



## Hossein Atashi

### Professor

Faculty : Engineering

Departments : chemical engineering

Phone : +9854 - 31132236

Email : h.ateshy@hamoon.usb.ac.ir

Address : Dept.of chemical engineering , Faculty of Engineering,  
University of Sistan and Baluchestan, Daneshgah Ave., Zahedan,  
Iran.

## Education

- ✓ B.Sc, Chemical Engineering,Vienna University of Technology - 1972
- ✓ MS, Chemical Engineering,Vienna University of Technology - 1974
- ✓ PhD, Chemical Engineering,Vienna University of Technology - 1978

## Courses

1. chemical kinetics and reactor design
2. Device control in the chemistry in dustry
3. Physical chemistry in chemical engineering
4. reactors
5. Expansion ofchemistry in labrotary to industry
6. Petrochemicals and its tecnology
7. Petroleum tecnology and chemistry
8. Advanced reactor design
9. Heterogeneous Catalysts
10. Biochemical reactor units
11. special topics I
12. special topics II
13. training
14. Advanced chemical reactor
15. Mabahas vegeh
16. predict the thermodynamic properties

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## Journals Papers

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### 2021

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1. Investigating catalytic performance of Ag/Ce promoted Fe/Al<sub>2</sub>O<sub>3</sub> catalyst in the CO hydrogenation process: Selectivity modeling and optimization using response surface methodology

Hanieh Zarin torang, Hossein Atashi, Hossein Zohdi Fasaee, Fereshteh Meshkani

INTERNATIONAL JOURNAL OF ENERGY RESEARCH Volume: (45) 14518 - 14529

### 2019

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2. Evaluation of Reverse Microemulsion Parameters Over the Catalytic Performance of Promoted Fe-Co Catalysts for the Production of Light Olefins from Syngas Using Box-Behnken Design

, Ali Akbar Mirzaei, Hossein Atashi

CATALYSIS LETTERS Volume: (149) 1305 - 1318

### 2018

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3. Effect of microemulsion parameters on product selectivity of MgO-supported ironcobaltmanganese potassium nanocatalyst for FischerTropsch synthesis using response surface methodology

, Ali Akbar Mirzaei, Hossein Atashi, Maryam Arsalanfar

Journal of the Taiwan Institute of Chemical Engineers Volume: (91) 396 - 404

4. Reducing of heat loss of rubber compound using natural zeolite filler effect of partially substitution of fillers on compound properties

Hamed Hassankhani, Hossein Atashi, Davod Mohebbi Kalhori

Iranian Polymer Journal Volume: (27) 555 - 561

5. The green fuel from carbon waste: optimization and product selectivity model studies

Hossein Atashi, Fatemeh Rezaeian, Ali Akbar Mirzaei

International Journal of Coal Science and Technology Volume: (5) 399 - 410

6. Kinetic modeling of the Fischer-Tropsch reaction over a zeolite supported Fe-Co-Ce catalyst prepared using impregnation procedure

Nazanin Nikbakht, Ali Akbar Mirzaei, Hossein Atashi

FUEL Volume: (229) 209 - 216

7. Preparation of Iron-cobalt-cerium Heterogeneous Nano-catalysts to Produce Light Hydrocarbons from Synthesis Gas

Hesam Aldin Hashemzahi, Ali Akbar Mirzaei, Hossein Atashi,

Physical Chemistry Research Volume: (6) 785 - 794

#### 8. DFT studies of hydrocarbon combustion on metal surfaces

Mina Arya, Ali Akbar Mirzaei, Abdol Mahmood Davarpanah, S. Masoud Barakati, Hossein Atashi, abas moh

