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University of Sistan and Baluchestan, Daneshgah Ave., Zahedan,
Iran.

Education

- ✓ MS, Chemical Engineering Processes Design, Tarbiat Modares University - 1993
- ✓ PhD, Chemical Engineering Processes Design, University of Manchester - 2002

Courses

- | | |
|---------------------------|-------------------------------------|
| 1. Heat transfer I | 2. advanced engineering mathematics |
| 3. Computer Aided design | 4. Processes Integration |
| 5. special topics I | 6. Advanced Engineering Mathemtics |
| 7. advanced heat transfer | 8. Optimization |

Journals Papers

2022

1. Combined convective loss from a bicylindrical cavity receiver under wind condition: an experimental study

, Farhad Shahraki, Davod Mohebbi Kalhori

EXPERIMENTAL HEAT TRANSFER Volume: (35) 440 - 450

2021

2. Soft Sensor Development for Monitoring ASTM-D86 Index: Effect of Feed Flow Rate Change

Bahareh Bidar, Mir mohammad Khalilipour langroudi, Farhad Shahraki, Jafar Sadeghi

international journal of industrial electronics, control and optimization Volume: (4) 211 - 220

3. Experimental characterization of heat transfer enhancement in a circular tube fitted with Koflo Blade inline mixer

Ramin Zarei, Kiyanoosh Razzaghi, Farhad Shahraki

CHEMICAL ENGINEERING AND PROCESSING Volume: (166) 1-108508 - 9-108508

4. Investigation of the Impact of Salt Water Depth on Stair Solar Desalination Using Comsol Software

, , Mohammad Reza Sardashti Birjandi, Farhad Shahraki

Volume: (12) 58 - 70

5. New Process Flowsheet for CO2 Compression and Purification Unit; Dynamic Investigation and Control

, Jafar Sadeghi, Davod Mohebbi Kalhori, Farhad Shahraki, Abdolreza Samimi

IRANIAN JOURNAL OF CHEMISTRY and CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION
Volume: (40) 593 - 604

6. Simulation and Performance Improvement of Mercaptan Removal Unit of South Pars Gas Company by designing a new process cycle

Reza Seyed abadi, Bahareh Bidar, Mohammad Reza Sardashti Birjandi, Farhad Shahraki

Volume: (13) 17 - 36

7. Investigating the effect of operating parameters on the performance of acetylene hydrogenation reactors

, Farhad Shahraki, Jafar Sadeghi, Mehdi Bayat

Volume: (5) 91 - 104

2020

8. Improving mixing performance by curved-blade static mixer

Hasan Mahmoodi, Kiyanooosh Razzaghi, Farhad Shahraki

AICHE JOURNAL Volume: (66) 1-e17034 - 13-e17034

9. A New control structure for tert-amyl methyl ether production using reactive distillation

Shahin Kharaji, Jafar Sadeghi, Farhad Shahraki, Mir mohammad Khalilipour langroudi

ISA TRANSACTIONS Volume: (97) 53 - 66

10. Simulation and optimization of sulfur recovery unit in Ilam gas refinery by response surface methodology

Asma Taherinia, Farhad Shahraki, Mir mohammad Khalilipour langroudi, Mohammad Reza Sardashti Birjand

Volume: (11) 19 - 32

11. Optimization of time-variable-parameter model for data-based soft sensor of industrial debutanizer

, Jafar Sadeghi, Farhad Shahraki

OPTIMAL CONTROL APPLICATIONS and METHODS Volume: (41) 381 - 394

12. Experimental analysis of free convection heat loss in a bicylindrical cavity receiver

, Farhad Shahraki, Davod Mohebbi Kalhori

Thermal Science and Engineering Progress Volume: (20) 1-100663 - 14-100663

13. Enhancement of CO₂ mass transfer using SiO₂ nanoparticles in an aqueous a-MDEA solution for CO₂ absorption process

, Jafar Sadeghi, Farhad Shahraki, Davod Mohebbi Kalhori

Transport Phenomena in Nano and Micro Scales Volume: (8) 117 - 125

2019

14. Surface enriched nanofiber mats for efficient adsorption of Cr(VI) inspired by nature

Mousavi, Farhad Shahraki, Majid Aliabadi, Aminodin Haji, Fabian Deuber, Christian Adlhart

