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مقالات چاپ شده در نشریات بین المللی

- 1) Yadallah Mortazavi, Rr Hudgins , and Pl Silveston . "Dynamics of catalytic methane coupling." INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 36, no. 8 (1997): 2970-2975.
- 2) Shohreh Fatemi, Mohammad A Moosavian , Giti Abolhamd , Yadallah Mortazavi, and Robert R Hudgins . "Reaction rate Hysteresis in Hydrotreating of Thiophene in Wide and Narrow Pore Catalysts During Temperature cycling." CANADIAN JOURNAL OF CHEMICAL ENGINEERING 80, no. 2 (2002): 231-238.
- 3) H Hesamzadeh , B Ganjipour , S Mohajerzadeh , A Khodadadi , Yadallah Mortazavi, and S Kiani . "ECVD - growth of carbon nanotubes using a modified tip - plate configuration." CARBON -, no. 42 (2004): 1043-1047.
- 4) Yadallah Mortazavi. "CeO₂ doped Sn₂ sensor selective to ethanol in presence of CO, LPG and CH₄." SENSORS AND ACTUATORS B-CHEMICAL -, no. --- (2005): -.
- 5) Yadallah Mortazavi, Bahman Eliasi , Shamsedin Mohajerzade , Mohammad Sahimi , and Nafise Rajabbeygi . "Oxygen sensor with solid - state CeO₂ - ZrO₂ - TiO₂ reference." SENSORS AND ACTUATORS B-CHEMICAL 108, no. 1-2 (2005): 341-345.
- 6) Reza Gheitanchi , Abbasali Khodadadi, Majid Taghipour , and Yadallah Mortazavi. "Effects of ceria addition and pre - calcination temperature on performance of cobalt catalysts for Fischer - Tropsch synthesis." Reaction Kinetics Mechanisms and Catalysis 88, no. 2 (2006): 225-232.
- 7) Ali Morad Rashidi , Mohammad Mehdi Akbarnejad , Abbasali Khodadadi, Yadallah Mortazavi, and Ali Ahmadpour . "Single - wall carbon nanotubes synthesized using organic additives to Co - Mo catalysts supported on nsoporous MgO." NANOTECHNOLOGY 18, no. 31 (2007): -.
- 8) شهرام شریفی نیا , (2008) International Journal of Chemical Engineering 83, no. 6 (2008) :-(Abbasali Khodadadi, and Yadallah Mortazavi. "Improving C₁₁ Hydrocarbon Product Selectivity by Hydrogen Distribution in Fischer - Tropsch Synthesis."
- 9) Yadallah Mortazavi, R R Hudgins , and P L Silveston . "Catalytic methane coupling under periodic operation." CANADIAN JOURNAL OF CHEMICAL ENGINEERING 74, no. 5 (2009): 683-694.
- 10) Maryam Zaman , Abbasali Khodadadi, and Yadallah Mortazavi. "FischerTropsch synthesis over cobalt dispersed on carbon nanotubes-based supports and activated carbon." FUEL PROCESSING TECHNOLOGY 90, no. 10 (2009): 1214-1219.
- 11) Morteza Maghrebi , Abbasali Khodadadi, Yadallah Mortazavi, Ali Sane , Mohsen Rahimi , Yaser Shirazi , Zviad Tsakadze , and Subodh Mhaisalkar . "Acetic acid effects on enhancement of growth rate and reduction of amorphous carbon deposition on CNT arrays along a growth window in a floating catalyst reactor." APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 97, no. 2 (2009): 417-424.
- 12) زینب قلی پور , عظیم ملکزاده , رضا حاتمی , (2010) Journal of Natural Gas Chemistry 19, no. 1 (2010) :-(Yadallah Mortazavi, and Abbasali Khodadadi. "Oxidative coupling of methane over (Na₂WO₄+Mn or Ce) / SiO₂ catalysts :In situ measurement of electrical conductivity."

- 13) Zeinab Gholipour , Azim Malekzadeh , Reza Hatami , Yadallah Mortazavi, and Abasali Khodadadi . "Oxidative coupling of methane over Na₂WO₄Mn or Ce / SiO₂ catalysts In situ measurement of electrical conductivity." *Journal of Natural Gas Chemistry* 19, no. 1 (2010): 35-42.
- 14) Somaye Hosseinpour , Shohreh Fatemi, Yadallah Mortazavi, Mohamad Gholamhoseini , and Mohammad Takht Ravanchi . " Performance of CaX Zeolite for separation of C₂H₆ C₂H₄ and CH₄ by Adsorption Process Capacity Selectivity and Dynamic Adsorption Measurements." *SEPARATION SCIENCE AND TECHNOLOGY* 46, no. 2 (2010): 349-355.
- 15) Abbasali Khodadadi, Ali Sane , Mohsen Rahimi , Morteza Maghrebi , Yadallah Mortazavi, and Subodh Mhaisalkar . "The effects of carrier gas and liquid feed flowrates on longitudinal patterns of CNT growth." *MATERIALS CHEMISTRY AND PHYSICS* 124, no. 2,3 (2010): 1139-1145.
- 16) Naseh Masoud Vesali , Abbasali Khodadadi, Yadallah Mortazavi, Fathollah Pourfayaz , Alizadeh Ommolbanin , and Morteza Maghrebi . "Fast and clean functionalization of carbon nanotubes by dielectric barrier discharge plasma in air compared to acid treatment." *CARBON* 48, no. --- (2010): -.
- 17) Sajjad Habibzadeh , Amin Kazemi Beydokhti , Abbasali Khodadadi, Yadallah Mortazavi, Sasha Omanovic , and Mojtaba Shariati Niasar. "Stability and thermal conductivity of nanofluids of tin dioxide synthesized via microwave - induced combustion route." *CHEMICAL ENGINEERING JOURNAL* 156, no. 2 (2010): 471-478.
- 18) Sajjad Habibzadeh , Abbasali Khodadadi, and Yadallah Mortazavi. "CO and ethanol dual selective sensor of Sm₂O₃ - doped SnO₂ nanoparticles synthesized by microwave - induced combustion." *SENSORS AND ACTUATORS B-CHEMICAL* 144, no. 1 (2010): 131-138.
- 19) Ali Morad Rashidi , Amidod Din Nouralishahi , Abbasali Khodadadi, Yadallah Mortazavi, A Karimi , and K Kashefi . "Modification of single wall carbon nanotubes SWNT for hydrogen storage." *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY* 35, no. 17 (2010): 9489-9495.
- 20) Sajad Habibzadeh , Yadallah Mortazavi, and Abbasali Khodadadi. "Novel Microwave - Induced Combustion Synthesis Of SnO₂ Nanoparticles For Selective Sensing Of Co Using Tin Chloride." *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY* 10, no. 9 (2010): 6008-6003.
- 21) Akbar Zamaniyan , Yadallah Mortazavi, Abbasali Khodadadi, and Hossein Manafi . "Tube fitted bulk monolithic catalyst as novel structured reactor for gas-solid reactions." *APPLIED CATALYSIS A-GENERAL* 385, no. 1-2 (2010): 214-223.
- 22) Abdolhossein Razeghi , Abbasali Khodadadi, Hesam Ziaei Azad , and Yadallah Mortazavi. "Activity enhancement of Cu - doped ceria by reductive regeneration of CuO-CeO₂ catalyst for preferential oxidation of CO in H₂ - rich streams." *CHEMICAL ENGINEERING JOURNAL* 164, no. 1 (2010): 214-220.
- 23) Naghme Faal Hamedani , Ali Reza Mahjoub , Abbasali Khodadadi, and Yadallah Mortazavi. "Microwave assisted fast synthesis of various ZnO morphologies for selective detection of CO CH₄ and ethanol." *SENSORS AND ACTUATORS B-CHEMICAL* 156, no. 2 (2011): 737-742.
- 24) Akbar Zamaniyan , Abbasali Khodadadi, Yadallah Mortazavi, and Hossein Manafi . "Comparative model analysis of the performance of tube fitted bulk monolithic catalyst with conventional pellet shapes for natural gas reforming." *JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY* 17, no. 4 (2011): 767-776.
- 25) Behnam Bahrami , Abbasali Khodadadi, Yadallah Mortazavi, and Mohammad Esmaeili. "Short time synthesis of high quality carbon nanotubes with high rates by CVD of methane on continuously emerged iron nanoparticles." *APPLIED SURFACE SCIENCE* 257, no. 23 (2011): 9710-9716.
- 26) Masoud Rismanchian , Farideh Golbabaee , Yadallah Mortazavi, Gholamhossein Pourtaghi , Abbas Rahimi Foroushani , and Parvin Nassiri . "A Comparative Evaluation of TiO₂ Suspension Coating Techniques: A Novel Technique to Achieve Optimal Thickness and Uniformity of Photocatalytic Film." *INTERNATIONAL JOURNAL OF PHOTOENERGY* 2012, no. --- (2012): 1-9.
- 27) Leila Samandari Masouleh , Navid Mostoufi , Abbasali Khodadadi, Yadallah Mortazavi, and Morteza Maghrebi . "Modeling the Growth of Carbon Nanotubes in a Floating Catalyst Reactor." *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH* 51, no. 3 (2012): 1143-1149.