JOURNAL OF MOLECULAR MODELING Volume: (24) 1 - 10

#### 9. Improved photocatalytic degradation of reactive blue 81 using NiO-doped ZnO-ZrO<sub>2</sub> nanoparticles

Alireza Nodehi, Hossein Atashi, Mohsen Mansouri

JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY Volume: ( ) 1 - 11

#### 10. Green fuel from coal via Fischer-Tropsch process: scenario of optimal condition of process and modelling

Hossein Atashi,

International Journal of Coal Science and Technology Volume: (5) 230 - 243

#### 11. Fischer-Tropsch synthesis in a bed reactor using Co catalyst over silica supported: Process optimization and selectivity modeling

Hossein Atashi, Hanieh Zarin torang

Journal of Environmental Chemical Engineering Volume: (6) 5520 - 5529

#### 12. Modeling Selectivity in the Fischer-Tropsch Process with Response Surface Methodology

Hossein Atashi, KOSAR DINARVANDI

ChemistrySelect Volume: (3) 3171 - 3179

#### 13. Selectivity Modeling of Synthesis Gas Reaction over the Iron Catalyst and Optimization Products

Hossein Atashi,

Open Chemical Engineering Journal Volume: (12) 57 - 66

#### 14. Determination of the Deactivation Model of Iron-potassium/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Catalyst in a Fixed Bed Reactor

Hossein Atashi, KOSAR DINARVANDI

Physical Chemistry Research Volume: (6) 365 - 375

#### 15. Toward the Development of a Robust Kinetic Model for the Cobalt Fischer-Tropsch Catalyst Lifetime Using a Novel Sigmoidal Pattern

Mahdi Khorashadzade, Hossein Atashi

Physical Chemistry Research Volume: (6) 173 - 192

16. Investigation of H<sub>2</sub> and CO and Modeling of Syngas Conversion by Artificial Neural Network Based on Experimental Data in a Fixed-bed Reactor

, Hossein Atashi, Farhad Shahraki,

Volume: (27) 88 - 102

17. The study of catalytic performance of silica-supported three metallic Fe-Co-Ce catalyst prepared using impregnation procedure for Fischer-Tropsch synthesis

Hesam Aldin Hashemzahi, Ali Akbar Mirzaei, Hossein Atashi, Fatemeh Rezaeian

PETROLEUM SCIENCE AND TECHNOLOGY Volume: (35) 2229 - 2234

18. Modeling and optimization of Fischer-Tropsch synthesis over Co-Mn-Ce/SiO<sub>2</sub> catalyst using hybrid RSM/LHHW approaches

Hossein Zohdi Fasaee, Hossein Atashi, , Ali Akbar Mirzaei

ENERGY Volume: (128) 496 - 508

19. Analysis of the effective operating factors of Fischer-Tropsch synthesis Investigation of modeling and experimental data

, Hossein Atashi, Farhad Shahraki

Journal of Natural Gas Science and Engineering Volume: (40) 72 - 78

20. Thermodynamic analysis of carbon dioxide reforming of methane to syngas with statistical methods

Hossein Atashi, Jaber Gholizadeh, Farshad Farshchi Tabrizi, Jaber Tayebi, Sayed amir hosein Seyed mo

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (42) 5464 - 5471

21. Kinetic and mechanistic studies of Fischer-Tropsch synthesis over the nano-structured iron-cobalt-manganese catalyst prepared by hydrothermal procedure

Somayeh Golestan, Ali Akbar Mirzaei, Hossein Atashi

FUEL Volume: (200) 407 - 418

22. FischerTropsch Synthesis Effects of Aging Time and Operating Temperatures on Solvothermally Prepared Nanocatalyst for Light Olefin Selectivity

Tahereh Taherzadeh Iari, Ali Akbar Mirzaei, Hossein Atashi

CATALYSIS LETTERS Volume: (147) 1221 - 1234

23. FischerTropsch synthesis over an ironcobaltmanganese (ternary) nanocatalyst prepared by hydrothermal procedure Effects of nanocatalyst composition and operational conditions

Somayeh Golestan, Ali Akbar Mirzaei, Hossein Atashi

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (42) 9816 - 9830

24. Modelling and optimization of Fischer-Tropsch products through iron catalyst in fixed-bed reactor

Hossein Atashi,

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (42) 15497 - 15506

### 25. Effects of Co/Ce molar ratio and operating temperature on nanocatalyst performance in the Fischer-Tropsch synthesis

