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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. Mabahes vegeh
16. predict the thermodynamic properties

Journals Papers

2021

1. Investigating catalytic performance of Ag/Ce promoted Fe/Al2O3 catalyst in the CO hydrogenation process: Selectivity modeling and optimization using response surface methodology

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

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

2019

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

3. Effect of microemulsion parameters on product selectivity of MgO-supported ironcobaltmanganesepotassium 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 2 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 selectivite 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/?-Al2O3 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 Khorashadizade, Hossein Atashi

Physical Chemistry Research Volume: (6) 173 - 192

2017

16. Investigation of H2 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 2 catalyst using hybrid RSM/LHHW approaches

Hossein Zohdi Fasaei, 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 lari, 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 FischerTropsch synthesis

Tahereh Taherzadeh lari, 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 y-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 silicasupported 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 FischerTropsch synthesis over a CoSiO 2 /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 FischerTropsch 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

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 lari, Ali Akbar Mirzaei, Hossein Atashi

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

41. Fischer-Tropsch synthesis over potassium-promoted Co-Fe/SiO2 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

2015

43. Development of a Macro-Micro Kinetic Model for CO Hydrogenation over Co–Ni Catalyst1

, 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 SiO2

, 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/Al2O3 nanocatalysts in Fischer-Tropsch process

, Ali Akbar Mirzaei, Hossein Atashi

MONATSHEFTE FUR 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

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/Al2O3 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 NOx 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

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

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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

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/Al2O3 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 Fazllolahi, 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

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/Al2O3 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-patassium 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

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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/Al2O3 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 CO2 and H2S 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 CO2 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 ove co-precipitated iron-nickel catalyst

Ali Akbar Mirzaei, Rouhoullah 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/AL2O3 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/Al2O3 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/Al2O3 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

2011

111. Experimental Study on LacoO3 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 Hight temperature shift converter reactor Using Minimization of gi free energy

Hossein Atashi, ,

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

115. study of cophydrogenation reaction on cobalt titania catalylyst

Hossein Atashi, Hamed Gharehbaghi

journal of the chemical society of pakistan (MSRT BLACKLIST) Volume: (33) 7 - 11

116. CFD simulations of pressure drop and heat transfer in fixed bed reactor with spherical particles

, Farhad Shahraki, Hossein Atashi

korean journal of chemical engineering Volume: (6) -

117. Effects of Reaction Conditions on Cobalt-Catalyzed Fischer Tropsch Synthesis interaction between operating factors

, Hossein Atashi, ,

journal of the korean physical society Volume: (55) 824 - 829

118. A Novel Optimization Approach for H2S Expulsion from Crude oil

, Hossein Atashi, Farshad Farshchi Tabrizi

International Journal of Chemical Sciences Volume: (2) 342 - 345

119. Bioleaching kinetics of copper from copper smelters dust

Bakhtiari Fereshteh, Hossein Atashi, Mortaza Zivdar, Seyedali Seyedbagheri, Mohammad Hassan Fazaelip

journal of industrial and engineering chemistry Volume: (17) 29 - 35

120. A novel optimization approach of H2S expulsion from crude oil

, Hossein Atashi, Farshad Farshchi Tabrizi

International journal of chemical engineering and applications Volume: (2) 342 - 345

2010

121. Preparation and characteriztion of LaCoO3

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