Journal of Environmental Chemical Engineering Volume: (7) 102817-1 - 102817-10

15. Design and characterization of a Low-pressure-drop static mixer

, Kiyanooosh Razzaghi, Farhad Shahraki

AICHE JOURNAL Volume: (65) 1126 - 1133

16. Nanofiber immobilized CeO₂/dendrimer nanoparticles: An efficient photocatalyst in the visible and the UV

Mousavi, Farhad Shahraki, Majid Aliabadi, Aminoddin Haji, Fabian Deuber, Christian Adlhart

APPLIED SURFACE SCIENCE Volume: (479) 608 - 618

17. Hydrogen and CO₂ Management in the Refinery with Fuzzy Multiobjective Nonlinear Programming

Mohammad Reza Sardashti Birjandi, Farhad Shahraki, Kiyanoosh Razzaghi

CHEMICAL ENGINEERING and TECHNOLOGY Volume: (42) 1941 - 1951

18. Epoxy/GO nanocomposite adhesives reinforced with waste blends of PET/GTR: Evaluation of mechanical properties

, Farhad Shahraki, Davod Mohebbi Kalhori, Omid Moini Jazani

PROGRESS IN ORGANIC COATINGS Volume: (136) 105292-1 - 105292-9

19. investigation the effective factors to improve the performance of catalytic conversion unit

Ehsan Ghofran Mozaffar, Mohammad Reza Sardashti Birjandi, Farhad Shahraki

Volume: (13) 5 - 31

2018

20. Soft Sensor Modeling Based on Multi-State-Dependent Parameter Models and Application for Quality Monitoring in Industrial Sulfur Recovery Process

Bahareh Bidar, Farhad Shahraki, Jafar Sadeghi, Mir mohammad Khalilipour langroudi

IEEE SENSORS JOURNAL Volume: (18) 4583 - 4591

21. Online Monitoring for Industrial Processes Quality Control Using Time Varying Parameter Model

, Farhad Shahraki, Jafar Sadeghi

International Journal of Engineering Volume: (31) 524 - 532

22. Control Structure Design and Dynamic Modeling for Atmospheric Distillation Column Effect of Increase Capacity

Mir mohammad Khalilipour langroudi, Farhad Shahraki, Jafar Sadeghi, Kiyanoosh Razzaghi

international journal of industrial electronics, control and optimization Volume: (2) 103 - 113

23. Experimental study of the effect of drag reducing agent on heat transfer and pressure drop characteristics

Behrouz Raei, Farhad Shahraki, s p

EXPERIMENTAL HEAT TRANSFER Volume: (31) 68 - 84

24. Different methods to calculate heat transfer coefficient in a double-tube heat exchanger A comparative study

Behrouz Raei, Farhad Shahraki, ,

EXPERIMENTAL HEAT TRANSFER Volume: (31) 32 - 46

25. A novel process for CO₂ capture from the flue gases to produce urea and ammonia

, Jafar Sadeghi, Davod Mohebbi Kalhori, Farhad Shahraki, Abdolreza Samimi

ENERGY Volume: (144) 279 - 285

26. A data-driven soft-sensor for monitoring ASTM-D86 of CDU side products using local instrumental variable (LIV) technique

Bahareh Bidar, Mir mohammad Khalilipour langroudi, Farhad Shahraki, Jafar Sadeghi

Journal of the Taiwan Institute of Chemical Engineers Volume: (84) 49 - 59

27. Multivariable adaptive neural network predictive control in the presence of measurement time-delay application in control of Vinyl Acetate monomer process