Tahereh Taherzadeh Iari, Ali Akbar Mirzaei, Hossein Atashi

RSC Advances Volume: (7) 34497 - 34507

### 26. Modeling of the Fischer-Tropsch process using a Fe-Cu-K catalyst

Hossein Atashi,

PETROLEUM SCIENCE AND TECHNOLOGY Volume: (35) 1110 - 1116

### 27. The Application of Hybrid RSM/ANN Methodology of an Iron-based Catalyst Performance in Fischer-Tropsch Synthesis

Afshin Razmjoei, Hossein Atashi, Farhad Shahraki

Physical Chemistry Research Volume: (5) 585 - 600

### 28. Bifunctional Pt/Fe-ZSM-5 catalyst for xylene isomerization

, Hossein Atashi, Davod Mohebbi Kalhori,

Journal of the Taiwan Institute of Chemical Engineers Volume: (78) 438 - 446

### 29. Parametric investigation of $\gamma$ -alumina granule preparation via the oil-drop route

, Hossein Atashi, Farshad Farshchi Tabrizi

ADVANCED POWDER TECHNOLOGY Volume: (28) 1356 - 1371

### 30. Fischer-Tropsch study over impregnated silica-supported cobalt-iron nanocatalyst

, Hossein Atashi, Farshad Farshchi Tabrizi,

Journal of the Iranian Chemical Society JICS Volume: (14) 245 - 256

### 31. Optimization of reaction condition on the product selectivity of Fischer-Tropsch synthesis over a $\text{CoSiO}_2/\text{SiC}$ catalyst using a fixed bed reactor

, Hossein Atashi, Davod Mohebbi Kalhori

PETROLEUM SCIENCE AND TECHNOLOGY Volume: (35) 1078 - 1084

### 32. Process conditions effects on Fischer-Tropsch product selectivity Modeling and optimization through a time and cost-efficient scenario using a limited data size

, Hossein Atashi, Ali Akbar Mirzaei

Journal of the Taiwan Institute of Chemical Engineers Volume: (80) 709 - 719

### 33. Modeling the kinetics of cobalt Fischer-Tropsch catalyst deactivation trends through an innovative modified Weibull distribution

, Hossein Atashi

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: (19) 19252 - 19261

#### 34. Two-level Full Factorial Design for Selectivity Modeling and Studying Simultaneous Effects of Temperature and Ethanol Concentration in Methanol Dehydration Reaction

Hossein Atashi, Hossein Zohdi Fasaei, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei

Physical Chemistry Research Volume: (5) 41 - 56

### 2016

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#### 35. CO hydrogenation reaction over nano structured Fe-Ni-Mn catalyst Kinetic and mechanistic studies

Somayeh Golestan, Ali Akbar Mirzaei, Hossein Atashi

Journal of Natural Gas Science and Engineering Volume: (37) 280 - 290

#### 36. Effect of process conditions on Fischer–Tropsch synthesis product selectivity over an industrial iron-based catalyst in slurry reactor

, Hossein Atashi, Davod Mohebbi Kalhori

PETROLEUM SCIENCE AND TECHNOLOGY Volume: (14) 1211 - 1218

#### 37. Exploiting the effects of catalyst geometric properties to boost the formation of light olefins in Fischer-Tropsch synthesis: Statistical approach for simultaneous optimization

Hossein Zohdi Fasayi, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei

Journal of Natural Gas Science and Engineering Volume: (35) 1025 - 1031

#### 38. Effects of mass transfer on Fischer-Tropsch kinetics over mesoporous silica-supported Co-Mn-Ce nano catalysts in a fixed-bed reactor