- 28) Fathollah Pourfayaz, Yadallah Mortazavi, Abbasali Khodadadi, and Seyed Hasan Jafari Aman Abadi. "Rapid and enhanced functionalization of MWCNTs in a dielectric barrier discharge plasma in presence of diluted CO₂." APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 106, no. 4 (2012): 829-836.
- 29) Leila Samandari Masooleh , Navid Mostoufi, Yadallah Mortazavi, Abbasali Khodadadi, and Morteza Maghrebi . "Kinetic modeling of carbon nanotube production and minimization of amorphous carbon overlayer deposition in floating catalyst method." International Journal of Chemical Reactor Engineering 10, no. 1 (2012): 23-1.
- 30) Abbasali Khodadadi, Hengameh Fatemi , Azam Anaraki Firooz , and Yadallah Mortazavi. "Apple – biomorphic synthesis of porous ZnO nanostructures for glucose direct electrochemical biosensor." CURRENT APPLIED PHYSICS 12, no. 4 (2012): 1033-1038.
- 31) Naghmeh Faal Hamedani , Ali Reza Mahjoub , Abbasali Khodadadi, and Yadallah Mortazavi. "CeO₂ doped ZnO flower - like nanostructure sensor selective to ethanol in presence of CO and CH₄." SENSORS AND ACTUATORS B-CHEMICAL 169, no. 5 (2012): 67-73.
- 32) Sedigheh Dadaye Ghandi, Abbasali Khodadadi, Masoud Vesali Naseh , and Yadallah Mortazavi. "Highly sensitive and selective sensors to volatile organic compounds using MWCNTs / SnO₂." SENSORS AND ACTUATORS B-CHEMICAL 166, no. 1 (2012): 150-155.
- 33) Elaheh Esmaeili Elaheh Esmaeili, Yadallah Mortazavi, Abbasali Khodadadi, Ali Morad Rashidi , and Mehdi Rashidzadeh . "The role of tin-promoted Pd/MWNTs via the management of carbonaceous species in selective hydrogenation of high concentration acetylene." APPLIED SURFACE SCIENCE 263, no. --- (2012): 513-522.
- 34) Ehsan Frozandeh Mehr , Azim Malekzadeh , Mahnaz Ghiasi , Ahmad Gholizadeh , Yadallah Mortazavi, and Abbasali Khodadadi. " Effect of partial substitution of lanthanum by strontium or bismuth on structural features of the lanthanum manganite nanoparticles as a catalyst for carbon monoxide oxidation." CATALYSIS COMMUNICATIONS 28, no. --- (2012): 32-37.
- 35) Sarah Maghsoodi , Jafar Towfighi , Abbasali Khodadadi, and Yadallah Mortazavi. "The effects of excess manganese in nano-size lanthanum manganite perovskite on enhancement of trichloroethylene oxidation activity." CHEMICAL ENGINEERING JOURNAL 215–216, no. --- (2013): 827-837.
- for methanol electro-oxidation reaction." JOURNAL OF COLLOID AND INTERFACE SCIENCE 393, no. 20, 13 (2013): 299-291.
 علی مراد رشیدی , and Yadallah Mortazavi. "Vanadium oxide decorated carbon nanotubes as a promising support of Pt nanoparticles
- 36) Amidan Nor Alishahi, Abbasali Khodadadi,
- 37) Sadegh Ahmadnia-feyzabad, Yadallah Mortazavi, Abbasali Khodadadi, and Sahar Hemmati. "Sm₂O₃ doped-SnO₂ nanoparticles, very selective and sensitive to volatile organic compounds." SENSORS AND ACTUATORS B-CHEMICAL 181, no. 1 (2013): 910.
- 38) Hamide Mohammad Aliha, Abbasali Khodadadi, and Yadallah Mortazavi. "The sensing behavior of metal oxides (ZnO, CuO and Sm₂O₃) doped-SnO₂ for detection of low concentrations of chlorinated volatile organic compounds." SENSORS AND ACTUATORS B-CHEMICAL 181, no. 1 (2013): 637.
- 39) , Abbasali Khodadadi, and Yadallah Mortazavi. "Vapor-phase selective o-alkylation of catechol with methanol over lanthanum phosphate and its modified catalysts with Ti and Cs." JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL 372, no. 1 (2013): 79-83.
- 40) Ali Abedi Jafari, Abbasali Khodadadi, and Yadallah Mortazavi. "Vapor-phase selective o-alkylation of catechol with methanol over lanthanum phosphate and its modified catalysts with Ti, and Cs." Journal of Molecular Catalysis A: Chemical 372, no. 1 (2013): 79.
- 41) Ehsan Nikan, Abbasali Khodadadi, and Yadallah Mortazavi. "Highly enhanced response and selectivity of electrospun ZnO-doped SnO₂ sensors to ethanol and CO in presence of CH₄." SENSORS AND ACTUATORS B-CHEMICAL 184, no. 1 (2013): 196.
- 42) Fathollah Pourfayaz, Seyed Hasan Jafari Aman Abadi, Abbasali Khodadadi, Yadallah Mortazavi, and Hossein Ali Khonakdar. "On the dispersion of CNTs in polyamide 6 matrix via solution methods: assessment through electrical, rheological, thermal and morphological analyses." POLYMER BULLETIN 70, no. 8 (2013): 2387-2398.
- supported on functionalized MWNTs for low temperature NO_x reduction with NH₃." APPLIED SURFACE SCIENCE 279, no. 1 (2013): 250.
 Abdosamad Zarin Ghalam Moghadam, , جعفر توفیقی , and Yadallah Mortazavi. "Preparation of highly active manganese oxides
- 43) Mahnaz Pourkhalil,

- 44) Akbar Zamaniyan, Yadallah Mortazavi, Abbasali Khodadadi, and Ali Nakhaei Pour. "Effect of mass transfer limitations on catalyst performance during reduction and carburization of iron based Fischer-Tropsch synthesis catalysts." *Journal of Energy Chemistry* 22, no. 1 (2013): 795.
- 45) Elaheh Esmaeili, Alimorad Rashidi, Yadallah Mortazavi, Abbasali Khodadadi, and Medi Rashidzadeh. "SMFs-supported Pd nanocatalysts in selective acetylene hydrogenation: Pore structure-dependent deactivation mechanism." *Journal of Energy Chemistry* 22, no. 1 (2013): 717.
- 46) Negahdar Hosseinpour, Abbasali Khodadadi, Alireza Bahramian, and Yadallah Mortazavi. "Asphaltene adsorption onto acidic/basic metal oxide nanoparticles: Toward in situ upgrading of reservoir oils by nanotechnology." *LANGMUIR* 29, no. 1 (2013): 14135.
- 47) Monireh Kasalizadeh, Abbasali Khodadadi, and Yadallah Mortazavi. "Coupled Metal Oxide-Doped Pt/SnO₂ Semiconductor and Yttria-Stabilized Zirconia Electrochemical Sensors for Detection of VOCs." *JOURNAL OF THE ELECTROCHEMICAL SOCIETY* 160, no. 11 (2013): B218.
- 48) Mino Bagheri, Abbasali Khodadadi, Ali Reza Mahjoub, and Yadallah Mortazavi. "Highly sensitive gallia-SnO₂ nanocomposite sensors to CO and ethanol in presence of methane." *SENSORS AND ACTUATORS B-CHEMICAL* 188, no. 1 (2013): 45.
- 49) Masoud Vesali-naseh, Yadallah Mortazavi, Abbasali Khodadadi, Pourya Parsaeian, and Ali Akbar Moosavi Movahhedi. "Plasma thiol-functionalized carbon nanotubes decorated with gold nanoparticles for glucose biosensor." *SENSORS AND ACTUATORS B-CHEMICAL* 188, no. 1 (2013): 488.
- 50) Ali Alinezhadchamazketi, Abbasali Khodadadi, Yadallah Mortazavi, and Ahmad Nemati. "Catalytic evaluation of promoted CeO₂-ZrO₂ by transition, alkali, and alkaline-earth metal oxides for diesel soot oxidation." *JOURNAL OF ENVIRONMENTAL SCIENCES* 25, no. 12 (2013): 2498.
- 51) Masoud Vesali-naseh, Abbasali Khodadadi, Yadallah Mortazavi, and Saghar Masoomi-goodarzi. "Highly Stable and Selective Non-Enzymatic Glucose Biosensor Using Carbon Nanotubes Decorated by Fe₃O₄ Nanoparticles." *JOURNAL OF THE ELECTROCHEMICAL SOCIETY* 161, no. 1 (2014): B19-B25.
- 52) Mino Bagheri, Alireza Mahjoub, Abbasali Khodadadi, and Yadallah Mortazavi. "Fast photocatalytic degradation of congo red using CoO-doped β -Ga₂O₃ nanostructures ." *RSC Advances* 4, no. 63 (2014): 33262.
- 53) Maryam Yousef Elahi, Abbasali Khodadadi, and Yadallah Mortazavi. "A Glucose Biosensor Based on Glucose Oxidase Immobilized on ZnO/Cu₂O Graphene Oxide Nanocomposite Electrode." *JOURNAL OF THE ELECTROCHEMICAL SOCIETY* 161, no. 5 (2014): B81-B87.
- 54) Morteza Maghrebi, Ali Sane, Kourosh Esfandiari, Abbasali Khodadadi, and Yadallah Mortazavi. "Simultaneous Effect of the Catalyst Precursor Concentration and the Longitudinal Position on the Growth Patterns of Multiwalled Carbon Nanotubes." *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH* 53, no. 3 (2014): 1293-1300.
- 55) Sahar Vahdatifar, Abbasali Khodadadi, and Yadallah Mortazavi. "Effects of nanoadditives on stability of Pt/SnO₂ as a sensing material for detection of CO." *SENSORS AND ACTUATORS B-CHEMICAL* 1, no. 191 (2014): 421-430.
- 56) Elaheh Esmaeili, Alimorad Rashidi, Abbasali Khodadadi, Yadallah Mortazavi, and Medi Rashidzadeh. "Palladium-Tin nanocatalysts in high concentration acetylene hydrogenation: A novel deactivation mechanism." *FUEL PROCESSING TECHNOLOGY* 120, no. 1 (2014): 113-122.
- 57) Amir Hossein Shahbazi Kootenaei, Jafar Towfighi, Abbasali Khodadadi, and Yadallah Mortazavi. "Stability and catalytic performance of vanadia supported on nanostructured titania catalyst in oxidative dehydrogenation of propane." *APPLIED SURFACE SCIENCE* 298, no. 1 (2014): 26-35.
- 58) Ali Mansouri, Abbasali Khodadadi, and Yadallah Mortazavi. "Ultra-deep adsorptive desulfurization of a model diesel fuel on regenerable Ni-Cu/ γ -Al₂O₃ at low temperatures in absence of hydrogen." *JOURNAL OF HAZARDOUS MATERIALS* 271, no. 1 (2014): 120-130.
- 59) Amir Rohi, Hossein Kazerooni, Yadallah Mortazavi, and Abbasali Khodadadi. "Effects of fuel-borne catalysts on kinetics of oxidation of diesel soot generated by pre-mixed pre-vaporized flame." *SCIENTIA IRANICA* 21, no. 6 (2014): 2098.