, Farhad Shahraki, Jafar Sadeghi,

JOURNAL OF PROCESS CONTROL Volume: (66) 39 - 50

28. Efficient dye adsorption by highly porous nanofiber aerogels

Mousavi, Fabian Deuber, Sergio Petrozzi, Lukas , Federera ,, , Farhad Shahraki, adlhart christian

COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: (547) 117 - 125

29. A New Optimization Strategy to Improve Design of Hydrogen Network Based Formulation of Hydrogen Consumers

, Farhad Shahraki, Kiyanoosh Razzaghi

CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY Volume: (32) 91 - 101

30. Energy and Exergo-Economic Assessments of Gas Turbine Based CHP Systems: A Case Study of SPGC Utility Plant

Bahareh Bidar, Farhad Shahraki

IRANIAN JOURNAL OF CHEMISTRY and CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION
Volume: (37) 209 - 223

2017

31. 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

32. Modeling and Optimization of Alkylation Process Using Response Surface Methodology

Soroush Mehdizadeh, Farhad Shahraki, Kiyanoosh Razzaghi, Mir mohammad Khalilipour langroudi

Volume: (27) 82 - 95

33. The Effect of Hydrogen Permeation by Using Membrane on Outlet Ethylene Selectivity of Dual Type Catalytic Reactor System Contains Fischer- Tropsch Reactor

Farhad Shahraki, Abbas Ghareghashi, Kiyanoosh Razzaghi, ,

Volume: () 135 - 149

34. 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

35. Hydrogen network retrofit via flexibility analysis The steady-state flexibility index

, Farhad Shahraki, Kiyanoosh Razzaghi

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (117) 83 - 94

36. Experimental investigation on the heat transfer performance and pressure drop characteristics of -Al₂O₃ /water nanofluid in a double tube counter flow heat exchanger

, Farhad Shahraki, ,

Transport Phenomena in Nano and Micro Scales Volume: (4) 64 - 77

37. Enhancement of gasoline selectivity in combined reactor system consisting of steam reforming of methane and Fischer-Tropsch synthesis

Abbas Ghareghashi, Farhad Shahraki, Kiyanoosh Razzaghi, ,

KOREAN JOURNAL OF CHEMICAL ENGINEERING Volume: (34) 87 - 99

38. Data-driven soft sensor approach for online quality prediction using state dependent parameter models

Bahareh Bidar, Jafar Sadeghi, Farhad Shahraki, Mir mohammad Khalilipour langroudi

CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS Volume: (162) 130 - 141

39. Experimental study on the heat transfer and flow properties of c-Al₂O₃/water nanofluid in a double-tube heat exchanger

, Farhad Shahraki, ,

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: (127) 2561 - 2575

40. 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

2016

41. Increasing ethylene production as a high value hydrocarbon in Fischer-Tropsch (FT) reactor: A concept reactor for combining FT with oxidative coupling of methane

Abbas Ghareghashi, Farhad Shahraki, Kiyanoosh Razzaghi, ,

KOREAN JOURNAL OF CHEMICAL ENGINEERING Volume: (33) 1571 - 1589

42. Increasing ethylene production as a high value hydrocarbon in Fischer-Tropsch (FT) reactor: A concept reactor for combining FT with oxidative coupling of methane

Farhad Shahraki,

KOREAN JOURNAL OF CHEMICAL ENGINEERING Volume: (33) 1589 - 1571

43. Nonsquare multivariable non-minimal state space-proportional integral plus (NMSS-PIP) control for atmospheric crude oil distillation column

Mir Mohammad Khalilipour Langerudi, Jafar Sadeghi, Farhad Shahraki, Kiyanoosh Razzaghi

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (113) 140 - 150

44. 3D Numerical Modelling of Convective Heat Transfer through Two-sided Vertical Channel Symmetrically Filled with Metal Foams