Hossein Zohdi Fasaei, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei

Journal of Natural Gas Science and Engineering Volume: (32) 262 - 272

#### 39. Kinetic study of CO hydrogenation reaction over Fe-Co-Mn ternary catalyst

, Hossein Atashi

Journal of the Taiwan Institute of Chemical Engineers Volume: (68) 1 - 14

#### 40. Influence of Fabrication Temperature and Time on light olefins selectivity of Iron-cobalt-cerium Mixed Oxide Nanocatalyst for CO hydrogenation

Tahereh Taherzadeh Iari, Ali Akbar Mirzaei, Hossein Atashi

INDUSTRIAL and ENGINEERING CHEMISTRY RESEARCH Volume: (55) 12991 - 13007

#### 41. Fischer-Tropsch synthesis over potassium-promoted Co-Fe/SiO<sub>2</sub> catalyst

, Hossein Atashi

INDIAN JOURNAL OF CHEMICAL TECHNOLOGY Volume: (23) 453 - 461

42. Modeling Selectivity of Ethylene and Propylene in the Fischer-Tropsch Synthesis with Artificial Neural Network and Response Surface Methodology

Hossein Atashi, Jaber Gholizadeh, Farshad Farshchi Tabrizi, Jaber Tayebi

ChemistrySelect Volume: (1) 3271 - 3275

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## 2015

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43. Development of a Macro-Micro Kinetic Model for CO Hydrogenation over Co–Ni Catalysts

, Hossein Atashi, ,

KINETICS AND CATALYSIS Volume: (56) 826 - 831

44. Kinetics of the Fischer-Tropsch reaction in fixed-bed reactor over a nano-structured Fe-Co-Ce catalyst supported with SiO<sub>2</sub>

, Ali Akbar Mirzaei, Hossein Atashi

Journal of Natural Gas Science and Engineering Volume: (26) 940 - 947

45. Thermodynamic analysis of steam reforming of methane with statistical approaches

Farshad Farshchi Tabrizi, Sayed amir hosein Seyed mousavi, Hossein Atashi

ENERGY CONVERSION AND MANAGEMENT Volume: ( ) 1065 - 1077

46. Influence of monovalent alkaline metal cations on binder-free nano-zeolite X in para-xylene separation

, , , Hossein Atashi,

CHINESE JOURNAL OF CHEMICAL ENGINEERING Volume: ( ) 64 - 70

47. Effects of operating conditions on selectivity of Fe–Co–Mn/MgO at high temperature CO hydrogenation

Hossein Atashi, , , , ,

Journal of the Taiwan Institute of Chemical Engineers Volume: (54) 83 - 90

48. Thermodynamic analysis of steam reforming of methane with statistical

Farshad Farshchi Tabrizi, , Hossein Atashi

ENERGY CONVERSION AND MANAGEMENT Volume: (103) 1065 - 1077

49. How do the preparation methods impact the kinetic parameters of the two Co/Ni/Al<sub>2</sub>O<sub>3</sub> nanocatalysts in Fischer-Tropsch process

, Ali Akbar Mirzaei, Hossein Atashi

MONATSFESTE FÜR CHEMIE Volume: (12) 1935 - 1947

### 50. Influence of Monovalent Alkaline Metal Cations on Binder-free NanoZeolite X in Para-Xylene Separation; Breakthrough System

, , , Hossein Atashi,

CHINESE JOURNAL OF CHEMICAL ENGINEERING Volume: (23) 64 - 70

## 2014

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### 51. Para-xylene adsorption separation process using nano-zeolite Ba-X

, Nakisa Yaghobi, Fatemeh Allahgholipour, Hossein Atashi

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (92) 1192 - 1199

### 52. Catalytic performance of an iron-based catalyst in Fischer Tropsch synthesis

, , , Hossein Atashi, William C. Hecker, Larry L. Baxter

fuel processing technology Volume: (127) 163 - 170

### 53. New Pool Boiling Heat Transfer in the Presence of Low-Frequency Vibrations Into a Vertical Cylindrical Heat Source