- 60) , Arien Taheri, Yadallah Mortazavi, Abbasali Khodadadi, and Ali Taheri Najafabadi. "Ru promoted cobalt catalyst on γ -Al₂O₃: Influence of different catalyst preparation method and Ru loadings on Fischer–Tropsch reaction and kinetics." APPLIED SURFACE SCIENCE 313, no. 1 (2014): 183-195.
- 61) Zahra Rastian, Abbasali Khodadadi, Masoud Vesali-naseh, Yadallah Mortazavi, and Farzaneh Vahabzadeh. "Facile surface functionalization of multiwalled carbon nanotubes by soft dielectric barrier discharge plasma: Generate compatible interface for lipase immobilization." BIOCHEMICAL ENGINEERING JOURNAL 90, no. 1 (2014): 16-26.
- 62) Negahdar Hosseinpour, Yadallah Mortazavi, and Abbasali Khodadadi. "Cumene cracking activity and enhanced regeneration of FCC catalysts comprising HY-zeolite and LaBO₃ (B=Co, Mn, and Fe) perovskites." APPLIED CATALYSIS A-GENERAL 487, no. 1 (2014): 26-35.
- 63) Sara Salehi, Ehsan Nikan, Yadallah Mortazavi, and Abbasali Khodadadi. "Highly sensitive carbon nanotubes-SnO₂ nanocomposite sensor for acetone detection in diabetes mellitus breath." SENSORS AND ACTUATORS B-CHEMICAL 205, no. 1 (2014): 261-267.
- 64) M.h. Saberi, Yadallah Mortazavi, and Abbasali Khodadadi. "Dual selective Pt/SnO₂ sensor to CO and propane in exhaust gases of gasoline engines using Pt/LaFeO₃ filter." SENSORS AND ACTUATORS B-CHEMICAL 206, no. 206 (2015): 617-623.
- 65) Gygtgtg Ko9ko0ki9, Jafar Towfighi, Abbasali Khodadadi, and Yadallah Mortazavi. "Characterization and Deactivation Study of Mixed Vanadium and Potassium Oxide Supported on Microemulsion-Mediated Titania Nanoparticles as Catalyst in Oxidative Dehydrogenation of Propane." International Journal of Chemical Reactor Engineering 13, no. 1 (2015): 9-19.
- 66) Alireza Banisharif, Abbasali Khodadadi, Yadallah Mortazavi, Azam Anaraki Firooz, Javad Beheshtian, Shaghayegh Agah, and Sadra Menbari. "Highly active Fe₂O₃-doped TiO₂ photocatalyst for degradation of trichloroethylene in air under UV and visible light irradiation: Experimental and computational studies." APPLIED CATALYSIS B-ENVIRONMENTAL 165, no. 165 (2015): 209-221.
- 67) Mahsa Gholami, Abbasali Khodadadi, Azam Anaraki Firooz, and Yadallah Mortazavi. "In₂O₃–ZnO nanocomposites: High sensor response and selectivity to ethanol." SENSORS AND ACTUATORS B-CHEMICAL 212, no. 1 (2015): 395-403.
- 68) Saba Karimi, Ahmad Tavasoli, Yadallah Mortazavi, and Ali Karimi. "Cobalt supported on Graphene – A promising novel Fischer–Tropsch synthesis catalyst." APPLIED CATALYSIS A-GENERAL 499, no. 1 (2015): 188-196.
- 69) Somayeh Karimi, Danil Korelskiy, Liang Yu, Johanne Mouzon, Abbasali Khodadadi, Yadallah Mortazavi, Mohammad Esmaeili, and Jonas Hedlund. "A simple method for blocking defects in zeolite membranes." JOURNAL OF MEMBRANE SCIENCE 489, no. 1 (2015): 270-274.
- 70) Zahra Rastian, Abbasali Khodadadi, Zheng Guo, Farzaneh Vahabzadeh, and Yadallah Mortazavi. "Plasma Functionalized Multiwalled Carbon Nanotubes for Immobilization of Candida antarctica Lipase B: Production of Biodiesel from Methanolysis of Rapeseed Oil." APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 10, no. 1 (2015): 1-16.
- 71) Minoog Bagheri, Abbasali Khodadadi, Alireza Mahjoub, and Yadallah Mortazavi. "Strong effects of gallia on structure and selective responses of Ga₂O₃–In₂O₃ nanocomposite sensors to either ethanol, CO or CH₄." SENSORS AND ACTUATORS B-CHEMICAL 220, no. 220 (2015): 590-599.
- 72) Amin Bazaryari, Abbasali Khodadadi, Alireza Haghghat Mamaghani, Javad Beheshtian, Levi Thompson, and Yadallah Mortazavi. "Microporous titania–silica nanocomposite catalyst-adsorbent for ultra-deep oxidative desulfurization." APPLIED CATALYSIS B-ENVIRONMENTAL 180, no. 1 (2016): 65-77.
- 73) Amin Bazaryari, Yadallah Mortazavi, Abbasali Khodadadi, Levi T. Thompson, Reza Tafreshi, Azadeh Zaker, and Olabode T. Ajenifujah. "Effects of alumina phases as nickel supports on deep reactive adsorption of (4,6-dimethyl) dibenzothiophene: Comparison between γ , δ , and θ -alumina." APPLIED CATALYSIS B-ENVIRONMENTAL 180, no. 1 (2016): 312-323.
- 74) Fahimeh Hooriabad Saboor, Taro Ueda, Kai Kamada, Takeo Hyodo, Yadallah Mortazavi, Abbasali Khodadadi, and Yasuhiro Shimizu. "Enhanced NO₂ gas sensing performance of bare and Pd-loaded SnO₂ thick film sensors under UV-light irradiation at room temperature." SENSORS AND ACTUATORS B-CHEMICAL 223, no. 1 (2016): 429-439.
- 75) Ali Taheri Najafabadi, Abbasali Khodadadi, Mohammad Javad Parnian, and Yadallah Mortazavi. "Atomic layer deposited Co/ γ -Al₂O₃ catalyst with enhanced cobalt dispersion and Fischer–Tropsch synthesis activity and selectivity." APPLIED CATALYSIS A-GENERAL 511, no. 1 (2016): 31-46.