, Farhad Shahraki, Davod Mohebbi Kalhori

Periodica Polytechnica, Mechanical Engineering Volume: (60) 193 - 202

45. An industrial Steam Methane Reformer optimization using response surface methodology

Mojtaba Sinaei Nobandegani, , , Mir mohammad Khalilipour langroudi, Farhad Shahraki, Davod Mohebbi K

Journal of Natural Gas Science and Engineering Volume: (36) 540 - 549

46. Theoretical Model for Multiple Breakup of Fluid Particles in Turbulent Flow Field

Kiyanoosh Razzaghi, Farhad Shahraki

AICHE JOURNAL Volume: (62) 4508 - 4525

47. Design of multivariable control structure for crude oil distillation column effect of capacity change

Mir mohammad Khalilipour langroudi, Jafar Sadeghi, Farhad Shahraki, Kiyanoosh Razzaghi

Volume: (8) 1 - 12

2015

48. Investigation of fluid behavior in a fixed packed bed using computational fluid dynamics

, Farhad Shahraki

Volume: (10) 40 - 55

49. بهینه سازی انرژی واحد تبدیل کاتالیستی پالایشگاه آبادان با استفاده از تحلیل اکسرژی

Sajjad Khasheh, Farhad Shahraki, Kiyanoosh Razzaghi,

Volume: (49) 5 - 18

50. Removal of Hydrogen Sulfide From Hydrocarbon Liquids Using a Caustic Solution

Farhad Shahraki

Energy Sources Part A-Recovery Utilization and Environmental Effects Volume: (37) 791 - 798

51. Removal of Hydrogen Sulfide from Hydrocarbon Liquids Using a Caustic Solution

, , Farhad Shahraki

Energy Sources Part A-Recovery Utilization and Environmental Effects Volume: (37) 791 - 798

2014

52. Consequence Modeling of Chlorine Release from Water Treatment Plant

, Mir mohammad Khalilipour langroudi, Farhad Shahraki, mohsen mansuri

American Chemical Science Journal Volume: (4) 97 - 104

53. Application of global optimization strategies to refinery hydrogen network

, Farhad Shahraki, Moslem Sardashti birjandi, Mojtaba Sinaei Nobandegani

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (39) 14503 - 14511

2013

54. Energy saving in a crude distillation unit by a retrofit design of heat exchanger networks

Farhad Shahraki

INDIAN JOURNAL OF CHEMICAL TECHNOLOGY Volume: (20) 290 - 293

55. Rate expression of fischer-tropsch synthesis over Co-Mn nanocatalyst by response surface methodology (RSM)

Hossein Atashi, Farhad Shahraki

Journal of the Korean Chemical Society Volume: (57) 769 - 777

56. Application of Hazard and Operability Study Method in Hazard Evaluation of Reactor-Furnace in Sulfur Recovery Unit

Mir mohammad Khalilipour langroudi, , Farhad Shahraki, Mahdi Goharrokhi, Ali Asghar Mahjoobi

Volume: (8) 21 - 35

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

, Hossein Atashi, Mir mohammad Khalilipour langroudi, Farhad Shahraki,

Journal of the Korean Chemical Society Volume: (57) 769 - 777

2012

58. Modification of Heat Exchanger Network Design by Considering Physical Properties Variation

Farhad Shahraki

chemical and biochemical engineering quarterly Volume: (26) 79 - 87

59. Prediction of Sedimentation in Glycol-Glycol Heat Exchanger by Computational Fluid Dynamics (CFD)

Farhad Shahraki

world applied sciences journal (MSRT BLACKLIST) Volume: (11) 1405 - 1415

60. Modification of Heat Exchanger Network Design by Considering Physical Properties Variation

seyed hamed alavi nejad, Mohammad Reza Sardashti Birjandi, A Kovac Kralj, farhad Fazlollahi, Farhad
chemical and biochemical engineering quarterly Volume: (26) 79 - 87

61. Erratum to On the effect of phase fraction on drop size distribution of liquid liquid dispersions in agitated vessels

