydrogen production: A critical review,International Journal of Hydrogen Energy,2021.
6. R Daroughegi, F Meshkani, M Rezaei,Enhanced low-temperature activity of CO2methanation over ceria-promoted Ni-Al2O3 nanocatalyst,Chemical Engineering Science,2020.

7. Z Taherian, VS Gharahshiran, A Khataee, F Meshkani, Y Orooji,Comparative study of modified Ni catalysts over mesoporous CaO-Al2O3 support for CO2/methane reforming,Catalysis Communications,2020.
8. Ali Rastegarpanah, Fereshteh Meshkani, Yuxi Liu, Jiguang Deng, Lin Jing, Wenbo Pei, Kunfeng Zhang, Zhiquan Hou, Zhuo Han, Mehran Rezaei, and Hongxing Dai,, Toluene Oxidation over the M Al (M = Ce, La, Co, Ce La, and Ce Co) Catalysts Derived from - -Induced Self-Assembly Method: Effects of Microwave or Ultrasound Irradiation and Noble-Metal Loading on Catalytic Activity and Stability,Ind. Eng. Chem. Res.,2020.
9. NS Maboudi, F Meshkani, M Rezaei,Effect of mesoporous nanocrystalline supports on the performance of the Ni Cu catalysts in the high-temperature water-gas shift reaction,Journal of the Energy Institute,2020.
10. Rezaei, P., Rezaei, M., Meshkani, F,, Ultrasound-assisted hydrothermal method for the preparation of the M-Fe2O3-CuO (M: Mn, Ag, Co) mixed oxides nanocatalysts for low-temperature CO oxidation,Ultrasonics Sonochemistry,2019.
11. Ghiassee, M., Rezaei, M., Meshkani, F., Mobini, S,Preparation and optimization of the MnCo2O4 powders for low temperature CO oxidation using the Taguchi method of experimental design,Research on Chemical Intermediates,2019.
12. Rastegarpanah, A., Rezaei, M., Meshkani, F., Zhang, K., Zhao, X., Pei, W., Liu, Y., Deng, J., Arandiyan, H. and Dai, H,Influence of group VIB metals on activity of the Ni/MgO catalysts for methane decomposition. Applied Catalysis B: Environmental,. Applied Catalysis B: Environmental,2019.
13. Moghaddam, S.V., Rezaei, M., Meshkani, F. and Daroughegi, R,Synthesis of nanocrystalline mesoporous Ni/Al2O3SiO2 catalysts for CO2 methanation reaction,International Journal of Hydrogen Energy,2018.
14. Tavanarad, M., Meshkani, F. and Rezaei, M,Production of syngas via glycerol dry reforming on Ni catalysts supported on mesoporous nanocrystalline Al2O3,3. Journal of CO2 Utilization,2018.
15. VS Gharahshiran, Z Taherian, A Khataee, F Meshkani, Y Orooji,Samarium-impregnated nickel catalysts over SBA-15 in steam reforming of CH4 process,Journal of Industrial and Engineering Chemistry,2020.
16. Rastegarpanah, A., Rezaei, M., Meshkani, F., Zhang, K., Zhao, X., Pei, W., Liu, Y., Deng, J., Arandiyan, H. and Dai, H,Mesoporous Ni/MeOx (Me= Al, Mg, Ti, and Si): Highly efficient catalysts in the decomposition of methane for hydrogen production,Applied Surface Science,2019.
17. Journal of the Energy Institute,. Characterization and evaluation of mesoporous high surface area promoted Ni-Al2O3 catalysts in CO2 methanation,Journal of the Energy Institute,2019.