- 76) Mino Bagheri, Abbasali Khodadadi, Ali Reza Mahjoub, and Yadallah Mortazavi. "Gallia-ZnO nanohybrid sensors with dramatically higher sensitivity to ethanol in presence of CO, methane and VOCs." *SENSORS AND ACTUATORS B-CHEMICAL* 223, no. 1 (2016): 576-585.
- 77) Hadi Ranji-burachaloo, Saghar Masoomi-godarzi, Abbasali Khodadadi, and Yadallah Mortazavi. "Synergetic effects of plasma and metal oxide catalysts on diesel soot oxidation." *APPLIED CATALYSIS B-ENVIRONMENTAL* 182, no. 1 (2016): 74-84.
- 78) Hossein Kazerooni, Amir Rouhi, Abbasali Khodadadi, and Yadallah Mortazavi. "Effects of Combustion Catalyst Dispersed by a Novel Microemulsion Method as Fuel Additive on Diesel Engine Emissions, Performance, and Characteristics." *ENERGY & FUELS* 30, no. 4 (2016): 3392-3402.
- 79) Maede Salmasi, Shohreh Fatemi, and Yadallah Mortazavi. "Fabrication of promoted TiO₂ nanotubes with superior catalytic activity against TiO₂ nanoparticles as the catalyst of oxi-desulfurization process." *JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY* 39, no. 1 (2016): 66-76.
- 80) Mahtab Naderinasrabadi, Yadallah Mortazavi, and Abbasali Khodadadi. "Highly sensitive and selective Gd₂O₃-doped SnO₂ ethanol sensors synthesized by a high temperature and pressure solvothermal method in a microreactor." *SENSORS AND ACTUATORS B-CHEMICAL* 230, no. 1 (2016): 130-139.
- 81) Zynab Hajjar, Abbasali Khodadadi, Yadallah Mortazavi, Shokofeh Tayyebi, and Saeed Soltanali. "Artificial intelligence modeling of DME conversion to gasoline and light olefins over modified nano ZSM-5 catalysts." *FUEL* 179, no. 1 (2016): 79-86.
- 82) Somayeh Karimi, Daniel Korelskiy, Yadallah Mortazavi, Abbasali Khodadadi, Kamyar Sardari, Mohammad Esmaili, Oleg N. Antzutkin, Faiz Ullah Shah, and Jonas Hedlund. "High flux acetate functionalized silica membranes based on in-situ co-condensation for CO₂/N₂ separation." *JOURNAL OF MEMBRANE SCIENCE* 520, no. 520 (2016): 574-582.
- 83) Fahimeh Hooriabad Saboor, Abbasali Khodadadi, Yadallah Mortazavi, and Mehرداد Asgari. "Microemulsion synthesized silica/ZnO stable core/shell sensors highly selective to ethanol with minimum sensitivity to humidity." *SENSORS AND ACTUATORS B-CHEMICAL* 238, no. 238 (2017): 1070-1083.
- 84) Mahdi Davoodpour, Reza Tafreshi, Abbasali Khodadadi, and Yadallah Mortazavi. "Two-stage cracking catalyst of amorphous silica-alumina on Y zeolite for enhanced product selectivity and suppressed coking." *KOREAN JOURNAL OF CHEMICAL ENGINEERING* 34, no. 3 (2017): 681-691.
- 85) Maedeh Arvani, Hamide Mohammad Aliha, Abbasali Khodadadi, and Yadallah Mortazavi. "Graphene oxide/SnO₂ Nanocomposite as Sensing Material for Breathalyzers: Selective Detection of Ethanol in the presence of Automotive CO and Hydrocarbons Emissions." *SCIENTIA IRANICA* 0, no. 0 (2017): 0-0.
- 86) Mehرداد Asgari, Fahimeh Hooriabad Saboor, Yadallah Mortazavi, and Abbasali Khodadadi. "SnO₂ decorated SiO₂ chemical sensors: Enhanced sensing performance toward ethanol and acetone." *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING* 68, no. 68 (2017): 87-96.
- 87) Saeed Saedi, Javier Palazon, Safoura Javan Javan, Julius Van Der Werf, Abbasali Khodadadi, and Yadallah Mortazavi. "Understanding the mechanism of synthesis of Pt₃Co intermetallic nanoparticles via preferential chemical vapor deposition." *Journal of Materials Chemistry A* 5, no. 46 (2017): 24396.
- 88) Fatemeh Mohammadi, Masoud Vesali-Nseh, Abbasali Khodadadi, and Yadallah Mortazavi. "A Comparison of a Nanostructured Enzymeless Au/Fe₂O₃/MWCNTs/GCE Electrode and a GOx Modified One in Electrocatalytic Detection of Glucose." *ELECTROANALYSIS* 30, no. 9 (2018): 2044-2052.
- 89) Hadi Bazzazzadegan, Yadallah Mortazavi, Abbasali Khodadadi, and Maryam Mohegheghian. "Large-grain CH₃NH₃PbI₃ film by incorporation of urea in one-step solution process." *SUPERLATTICES AND MICROSTRUCTURES* 123, no. 1 (2018): 218-225.
- 90) Fatemeh Sadat Fateminiiaa, Yadallah Mortazavi, and Abbasali Khodadadi. "Au-promoted Ce-Zr catalytic filter for Pt/SnO₂ sensor to selectively detect methane and ethanol in the presence of interfering indoor gases." *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING* 90, no. 1 (2019): 182-189.

- 91) Hosein Bidgoli, Yadallah Mortazavi, and Abbasali Khodadadi. "A functionalized nano-structured cellulosic sorbent aerogel for oil spill cleanup: Synthesis and characterization." JOURNAL OF HAZARDOUS MATERIALS 366, no. 1 (2019): 229-239.
- 92) Abbasali Khodadadi, Yadallah Mortazavi, and Masoud Vesali-naseh. "Fast and clean dielectric barrier discharge plasma functionalization of carbon nanotubes decorated by electrodeposited NiO: Application to glucose biosensors." SCIENTIA IRANICA 0, no. 0 (2019): 0-0.
- 93) Hosein Bidgoli, Abbasali Khodadadi, and Yadallah Mortazavi. "A hydrophobic/oleophilic chitosan-based sorbent: Toward an effective oil spill remediation technology." Journal of Environmental Chemical Engineering 7, no. 5 (2019): 103340.
- 94) Somayeh Karimi, Yadallah Mortazavi, Abbasali Khodadadi, Allan Holmgren, Danil Korelskiy, and Jonas Hedlund. "Functionalization of silica membranes for CO2 separation." SEPARATION AND PURIFICATION TECHNOLOGY 235, no. 1 (2020): 116207.

مقالات چاپ شده در نشریات داخلی

- 1) Sadegh Haji Tarverdi , Mohammad Sadegh , Yadallah Mortazavi, and Abbasali Khodadadi. "Synergetic effects of plasma, temperature and diluent on nonoxidative conversion of methane to C2+ hydrocarbons in dielectric barrier discharge reactor." IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION 24, no. 4 (2005): -.
- 2) Tavasoli Ahmad , Yadallah Mortazavi, Abbasali Khodadadi, Mousavian Mohammad Ali , Sadagiani Kambiz , and Karimi Ali . "Effects of different loadings of Ru and Re on physico - chemical properties and performance of 15% Co/Al2O3 FTS catalysts." IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION 24, no. 3 (2005): -.
- 3) Alimorad Rashidi , Yadallah Mortazavi, Abbas Ali Khodadadi , and Mahdi Akbarnejad Mohammad . "The preparation of bamboo structured carbon nanotube." IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION 25, no. 3 (2006): 13-9.
- 4) Ahmad Tavasoli, Mohammad Irani , Ali Nakhaeipour , Yadallah Mortazavi, Abbasali Khodadadi, and Ajay K Dalai . "Preparation of a Novel Super Active Fischer - Tropsch Cobalt Catalyst Supported on Carbon Nanotubes." IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION 28, no. 1 (2009): 48-37.
- 5) Z Gholipour , Azim Malekzadeh , M Ghiasi , Yadallah Mortazavi, and Abbasali Khodadadi. "Structural flexibility under oxidative coupling of methane; main chemical role of alkali ion in [Mn+(Li, Na, K or Cs)+W]/SiO2 catalysts." IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, TRANSCATION B: ENGINEERING A2, no. --- (2012): 189-211.

6) عباسعلی خدادادنی، عنایت اله راجی ، محمد صادق حاجی تاروردی و یداله مرتضوی . "واکنش اکسایشی متان (OCM) در محیط پلاسمای هاله سرد." شیمی و مهندسی شیمی ایران 23، 1 (1383): 7-16.

7) عباسعلی خدادادنی، علیرضا طالبی زاده ، وحید صالحون و یداله مرتضوی . "بررسی واکنش زوج شدن اکسایشی متان (OCM) روی کاتالیست Mn/Na2WO4/SiO2 در راکتورهای بستر سیال و ثابت." شیمی و مهندسی شیمی ایران 26، 4 (1386): 63-71.