, Farhad Shahraki

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (90) 308 - 308

62. Modification of Heat Exchanger Network Design by Considering Physical Properties Variation

Farhad Shahraki

CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY Volume: () 79 - 87

2011

63. Off-Gases Optimization in a Hydrogen

Farhad Shahraki, Mohammad Reza Sardashti Birjandi

CHEMICAL ENGINEERING and TECHNOLOGY Volume: (34) 1974 - 1982

64. Modeling of Water Contaminants Mass Transfer and Water Wastewater Minimization in Chemical Processes

Farhad Shahraki, Mohammad Khorram, ,

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

65. improved recursive algorithm for calculation of probability density in breakup models

, Farhad Shahraki

TRANSACTIONS OF THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS Volume: (57) -

66. steady-state and dynamic simulation and control of crude oil distillation unit results investigation in real processes

, Jafar Sadeghi, Farhad Shahraki

PETROLEUM CHEMISTRY Volume: (53) 167 - 179

67. 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) -

68. Off-Gases Optimization in a Hydrogen Network Refinery

, Farhad Shahraki

CHEMICAL ENGINEERING and TECHNOLOGY Volume: (34) 1947 - 1982

2010

69. Water Wastewater Minimization in Chemical Processes

Farhad Shahraki, Mohammad Khorram, ,

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

70. بهینه کردن جداسازی مایعات نفتی توسط برج تقطیر با هدف کاهش هم‌ژوشانی دمایی محصولات

, , Farhad Shahraki

JOURNAL OF SEPARATION SCIENCE Volume: (2) 49 - 63

71. بررسی و تعیین پارامترهای عملیاتی راکتور جهت شیرین سازی میعانات گازی پالایشگاه شهید هاشمی نژاد سرخس با استفاده از شبیه سازی در محیط

, Farhad Shahraki,

Volume: (9) 15 - 23

72. on the effect of phase fraction on drop size distribution of liquid-liquid dispersions in agitated vessels

, Farhad Shahraki

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: () 803 - 808

2009

73. تولید محصولاتی با ارزش افزوده بیشتر از میان تقطیرهای واحد تاپینگ میعانات گازی پالایشگاه سرخس

Farhad Shahraki

Volume: (19) -

74. انتگراسیون آب در فرایندهای شیمیایی

Farhad Shahraki

Volume: (20) 10 - 18

75. بررسی جریان سیالات درون تبادلگر خط انتقال کوره‌های سکست حرارتی

Farhad Shahraki

Volume: (8) -

76. تحلیل ترمودینامیکی واحد تقطیر پالایشگاه گاز هاشمی نژاد با استفاده از روش اکسرژی

Mohammad Khorram, Farhad Shahraki,

Volume: () 58 - 68

77. در واحد تقطیر پالایشگاه گاز HAZOP معرفی روش

, Rahbar Rahimi, Farhad Shahraki

Volume: (4) -

78. تحلیل ترمودینامیکی واحد تقطیر پالایشگاه گاز هاشمی نژاد با استفاده از روش اکسرژی

, Farhad Shahraki, Mohammad Khorram

Volume: (24) 58 - 68

79. a survey for the selection of control struture for disitllation ...

Farhad Shahraki

Iranian Journal of Chemical Engineering Volume: (6) 29 - 36

80. effect of vertical temperature gradient on heavy gas dispersion in build up area

, Farhad Shahraki, , Amin Behzadmehr

Iranian Journal of Chemical Engineering Volume: (6) 26 - 45

2008

81. توسعه مدل‌های خطی برای کمینه کردن مصرف آب و تولید پساب شبکه های آبی در صنایع
فرایندهای همراه چندین آلاینده

Farhad Shahraki, ,

Volume: (3) -

82. Fully developed mixed convection in horizontal and inclined tubes with uniform heat flux
using nanofluid

, Amin Behzadmehr, Farhad Shahraki

INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW Volume: () 557 - 566

2007

83. Effective Parameters in Computational Fluid Dynamics Simulation of Baffled Stirred
Column Reactor Hydrodynamics with Sliding Mesh