, Hossein Atashi, , R. Aeinehvand

experimental heat transfer Volume: (27) 428 - 437

### 54. Fischer Tropsch synthesis on cobalt manganese nanocatalyst studies on rate equations and operation conditions

, Hossein Atashi, Farshad Farshchi Tabrizi, Ghobad Mansouri,

International Journal of Industrial Chemistry Volume: (5) -

### 55. Effect of reaction conditions and Kinetic study on the Fischer-Tropsch synthesis over fused Co-Ni/Al<sub>2</sub>O<sub>3</sub> catalyst

, Ali Akbar Mirzaei, Hossein Atashi

JOURNAL OF FUEL CHEMISTRY AND TECHNOLOGY Volume: (42) 710 - 718

### 56. Study of syngas conversion to light olefins by statistical models

Mehdi Shiva, Hossein Atashi, Ali Akbar Mirzaei, ,

fuel Volume: (123) 205 - 210

### 57. Study of the Effective Parameters on Selective Catalytic Reduction of NO<sub>x</sub> by Ammonia over a Vanadia-Titania Catalyst from Exhaust Gases

Hossein Atashi, Esmaeel Moradian bajgiran

Journal of Advances in Chemistry Volume: (6) 1024 - 1037

### 58. Numerical Study of Operating Pressure Effect on Carbon Nanotube Growth Rate and Length Uniformity

Babak Zahed, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr, Hossein Atashi

Transport Phenomena in Nano and Micro Scales Volume: (2) 78 - 85

### 59. NEW POOL BOILING HEAT TRANSFER IN THE

Hossein Atashi, , , ,

EXPERIMENTAL HEAT TRANSFER Volume: ( ) 428 - 437

### 60. Influence of monovalent alkaline metal cations on binder-free nano-zeolite X in para-xylene separation

, , , Hossein Atashi

CHINESE JOURNAL OF CHEMICAL ENGINEERING Volume: (92) 1192 - 1199

### 61. Catalytic performance of an iron-based catalyst in Fischer–Tropsch synthesis

, , , Hossein Atashi, ,

FUEL PROCESSING TECHNOLOGY Volume: (127) 163 - 170

### 62. Fischer–Tropsch synthesis on cobalt–manganese nanocatalyst: studies on rate equations and operation conditions

, Hossein Atashi, Farshad Farshchi Tabrizi, ,

international journal of industrial chemistry Volume: (5) 1 - 9

## 2013

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### 63. CO hydrogenation reaction over Fe-Co catalyst a micro-kinetic approach for studying the kinetics and mechanism of hydrocarbon formation

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei,

journal of industrial and engineering chemistry Volume: (19) 172 - 181

### 64. The application of hybrid DOE/ANN methodology in lumped kinetic modeling of Fischer-Tropsch reaction

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei, Akbar Zare

fuel processing technology Volume: (106) 631 - 640

### 65. Study of syngas conversion to light olefins by response surface methodology

Hossein Atashi, , Farshad Farshchi Tabrizi, Ali Akbar Mirzaei

Journal of Chemistry Volume: ( ) 1 - 12

### 66. Kinetics of the Fischer-Tropsch Synthesis on silica-supported cobalt-cerium catalyst

Mohsein Mansouri, Hossein Atashi, Ali Akbar Mirzaei,

International journal of industrial chemistry Volume: (4) 1 - 10

### 67. Estimation of micellization parameters of SDS in presence of some electrolytes for emulsion polymerization systems

, Farshad Farshchi Tabrizi, Hossein Abedini, Hossein Atashi  
journal of surfactants and detergents Volume: (16) 271 - 278

#### 68. Kinetics studies of nano-structured Cobalt-Manganese oxide catalysts in Fischer-Tropsch synthesis

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei, Ghobad mansouri  
journal of industrial and engineering chemistry Volume: (19) 1177 - 1183

#### 69. Kinetic study of CO hydrogenation On the MgO supported Fe-Co- Mn sol gel Catalyst

Ali Akbar Mirzaei, , , Hossein Atashi, Farshad Farshchi Tabrizi  
journal of industrial and engineering chemistry Volume: () -