همایش‌های بین المللی

- 1) Yadallah Mortazavi , , and . "Periodic operation of the oxidative coupling of methane on Ce/Li/MgO catalyst." 12th Canadian Symposium on Catalysis, Banff.
- 2) Yadallah Mortazavi. "Periodic operation of the oxidative coupling of methane on Ce/Li/MgO catalyst." 12th Canadian Symposium on Catalysis, Banff.
- 3) Yadallah Mortazavi , , and . "Catalytic methane coupling under forced composition cycling." 43th Canadian Chemical Engineering Conference, Ottawa.
- 4) Yadallah Mortazavi, and Abbasali Khodadadi. "Upgrading processes of visbreaker naphtha to gasoline." 48th Canadian Chemical Engineering Conference, London.
- 5) Seye Shamsodin Mohajer Zadeh , , and Yadallah Mortazavi. "Fabrication of SnO2 based semiconductor gas sensors for combustible and pollutant gases." Int. Conf. Microelectronics, Tehran.
- 6) Abbasali Khodadadi, Yadallah Mortazavi, and . "Effect of water and carbon dioxide on oxidative coupling of methane in the presence of Li/MgO and Li/Ce/MgO catalysts." 5th National and 4th International Chemical Engineering Congress, Shiraz.

- 7) Shohreh Fatemi, Seyed Mohammad Ali Mousavian, Giti Abolhamd , Yadallah Mortazavi, and . "Hydrodesulfurization catalytic reaction accompanied by capillary condensation." 50th Canadian Chemical Engineering Conference, Montreal.
- 8) Yadallah Mortazavi. "Low temperature high-yield oxidative coupling of methane in the presence of DC corona." 17th Canadian Conference on Catalysts, Vancouver.
- 9) , Seye Shamsodin Mohajer Zadeh, and Yadallah Mortazavi. "Low-temperature high-yield oxidative coupling of methane in the presence of DC corona." 17th Canadian Conference on Catalysts, Vancouver.
- 10) Shohreh Fatemi, Giti Abolhamd , Seyed Mohammad Ali Mousavian, and Yadallah Mortazavi. "Effect of partial internal wetting of hydrotreating catalyts in kinetics of HDS reaction." 7th National Chemical Engineering Congress, Tehran.
- 11) Yadallah Mortazavi , Seye Shamsodin Mohajer Zadeh, and . "PECVD-growth of carbon nanotubes using a modified tip-plate configuration." E-MRS Spring Meeting 2003, Strasbourg.
- 12) Yadallah Mortazavi , , Abbasali Khodadadi , and . "Preparation of SWNTs by CVD method over Co-Mo/MgO catalyst using different additives." Carbon'03; The International Conference on Carbon, Oviedo.
- 13) , , Yadallah Mortazavi, and Seye Shamsodin Mohajer Zadeh. "Effects of temperature and promoter on sensitivity and selectivity of SnO₂-based semiconductors." The 8th Iranian National Chemical Engineering Congress, Mashhad.
- 14) , Yadallah Mortazavi, and . "Selectivity enhancement for middle distillate in Fischer-Tropsch synthesis by hydrogen distribution along a fixed-bed reactor." The 8th Iranian National Chemical Engineering Congress, Mashhad.
- 15) , , , Yadallah Mortazavi , and . "Carbon nanotube synthesis by chemical vapor deposition in the presence of catalyst and plasma at atmospheric pressure." The 8th Iranian National Chemical Engineering Congress, Mashhad.
- 16) Yadallah Mortazavi, and . "Preparation and investigations of perovskites for automobile catalytic converters." The 8th Iranian National Chemical Engineering Congress, Mashhad.
- 17) , , Yadallah Mortazavi , and . "C₂ hydrocarbons formation by methane coupling in cold plasma." The 8th Iranian National Chemical Engineering Congress, Mashhad.
- 18) , , Abbasali Khodadadi, Yadallah Mortazavi , and . "Preparation of CNTs with the controlled porosity using Co-Mo/MCM-41 as a template." - , Rhode Island.
- 19) , Yadallah Mortazavi, Abbasali Khodadadi, and . "FTS selectivity enhancement by distributing H₂ along a fixed-bed reactor." The 7th Natural Gas Conversion Symposium, Dalian.
- 20) Yadallah Mortazavi , Abbasali Khodadadi, Seye Shamsodin Mohajer Zadeh, and . "An oxygen sensor with a screen-printed solid-state CeO₂-ZrO₂-TiO₂ reference." International Meetings on Chemical Sensors, Kyoto.
- 21) , Abbasali Khodadadi, Yadallah Mortazavi, and Seye Shamsodin Mohajer Zadeh. "The sensitivity and selectivity analyses of SnO₂ and CeO₂/SnO₂ gas sensors to Ethanol in the presence of CO, LPG and CH₄." International Meetings on Chemical Sensors, Kyoto.
- 22) Yadallah Mortazavi , Abbasali Khodadadi, and . "Support effects on unpromoted and ceria-promoted cobalt catalysts for Fisher-Tropsch synthesis." 13th International Congress on Catalysis, Paris.
- 23) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Novel Catalytic converter with low light off temperature based on LaNiO₃ perovskite synthesized from Raney Ni." 13th International Congress on Catalysis, Paris.
- 24) Yadallah Mortazavi. "Novel Raney nickel perovskite catalyst for use in catalytic converter." 13th International Congress on Catalysis, Paris.
- 25) Yadallah Mortazavi, and Seye Shamsodin Mohajer Zadeh. "The sensivity and selectivity analyses of SnO₂ and CeO₂/SnO₂ gas sensor to ethanol in the presence of CO, LPG and CH₄." The 10th International Meeting on Chemical Sensors, Tsukuba.
- 26) Yadallah Mortazavi, and Abbasali Khodadadi. "Reduction of methane and enhancement of distillate selectivities of Fischer-Tropsch synthesis on a Co/SiO₂ catalyst distributing hydrogen." 13th International Congress on Catalysis, Paris.
- 27) Yadallah Mortazavi. "Porosity control of carbon nanotubes using Co-Mo/MCM-41 as a template." International Conference on the Science and Application of Carbon Nanotube, San Luis Potos?

- 28) Yadallah Mortazavi, and . "CVD synthesis of carbon nanotube on Co-Mo/MgO using nanoporous MgO." International Conference on the Science and Application of Carbon Nanotube, San Luis Potos?.
- 29) , , Yadallah Mortazavi, and . "Porosity control of carbon nanotubes using Co-Mo/MCM-41 as a template." International Conference on the Science and Application of Carbon Nanotubes, San Luis Potos?.
- 30) Yadallah Mortazavi, Abbasali Khodadadi, and . "Non-oxidative non catalytic methane conversion to high molecular weight hydrocarbon using dielectric barrier discharge reactor." International Congress of Chemical and process Engineering (CHISA 04),.
- 31) , Yadallah Mortazavi, Abbasali Khodadadi, and . "Fischer-Tropsch synthesis selectivity enhancement by distributing H₂ along a fixed-bed reactor." 16th International Congress of Chemical and Process Engineering (ChISA), Prague.
- 32) Yadallah Mortazavi. "Fischer-Tropsch selectivity enhancement by distributing H₂ along a fixed-bed reactor." 16th International congress of chemical and process engineering [CHIZA 2004],.
- 33) Yadallah Mortazavi, , Seyed Mohammad Ali Mousavian, and . "Comparing the effects of ruthenium and rhenium on characterization and catalytic properties of cobalt catalyst in Fischer-Tropsch synthesis." 16th International congress of chemical and process engineering, [CHISA 2004],.
- 34) Ali Reza Badiei, Abbasali Khodadadi, , Yadallah Mortazavi, and . "Activity enhancement of LaCoO₃ by using polyethylene glycol." 8th Iranian Inorganic Chemistry Conference, Tabriz.
- 35) , Abbasali Khodadadi, Ali Reza Badiei, Yadallah Mortazavi, and . "The effect of polyethylene glycol as an additive on the structure and performance of perovskite type catalytic converter." 9th Iranian National Chemical Engineering Congress, Tehran.
- 36) , Yadallah Mortazavi, and Ali Afzali Kousha. "Optimizing Low-Power High-Speed Full Adders With Simulated Annealing." Proceedings of the 16th International Conference on Microelectronics, Tunis.
- 37) , Yadallah Mortazavi, and Ali Afzali Kousha. "Clock Delayed Domino Logic with an Efficient Variable Voltage Keeper Threshold." 13th Iranian Conference on Electrical Engineering, Zanjan.
- 38) , Yadallah Mortazavi, , Ali Afzali Kousha, and . "Domino Logic with an Efficient Variable Threshold Voltage Keeper." Proceedings of 2005 IEEE International Symposium on Circuits and Systems, Kobe.
- 39) , Yadallah Mortazavi, Abbasali Khodadadi, Fathollah Pourfayaz, and Seye Shamsodin Mohajer Zadeh. "Highly selective sensor to CH₄ in presence of CO and ethanol using LaCoO₃ perovskite filter with Pt/SnO₂." 13th International Conference on Solid-State Sensors, Actuators and, Seoul.
- 40) , Yadallah Mortazavi, , and Seye Shamsodin Mohajer Zadeh. "Highly Selective sensor to CH₄ in presence of CO and Ethanol using LaCoO₃ perovskite filter with Pt/SnO₂." IEEE Transducers, Seoul.
- 41) , Yadallah Mortazavi, Abbasali Khodadadi, , and . "Continuous production of bulk carbon nanotubes on floating catalysts on MgO in a fluidized bed reactor." NT05: Sixth International Conference on the Science and Application of Nanotub, Gothenburg.
- 42) , Yadallah Mortazavi, Abbasali Khodadadi, and . "Iron-support interaction effects on carbon nanotube synthesis by CCVD of methane." Carbon 2005: International Conference on Carbon, Gyeongju.
- 43) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Effect of pretreatment atmosphere on carbon nanotube growth by CCVD of methane on Fe/MgO catalysts." International Conference on Carbon (Carbon 2005), Gyeongju.
- 44) Mohammad Esmaeili, Yadallah Mortazavi, Abbasali Khodadadi, and . "Natural gas to carbon nanotubes by chemical vapor deposition on Fe/MgO." Carbon 2005: International Conference on Carbon, Gyeongju.
- 45) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Effect of pretreatment atmosphere on carbon nanotube growth by CCVD of methane on Fe/MgO catalysts." Carbon 2005: International Conference on Carbon, Gyeongju.
- 46) , , Abbasali Khodadadi, and Yadallah Mortazavi. "Cu-doped ceria regenerative catalyst for preferential oxidation of CO in H₂-rich streams." 6th World Congress on Oxidation Catalysis, Lille.
- 47) Yadallah Mortazavi, Abbasali Khodadadi, , and . "Effect of ceria loading and pre-calcination temperature on performance of Co-CeO₂/γ-Al₂O₃ catalysts for Fischer-Trosch synthesis." 13th International Congress on Catalysis, Paris.