#### 70. Kinetic study of CO hydrogenation on the Mgo supported Fe-Co-Mn-soL-gel catalyst

Ali Akbar Mirzaei, , , Hossein Atashi, Abdolreza Samimi  
journal of industrial and engineering chemistry Volume: (19) 1144 - 1152

#### 71. Estimation of micellization parameter of SDS in the presence of some electrolytes for emulsion polymerization system

, Farshad Farshchi Tabrizi, Hossein Abedini, Hossein Atashi  
journal of surfactants and detergents Volume: (16) 271 - 278

#### 72. Preparation of fe-Mn/K/Al<sub>2</sub>O<sub>3</sub> Fischer-Tropsch catalyst and Its catalytic kinetics for the hydrogenation of carbon monoxide

F. Fazlollahi, Majid Sarkari, , Hossein Atashi, , Ali Akbar Mirzaei, W. C. Hecker  
chinese journal of chemical engineering Volume: (21) 507 - 519

#### 73. High capacity of columns of stabilizer unit of shiraz refinery using structured packing

, Mortaza Zivdar, Farhad Fazlollahi, Majid Sarkari, Hossein Atashi, Larry L Baxter  
Journal of chemical science and technology Volume: (2) 83 - 87

#### 74. Fischer- Tropsch synthesis Effect of catalyst preparation method on olefin selectivity

, , Hossein Atashi, Ali Akbar Mirzaei, hasan Haghparast Khankahdani  
Online Journal of Physical and Enviromental Science Research Volume: (2) 43 - 47

#### 75. Rate Expression of Fischer-Tropsch Synthesis Over Co-Mn Nanocatalyst by Response Surface Methodology (RSM)

, Hossein Atashi, Mir mohammad Khalilipour langerudi, Farhad Shahraki,  
Journal of the Korean Chemical Society Volume: (57) 769 - 777

#### 76. Numerical analysis of inlet gas-mixture flow rate effects on carbon nanotube growth rate

Babak Zahed, Tahereh Fanaei Sheikholeslami, Hossein Atashi

Transport phenomena in nano and micro scales Volume: (1) 37 - 44

### 77. Kinetic Study of Fischer Tropsch Synthesis Over co Precipitated Iron-Cerium Catalyst

Ali Akbar Mirzaei, , , Hossein Atashi, S. H. Mirhoseini Moghaddam

Physical Chemistry Research Volume: (1) 69 - 80

### 78. Removal of manganese from petrochemical effluent using black carbon isotherm and kinetic studies

Peyman Salaryan, Meissam Noroozifar, Hossein Atashi, Mohammad Sajadi, Fanoos Mokari, Hanoos Salaryan

International journal of chemical and biochemical sciences Volume: (3) 110 - 119

### 79. Using different preparation methods to enhance Fischer-Tropsch products over Iron-based catalyst

Majid Sarkari, Farhad Fazlollahi, Hossein Atashi, Ali Akbar Mirzaei, W. C. Hecker

chemical and biochemical engineering quarterly Volume: (27) 259 - 266

### 80. Kinetic study of CO hydrogenation on the MgO supported Fe-Co-Mn sol-gel catalyst

Ali Akbar Mirzaei, , , Hossein Atashi, Abdolreza Samimi

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: ( ) 1144 - 1152

### 81. CO hydrogenation reaction over Fesingle bondCo catalyst; a micro-kinetic approach for studying the kinetics and mechanism of hydrocarbon formation

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei,

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: (19) 181 - 172

### 82. Kinetic study of CO hydrogenation on the MgO supported Fe-Co-Mn sol-gel catalyst

Ali Akbar Mirzaei, , , Hossein Atashi, Abdolreza Samimi

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: (19) 1152 - 1144

### 83. Kinetics studies of nano-structured cobalt-manganese oxide catalysts in Fischer-Tropsch synthesis

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei,

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: (19) 1183 - 1177

## 2012

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### 84. Studying the abrasion behavior of rubbery materials with combined design of experiment-artificial neural network