- 48) , Yadallah Mortazavi, Ali Reza Badiei, and . "Oxidation activity enhancement of LaCoO₃ prepared by combustion synthesis method." 5th World Congress on Oxidation Catalysis,.
- 49) , , Yadallah Mortazavi, and Abbasali Khodadadi. "Critical effect of cobalt on lowering oxidation temperature of exhaust pollutant gases on non-stoichiometric LaCoO₃." 5th World Congress on Oxidation Catalysis,.
- 50) , , , Seye Shamsodin Mohajer Zadeh, and Yadallah Mortazavi. "oxygen sensor with solid state CeO₂-TiO₂ reference." IEEE Sensors, Yerevan.
- 51) Yadallah Mortazavi, Abbasali Khodadadi, , and . "Investigation of oxidation-reduction properties of LaCoO₃ perovskite as the catalyst for unburned hydrocarbons in automobile exhausts." the 10th Iranian National Chemical Engineering Congress, Zahedan.
- 52) , Yadallah Mortazavi, and Ali Afzali Kousha. "An Efficient Forward Biasing Body Bias Generator for Clock Delayed Domino Logic." Proceedings of the 17th International Conference on Microelectronics, Islamabad.
- 53) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Continuous removal of amorphous carbon by CO₂ during carbon nanotube synthesis by CCVD." 6th International Conference on the Science and Application of Nanotubes, Gothenburg.
- 54) Fathollah Pourfayaz, Abbasali Khodadadi, , and Yadallah Mortazavi. "Cerium-doped SnO₂ sensor highly selective to ethanol in humid air." 11th International Meeting on Chemical Sensors,.
- semiconductor metal oxides on electrodes of Lambda-sensors." IMCS 11, Brescia. 55) , , Yadallah Mortazavi, and Abbasali Khodadadi. "Anomalous miniaturized potentiometric lean-burn oxygen sensor using synthesis relative to activated carbon and alumina as cobalt catalyst support." 2006 International Conference on Carbon Nanotubes, Aberdeen.
- 56) , Abbasali Khodadadi, Yadallah Mortazavi, and . "High performance of carbon nanotubes in gas-to-liquid via Fischer-Tropsch and yield of carbon nanotubes grown on a multi-bed of Fe/MgO by CCVD of methane." 2006 International Conference on Carbon Nanotubes, Aberdeen.
- 57) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Improving effects of hydrogen distribution on the quality synthesis by using two different cobalt catalysts in a dual-bed reactor." CHISA 2006, Brescia.
- 58) Ahmad Tavassoli, Abbasali Khodadadi, Yadallah Mortazavi, , and . "Increasing liquid C₅₊ selectivity in Fischer-Tropsch synthesis." 11th International Meeting on Chemical Sensors, Brescia.
- 59) , Abbasali Khodadadi, , and Yadallah Mortazavi. "Effect of ZnO filter on performance of Pt/SnO₂ sensor for detection of LPG in presence of H₂S." The 11th International Meeting on Chemical Sensors, Brescia.
- 60) Ali Reza Talebizadeh Rafsanjani, and Yadallah Mortazavi. "Dynamic of Mn/Na₂WO₄/SiO₂ Catalyst in Oxidative Coupling of Methane." USPC5-Fifth International Conference on Unsteady - State Processes in Catalysis,.
- "Dynamics of Mn/Na₂WO₄/SiO₂ catalyst in oxidative coupling of methane." 61) , , , and Yadallah Mortazavi.
- , and . "The effect of Sr Substitution in LaCoO₃ perovskite on its CO oxidation properties." 62) , , , Yadallah Mortazavi, ,
- of oxygen in oxidative methane coupling reaction by CeO₂/Na₂WO₄/SiO₂ catalyst." 63) , , and Yadallah Mortazavi. "Effects of ceria on activation on the performance of fixed bed reactor in high-pressure Fischer-Tropsch reaction." 64) , Yadallah Mortazavi, and . "Effect of hydrogen distribution of methane on lanthanum-based catalysts promoted by alkali and redox oxide promoters." 65) , and Yadallah Mortazavi. "Oxidative coupling on activity of lanthanum phosphate-based catalyst in selective methylation of catechol." 66) , and Yadallah Mortazavi. "Investigation of the role of acidic and basic sites Products Variation in the Course of Carbon Nanotube Synthesis by Floating Catalysis." 67) Yadallah Mortazavi, , and Abbasali Khodadadi. "Investigation of Longitudinal "Novel microwave-induced combustion method for SnO₂ nanoparticles using SnCl₄." 68) , , and Yadallah Mortazavi.

alumina substrate used as a novel and mediator-free electrode for glucose biosensor." اولین کنگره بین المللی علوم و فناوری نانو , Tehran. Abbasali Khodadadi, Yadallah Mortazavi, and Hedayatollah Ghourchian. "Single wall carbon nanotubes grown by CCVD of methane on an alumina substrate." 69) , Zahra Gholami,

combustion synthesis using sorbitol and polyethylene glycol as fuels." اولین کنگره بین المللی علوم و فناوری نانو , Tehran. 70) Mehrdokht Mehdi Pour, , Yadallah Mortazavi, and Abbasali Khodadadi. "ZnO nanoparticles synthesized by microwave-induced

combustion synthesis of MgO nanoparticles using polyethylene glycol and sorbitol." اولین کنگره بین المللی علوم و فناوری نانو , Tehran. 71) , Abbasali Khodadadi, and Yadallah Mortazavi. "Microwave-induced

TiO₂ Nanoparticles Prepared by Microemulsion Method and Used for Oxygen Sensor." اولین کنگره بین المللی علوم و فناوری نانو , Tehran. 72) , Abbasali Khodadadi, and Yadallah Mortazavi. "Platinum and Ceria doped

single wall carbon nanotubes grown by CCVD of methane on an alumina substrate." اولین کنگره بین المللی علوم و فناوری نانو , Tehran. 73) , Abbasali Khodadadi, and Yadallah Mortazavi. "Ethanol and CO sensor using

74) Yadallah Mortazavi, , Abbasali Khodadadi, and Mohammad Esmaeili. "Methane CVD grown SWNTs layer on an alumina substrate using iron catalyst on different supports." 2nd International Conference on surfaces coatings and nanostructured materials,.

75) Yadallah Mortazavi, , and Abbasali Khodadadi. "Nonstoichiometric LaCo_{1.3}O_{3x} doped with Pd nanoparticles as an active oxidation catalyst for automotive emission control." 2nd International Conference on surfaces coatings and nanostructured materials,.

76) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Exclusively selective sensor to LPG in presence of CO and C₂H₅OH using nanogold filter with 1 wt Pt/SnO₂." 2nd International Conference on surfaces coatings and nanostructured materials,.

77) , , Yadallah Mortazavi, and . "Enhanced CO sensitivity and selectivity in presence of propane using gold nanoparticles-doped SnO₂ sensor." 2nd International Conference on surfaces coatings and nanostructured materials,.

78) Yadallah Mortazavi, , and Abbasali Khodadadi. "MgO nanoparticles synthesis by microwave-induced combustion synthesis: an investigation of process parameters." 2nd International Conference on surfaces coatings and nanostructured materials,.

79) , Abbasali Khodadadi, and Yadallah Mortazavi. "On Longitudinal Variation of Growth Rate in the Course of CNTs Synthesis by Floating Catalysis." 2nd International Conference on surfaces coatings and nanostructured materials,.