Mehdi Shiva, Hossein Atashi, mahtab hassanpourfard

chinese journal of polymer science Volume: (30) 520 - 529

### 85. Improving the recovery of miduk copper complex coarse copper ore particles during flotation process

Hossein Atashi, , , M Afzalipour Groh

Proceedings of the indian national science academy Volume: (78) 197 - 208

### 86. Comparison of CFD results and experimental data in a fixed bed Fischer-Tropsch synthesis reactor

, Farhad Shahraki, Hossein Atashi, Ramin Karimzadeh

journal of industrial and engineering chemistry Volume: (18) 1912 - 1920

### 87. Modeling and operating conditions optimization of Fischer-Tropsch synthesis in a fixed-bed reactor

Ali Akbar Mirzaei, , Hossein Atashi, Mohsen Mansouri

journal of industrial and engineering chemistry Volume: (18) 1515 - 1521

### 88. Structural characteristics of supported cobalt-cerium oxide catalysts used in Fischer-Tropsch synthesis

, Ali Akbar Mirzaei, H. R. Bozorgzadeh, Hossein Atashi, S. Shahriari,

Journal of natural gas science and engineering Volume: (9) 119 - 129

### 89. Effect of process conditions on the surface reaction rates and catalytic performance of MgO supported Fe-Co-Mn catalyst for CO hydrogenation

, Ali Akbar Mirzaei, H.R. Bozorgzadeh, Hossein Atashi

journal of industrial and engineering chemistry Volume: (18) 2092 - 2102

### 90. Development of a kinetic model for Fischer Tropsch synthesis over Co/Ni/Al<sub>2</sub>O<sub>3</sub> catalyst

Hossein Atashi

journal of industrial and engineering chemistry Volume: (18) 1223 - 1232

### 91. A kinetic study of Pd Au catalyzed synthesis of vinyl acetate from oxidation of ethylene and acetic acid in heterogeneous gas reaction

, Hossein Atashi, , Farshad Farshchi Tabrizi,

journal of industrial and engineering chemistry Volume: () 266 - 271

### 92. Kinetic modeling of Fischer Tropsch synthesis on bimetallic Fe Co catalyst with phenomenological based approaches

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei

journal of industrial and engineering chemistry Volume: (18) 1112 - 1121

### 93. Intrinsic kinetics of the Fischer-Tropsch synthesis over an impregnated cobalt-potassium catalyst

Hossein Atashi, , , Mohammad Khorram, Ali Akbar Mirzaei, ,

korean journal of chemical engineering Volume: (29) 304 - 309

94. Kinetic modeling of Fischer Tropsch Synthesis on bimetallic Fe-Co catalyst with phenomenological based approaches

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei

journal of industrial and engineering chemistry Volume: (18) 1112 - 1121

95. An investigation of the kinetics and mechanism of Fischer Tropsch Synthesis on Fe-Co-Mn supported catalyst

Hossein Atashi

fuel processing technology Volume: (96) 150 - 159

96. A new designed heat pipe an experimental study of the thermal performance in the presence of low-frequency vibrations