80) Zahra Gholami, , Hedayatollah Ghourchian, Abbasali Khodadadi, and Yadallah Mortazavi. "Electron transfer kinetics of glucose oxidase using carbon nanotubes grown on an alumina substrate as a biosensor." The 9th Iranian Congress of Biochemistry, Shiraz.

81) Yadallah Mortazavi, and . "Highly selective Pt/SnO₂ sensor to LPG in presence of CO and ethanol, using gold nanoparticles on Fe₂O₃ catalytic filter at low temperatures." 2nd International Conference on Sensing Technology, Palmerston North.

82) , Abbasali Khodadadi, and Yadallah Mortazavi. "Nerstian YSZ oxygen sensor with no air reference using nano-size Ce-Zr oxide on one Pt electrode." 2nd International Conference on Sensing Technology, Palmerston North.

83) , Abbasali Khodadadi, and Yadallah Mortazavi. "Pd nanoparticles-doped LaCoO₃ regenerative catalyst for automotive emission control." The 5th international chemical engineering congress and exhibition, Kish Island.

84) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Effects of Si/Al ratio of dealuminated Y-zeolite on coking during catalytic cracking of 135-triisopropylbenzene." International Catalysis Conference-ICC2008, Tehran.

85) , Abbasali Khodadadi, , and Yadallah Mortazavi. "Enhanced coke and CO oxidation on resid FCC catalyst matrix promoted by CeO₆₈ZrO₃₂O₂ nanoparticles." The 14th International Congress on catalysis, seoul.

86) , Abbasali Khodadadi, Navid Mostoufi, Yadallah Mortazavi, Rahmat Sotudeh Gharebagh, and Ali Reza Talebizadeh Rafsanjani. " Kinetic Modelling of OCM over the Mn/Na₂WO₄/SiO₂ by genetic algorithm." The 14th International Congress on Catalysis, seoul.

87) , Abbasali Khodadadi, and Yadallah Mortazavi. "Oxidation activity enhancement of LaCo_{0.95}Pd_{0.05}O₃ regenerative catalyst by short period exposure to a rich gas." The 14th International Congress on Catalysis, seoul.

88) , , Shohreh Fatemi, Yadallah Mortazavi, and Abbasali Khodadadi. "comparison of cocurrent and counter-current heat integration of methanol to hydrogen wall coated catalyst microchannel reactor by CFD modelling." CHISA 2008, Prague.

- 89) , , Shohreh Fatemi, Yadallah Mortazavi, and Abbasali Khodadadi. "Effect of microreactor geometry in performance of catalytic microreactor of hydrogen production by CFD modeling." CHISA 2008, Prague.
- 90) , Abbasali Khodadadi, and Yadallah Mortazavi. "Temperature-independent TiO₂-ZrO₂ oxygen lambda sensor." IEEE Sensors 2008 Conference, Lecce.
- 91) Yadallah Mortazavi , , and Abbasali Khodadadi. "Effect of nanoparticulate bohemite sole in gamma-Alumina coating on a metal surface as a catalyst support for micro channel reactors." 2nd International congress on nanoscience and nanotechnology 2008 ICNN2008, Tabriz.
- 92) , , Shohreh Fatemi, Yadallah Mortazavi, and Abbasali Khodadadi. "Effect of microreactor geometry on performance of catalytic microreactor by CFD modelling." 18th International Congress of Chemical and Process Engineering, Prague.
- 93) , Abbasali Khodadadi, Yadallah Mortazavi , , and Fathollah Pourfayaz. "Functionalization of carbon nanotubes using nitric acid oxidation and DBD plasma." World Academy of Science Engineering and Technology, Dubai.
- 94) Yadallah Mortazavi , Abbasali Khodadadi , , and . "Sonochemically prepared SnO₂ quantum dots as a selective and low temperature CO sensor." World Academy of Science Engineering and Technology, Dubai.
- 95) , Abbasali Khodadadi, Yadallah Mortazavi , , and . "Low temperature ethanol gas sensor based on SnO₂/MWNTs nanocomposite." World Academy of Science Engineering and Technology, Dubai.
- 96) , , Yadallah Mortazavi, and . "Investigating gas sensing property of nanocomposites based on MWNTs or SWNTs and SnO₂." Carbon 2009,.
- 97) Yadallah Mortazavi , Abbasali Khodadadi , , and Fathollah Pourfayaz. "Functionalization of single wall carbon nanotubes by oxygen containing groups using dielectric barrier discharge plasma and nitric acid." Carbon 2009,.
- 98) Yadallah Mortazavi , , and . "Comparative study of lead adsorption from water by plasma treated and acidified carbon nanotubes." Carbon 2009,.
- 99) , Yadallah Mortazavi, and Abbasali Khodadadi. "Significant effect of excess Mn in LaMn_{1-x}O₃ on CO and propane oxidation activity enhancement for automotive pollution control." 6th World Congress on Oxidation Catalysis, Lille.
- 100) Yadallah Mortazavi , Abbasali Khodadadi , , and . "LaCoO₃ and LaFeO₃ promoters for enhanced oxidation of CO formed in dense-catalyst region of FCC regenerators." 6th World Congress on Oxidation Catalysis, Lille.
- 101) , , and Yadallah Mortazavi. "Effects of fuel to oxidant ratio on activity of Ce_{0.75}Zr_{0.25}O₂ catalyst promoted by transition metals for CO and C₃H₈oxidation." 6th World Congress on Oxidation Catalysis, Lille.
- 102) , , Abbasali Khodadadi, and Yadallah Mortazavi. "Activity enhancement of LaCo_{0.95}Pd_{0.05}O₃ regenerative catalyst for oxidation of pollutants in exhaust of natural gas engines." 6th World Congress on Oxidation Catalysis, Lille.
- 103) , Abbasali Khodadadi, and Yadallah Mortazavi. "Integration of oxidative coupling of methane OCM and dehydrogenation of ethane for enhancement of C₂H₄/C₂H₆ ratio over MnNa₂WO₄/SiO₂ catalyst." 6th World Congress on Oxidation Catalysis, Lille.
- 104) , Abbasali Khodadadi , , and Yadallah Mortazavi. "Colloidal stability of tin dioxide synthesized via microwave induced combustion route." 8th World Congress on Chemical Engineering Montreal, Montreal.
- 105) , , , Yadallah Mortazavi, and . "Modified kaolin as an alternative and more proper matrix for precracking of TIPB as a resid FCC feed model compound." 16th International Zeolite Conference, Sorrento.
- 106) , Ali Reza Abbasi, and Yadallah Mortazavi. "Carbon monoxide sensor based on SnO₂nanoparticles prepared by hydrothermal method." The 13th International Meeting on Chemical Sensors, Perth.
- 107) , Yadallah Mortazavi, and . "A selective volatile organic compounds sensor using Sm₂O₃- doped SnO₂ thick film." The 13th International Meeting on Chemical Sensors, Perth.
- 108) , Abbasali Khodadadi, and Yadallah Mortazavi. "Preferential Oxidation of Carbon Monoxide in Hydrogen Stream over Au/CuO-ZnO Catalysts." 2nd International Conference on Nanotechnology: Fundamentals and Applications, Ottawa.