, , Hossein Atashi

heat and mass transfer Volume: (48) 719 - 723

97. Fischer Tropsch Synthesis Development of kinetic expression for a sol-gel Fe-Ni/Al<sub>2</sub>O<sub>3</sub> catalyst

, Hossein Atashi, Farshad Farshchi Tabrizi

fuel processing technology Volume: (97) 130 - 139

98. Hydrogenation of CO on Cobalt Catalyst in Fischer Tropsch Synthesis

Hossein Atashi

thermochimica acta Volume: (3) 1 - 5

99. Simulation of CO<sub>2</sub> and H<sub>2</sub>S Removal Using Methanol in Hollow Fiber Membrane Gas Absorber (HFMGA)

Hossein Atashi, Mortaza Zivdar,

ADVANCES IN CHEMICAL PHYSICS Volume: (2) 50 - 61

100. Application of Methanol Absorbent for CO<sub>2</sub> Removal in Gas-Liquid Hollow Fiber Membrane Contactors

Hossein Atashi, Mortaza Zivdar

asian journal of chemistry (MSRT BLACKLIST) Volume: (24) 3003 - 3008

101. Kinetic study of CO hydrogenation over co-precipitated iron-nickel catalyst

Ali Akbar Mirzaei, Rouhollah M. Kiai, Hossein Atashi, , Sara Shahriari

journal of industrial and engineering chemistry Volume: (18) 1242 - 1251

102. Development of a kinetic model for Fischer-Tropsch synthesis over Co/Ni/Al<sub>2</sub>O<sub>3</sub> catalyst

, , Akbar Zare, Ali Akbar Mirzaei, Hossein Atashi

journal of industrial and engineering chemistry Volume: (18) 1223 - 1232

[103. Fischer Tropsch synthesis The promoter effects operating conditions and reactor synthesis](#)

Majid Sarkari, Farhad Fazlollahi, Hossein Atashi

INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING Volume: (10) 1 - 30

[104. An investigation of the kinetics and mechanism of Fischer–Tropsch synthesis on Fe–Co–Mn supported catalyst](#)

, Ali Akbar Mirzaei, Hossein Atashi, , ,

FUEL PROCESSING TECHNOLOGY Volume: ( ) 150 - 159

[105. Kinetic Study of CO Hydrogenation Over Co-precipitated Iron-Nickel Catalyst](#)

Ali Akbar Mirzaei, , Hossein Atashi, ,

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: (18) 1242 - 1251

[106. Development of a kinetic model for Fischer–Tropsch synthesis over Co/Ni/Al<sub>2</sub>O<sub>3</sub> catalyst](#)

, , , Ali Akbar Mirzaei, Hossein Atashi

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: (18) 1223 - 1232

[107. Kinetic modeling of Fischer–Tropsch synthesis on bimetallic Fe–Co catalyst with phenomenological based approaches](#)

, Hossein Atashi, Farshad Farshchi Tabrizi, Ali Akbar Mirzaei

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: (18) 1112 - 1121

[108. Fischer–Tropsch synthesis: Development of kinetic expression for a sol–gel Fe–Ni/Al<sub>2</sub>O<sub>3</sub> catalyst](#)

, , Hossein Atashi, Ali Akbar Mirzaei,

FUEL PROCESSING TECHNOLOGY Volume: (97) 130 - 139

[109. Modeling and operating conditions optimization of Fischer–Tropsch synthesis in a fixed-bed reactor](#)

Ali Akbar Mirzaei, , Hossein Atashi,

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: (18) 1515 - 1521

[110. Intrinsic kinetics of the Fischer-Tropsch synthesis over an impregnated cobalt-potassium catalyst](#)

Hossein Atashi, , , , Ali Akbar Mirzaei, ,

KOREAN JOURNAL OF CHEMICAL ENGINEERING Volume: (29) 304 - 309

### 111. Experimental Study on $\text{LaCoO}_3$ on Catalytic Converter

Hossein Atashi, ,

Australian Journal of Basic and Applied Sciences (MSRT BLACKLIST) Volume: (5) 192 - 200

### 112. Leaching kinetics of calcined magnesite in ammonium chloride solutions

Hossein Atashi, ,

Australian Journal of Basic and Applied Sciences (MSRT BLACKLIST) Volume: (5) 192 - 200

### 113. Recovery of magnesium chloride from resulting potash unit

Hossein Atashi

Australian Journal of Basic and Applied Sciences (MSRT BLACKLIST) Volume: (5) 192 - 200

### 114. Thermodynamic modeling of the High temperature shift converter reactor Using Minimization of Gibbs free energy

Hossein Atashi, ,

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### 115. study of cophydrogenation reaction on cobalt titania catalylyst

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