- 109) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Deposition of Tin Oxide on TiO₂ Nanoparticles by Modified CVD Method for Gas Sensor Application." 2nd International Conference on Nanotechnology: Fundamentals and Applications, Ottawa.
- 110) Yadallah Mortazavi, , and Abbasali Khodadadi. "Adsorptive Desulfurization of Sulfur Compound from Diesel Fuel." 2nd International Conference on Nanotechnology: Fundamentals and Applications Ottawa Ontario, Ottawa.
- 111) Monirosadaat. Tabatabaeizade, Yadallah Mortazavi, and Abbasali Khodadadi. "Toluene and acetone detection on sensors based on YSZ electrolyte and semiconducting metal oxide Nanoparticles." IMCS 2012 The14th International Meeting on Chemical Sensors,.
- 112) , , Abbasali Khodadadi, and Yadallah Mortazavi. "CO and ethanol selective sensor of La₂O₃-doped ZnO nanostructures synthesized by microwave assisted fast method." IMCS 2012The14th International Meeting on Chemical Sensors,.
- 113) Pari Asadi, Abbasali Khodadadi, Maryam Afshar Pour, Yadallah Mortazavi, and . "Enzymeless glucose biosensor using CuO nanoparticles on amine-functionalized carbon nanotubes." IMCS 2012 The14th International Meeting on Chemical Sensors,.
- 114) Abbasali Khodadadi, , and Yadallah Mortazavi. "Effects of nanoadditives on the stability of chemical gas sensors." IMCS 2012 The14th International Meeting on Chemical Sensors,.
- 115) Abbasali Khodadadi, , Yadallah Mortazavi, and Hedayatollah Ghourchian. "Deposition of ZnO nanoprticles on MWCNTs for glucose oxidase direct electrochemistry." IMCS 2012The14th International Meeting on Chemical Sensors,.
- 116) Hamideh Asoodeh, Abbasali Khodadadi, and Yadallah Mortazavi. "The sensing behavior of semiconductor metal oxides based on SnO₂ thick film for detection of chlorinated VOCs in low concentration." IMCS 2012 The14th International Meeting on Chemical Sensors,.
- 117) , Yadallah Mortazavi, Abbasali Khodadadi, and . "Pt CoOx/MWNT as a proper catalyst for anodic reaction of direct methanol fuel cells." Carbon 2012,.
- 118) , Abbasali Khodadadi, Yadallah Mortazavi, and . "Tin promoted Pd/MWNTs catalysts in acetylene hydrogenation reaction." Carbon 2012,.
- 119) , Yadallah Mortazavi, Abbasali Khodadadi, , and . "Surface thiolation of carbon nanotubes by discharge plasma in H₂S atmosphere." Carbon 2012,.
- 120) Mohammad Hossein Saberi, Abbasali Khodadadi, and Yadallah Mortazavi. "Selective detection of unburned-hydrocarbon in the exhaust gas using catalytic filter." IEEE Sensors 2014, Valencia.
- 121) Mohammad Hossein Saberi, Abbasali Khodadadi, and Yadallah Mortazavi. "Graphene oxide/SnO₂ nanocomposites for enhancedensing of Ethanol in presence of VOCs." IEEE Sensors 2014, Valencia.
- 122) Ali Taheri, Abbasali Khodadadi, Mohammad Javad Parnian, and Yadallah Mortazavi. "Highly dispersed cobalt on γ -Al₂O₃ by atomic layer deposition for Fischer- Tropsch synthesis with enhanced activity and selectivity." 16th International Congress on Catalysis (ICC 16), Beijing.
- 123) Amin Bazyari, Abbasali Khodadadi, Alireza Haghghat, Javad Beheshtian, Levi. T. Thompson, and Yadallah Mortazavi. "Microporous titania-silica nanocomposite catalyst for ultra-deep oxidative desulfurization." 16th International Congress on Catalysis (ICC 16), Beijing.
- 124) Azadeh Zaker, Abbasali Khodadadi, and Yadallah Mortazavi. "Atomic Layer Deposition of nickel on Mo/ γ -Al₂O₃ catalyst with enhanced activity for hydrodesulphurization." 16th International Congress on Catalysis (ICC 16), Beijing.
- 125) Amin Bazyari, Yadallah Mortazavi, Abbasali Khodadadi, Levi. T. Thompson, Reza Tafreshi, Azadeh Zaker, and Olabode T. Ajenifujah. "Effects of alumina phases as nickel supports on deep reactive adsorption of (4,6- dimethyl) dibenzothiophene: Comparison between γ , δ , and θ -alumina." 16th International Congress on Catalysis (ICC 16), Beijing.
- 126) Masa Bakan, Abbasali Khodadadi, and Yadallah Mortazavi. "Graphene effects on significant enhancement of activity and CO₂ selectivity of Au/CeO₂ catalysts in preferential CO oxidation in H₂-rich streams." 16th International Congress on Catalysis (ICC 16), Beijing.
- 127) Hadis Mousavi, Samira Alirezaei, Yadallah Mortazavi, and Abbasali Khodadadi. "Improved Sensitivity to CO by Formation of Stable P-n Junction between SnO₂ and SnO." IMCS 2016-The 16th International Meeting on Chemical Sensors, jeju.

128) Fahimeh Hooriabad Saboor, Yadallah Mortazavi, and Abbasali Khodadadi. "Fabrication of SiO₂/SnO₂ core/shell thick film sensor with highly selective gas sensing performance." MCS 2016-The 16th International Meeting on Chemical Sensors, jeju.

129) Fatemeh Sadat Fateminia, Abbasali Khodadadi, and Yadallah Mortazavi. "Au- and Ni-promoted Ce-Zrcatalytic filter-SnO₂ integrated sensor for dual selective detection of ethanol and methane." 17th International Meeting on Chemical Sensors- IMCS 2018, Vienna.

همایش‌های داخلی

- عباسعلی خدادادنی، پداله مرتضوی و علی مراد رشیدی. "بررسی اثر آب و دی اکسید کربن در زوج شدن اکسایشی متان (OCM) در حضور کاتالیزورهای Li/MgO و Ce/Li/MgO". پنجمین کنگره ملی مهندسی شیمی، شیراز.
- علی‌داد نوری، عباسعلی خدادادنی، فتح‌اله پور فیاض، پداله مرتضوی و سیدشمس‌الدین مهاجرزاده. "بررسی اثرات دما و ارتقاء دهنده‌ها بر حساسیت و انتخابگری نیمه‌هادی‌های دی‌اکسید قلع." هشتمین کنگره ملی مهندسی شیمی، مشهد.
- عنایت‌ا‌راجی، عباسعلی خدادادنی، سیدشمس‌الدین مهاجرزاده، پداله مرتضوی، عظیم‌ملکرزاده و محمدصادق تاروردی. "تشکیل ترکیبات C₂ از طریق جفت شدن متان در پلاسما سرد." هشتمین کنگره ملی مهندسی شیمی، مشهد.
- سیدمحمد حسین حسامزاده، عباسعلی خدادادنی، پداله مرتضوی، سیدشمس‌الدین مهاجرزاده، سعید خالقی و بهرام گنجی‌پور. "سنتر نانولوله‌های کربنی به روش نشانندن کاتالیسی بخار شیمیایی در حضور کاتالیست و پلاسما در فشار اتمسفریک." هشتمین کنگره ملی مهندسی شیمی، مشهد.
- شهره فاطمی، سمیه حسین‌پور، پداله مرتضوی، محدثه مهدی‌پور و مهرداد غلامحسینی. "بررسی جداسازی اتان و اتیلن از متان بر اساس تعیین کربنش‌پذیری کارها توسط 13X در فرایند جذب سطحی تعادلی." دوازدهمین کنگره ملی مهندسی شیمی ایران، تبریز.

راهنمایی پایان‌نامه

- جذب آسفالتن مدل نفت سنگین مخزن با استفاده از نانوساختارهای کربنی، فاضل منصوری مصلح، دانشگاه تهران، 1394/10/27
- ساخت و بررسی بیوسنسور قندخون بر پایه نانولوله‌های کربنی عامل‌دار شده و پوشش داده شده با لایه نشانی اتمی اکسیدفلزات، مریم سادات بنی طباطبائی، دانشگاه تهران، 1394/10/29
- بررسی اثر ارتقا دهنده‌ی نیمه‌هادی نوع پی نانوساختار بر رفتار حسگری اکسید قلع، سمیرا علیرضایی، دانشگاه تهران، 1394/10/30
- بررسی فعالیت گوگردزداپی هیدروژنی ترکیب مدل بنزین روی کاتالیست نیکل مولیبدن تهیه شده به روش لایه نشانی اتمی، حسن حاجی‌پور، دانشگاه تهران، 1395/03/08
- ساخت کاتالیست نانوساختار دولایه RFCC و بررسی عملکرد آن در بهبود انتخابگری و به تله انداختن فلزات، مهدی داودپور، دانشگاه تهران، 1395/11/09
- بررسی نانو فتوکاتالیست تیتانیای اصلاح شده با اکسید آهن و ارتقای آن با طلا در حذف مواد آلی فرار در هوا، صدرا منبری، دانشگاه تهران، 1395/11/09
- اصلاح سطح مواد کربنی نانومتخلخل برای بهبود حذف ترکیبات آلی فرار موجود در هوا، زینب حاجی‌لری، دانشگاه تهران، 1395/11/11
- بررسی تاثیر سیستم پلاسما-نانو کاتالیست در کاهش آلاینده‌های موتورها، مرتضی ساعدی مرغملکی، دانشگاه تهران، 1396/03/02
- بررسی تبدیل پلاسمایی ترکیبات حاوی کربن موجود در هوا و آشکارسازی محصولات واکنش با حسگرهای نیمه‌هادی اکسیدهای فلزی نانوساختار، میترا اروزی، دانشگاه تهران، 1396/11/11

مشاوره پایان‌نامه

- بررسی فتوکاتالیستی نانوساختارهای برپایه تیتانیوم در فرآیند گوگردزداپی اکسایشی سوخت مدل گازوییل، مانده سلماسی، دانشگاه تهران، 1396/07/11

فعالیت‌های اجرایی

- عضو شورای ارزشیابی مدارک تحصیلی خارجی، 1391/01/01، 1393/01/01
- مدیر گروه مهندسی فرایند و نانوفناوری دانشکده مهندسی شیمی، 1395/04/13، 1397/04/12، ایران، تهران
- عضو کمیته جذب و استخدام دانشکده علوم مهندسی، 1396/06/20، 1398/06/20، ایران، تهران
- عضو شورای راهبردی کرسی یونسکو، 1396/06/27، 1398/06/27، ایران، تهران
- عضو کمیته ارزیابی دانشکده مهندسی شیمی، 1396/09/14، 1397/09/14، ایران، تهران