Rahbar Rahimi, Mortaza Zivdar, , Farhad Shahraki,

asian journal of chemistry (MSRT BLACKLIST) Volume: (1) -

84. شیرین سازی مایعات هیدروکربنی، روش ها و کاربردها

, Farhad Shahraki,

Volume: (6) -

85. شبکه ي عصبي با دو روش تطبيقي مرسوم PID مقايسه کنترل کننده

Farhad Shahraki, ,

Volume: (26) 39 - 50

86. Robust control of an ill-conditioned plant using -synthesis A case study for high-purity distillation

, Farhad Shahraki

CHEMICAL ENGINEERING SCIENCE Volume: () -

2006

87. بررسی کاربرد هاي صنعتي، تحقیقات انجام شده و جهت گيري هاي آینده فرآیند تراوش تبخيري

Farhad Shahraki, Mortaza Zivdar,

Volume: () -

88. Robust Control of A High-Purity Distillation Column Using -Synthesis

Farhad Shahraki,

Iranian Journal of Chemical Engineering Volume: () 88 - 97

89. Prediction of Temperature and Concentration Distributions of Distillation Sieve Trays by CFD

Rahbar Rahimi, Farhad Shahraki, Mortaza Zivdar

Tamkang Journal of Science and Engineering Volume: (3) -

90. Efficiencies of Sieve Tray Distillation Columns by CFD Simulation

Rahbar Rahimi, , Farhad Shahraki, Mortaza Zivdar

CHEMICAL ENGINEERING and TECHNOLOGY Volume: () -

91. Prediction of Temperature and Concentration Distribution Sieve Trays by CFD

Rahbar Rahimi, Farhad Shahraki, Mortaza Zivdar

Tamkang Journal of Science and Engineering Volume: (9) 265 - 278

92. کمینه کردن ضایعات و کاهش آلودگي در يك واحد پتروشيمي

Farhad Shahraki, ,

Volume: () -

2005

93. Hydrogen distribution in refinery with non-linear programming

Farhad Shahraki

INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE Volume: () -

بررسی توانمندی دینامیک سیالات محاسباتی در طراحی سینی های غربالی برج تقطیر. 94.

Rahbar Rahimi, Farhad Shahraki

Volume: () -

تصفیه بیولوژیکی و شیمیایی پساب کارخانه فیبر بابلسر با استفاده از فرآیند لجن فعال. 95.

Farhad Shahraki, Hossein Atashi

Journal of Scientific Research Sciences Engineering University of Sistan and Baluchestan Volume: () -

2003

استفاده از دینامیک سیالات محاسباتی در فرآیندهای جداسازی. 96.

Rahbar Rahimi, Farhad Shahraki

Volume: () -

2002

97. Modeling of Buoyancy Flow and Heat Transfer for Air in a Horizontal Annulus Effects of Vertical Eccentricity and Temperature-Dependent Properties

Farhad Shahraki

NUMERICAL HEAT TRANSFER PART A-APPLICATIONS Volume: () 1 - 19

Conferences Papers

2021

1. Investigation and simulation of convection section of a refinery distillation unit furnace with CFD

CHISA 2021 VIRTUALLY - 24th International Congress of Chemical and Process Engineering

Mohammad Reza Sardashti Birjandi, Farhad Shahraki, Kiyanoosh Razzaghi, Fatemeh Karimiyan, Tayebah Darbandi

2020

2. Quality Soft Sensor Design for Crude Oil Desalting/Dehydration Unit Using Local Instrumental Variable (LIV) Approach

The 11th International Chemical Engineering Congress Exhibition (IChEC 2020)

Bahareh Bidar, Farzane Naimirad, Mir mohammad Khalilipour langroudi, Farhad Shahraki, Jafar Sadeghi

2019

3. Simulation of Catalytic Reactors of Ilam Sulfur Recovery Unit Using Aspen Plus

The 16th Iranian National Congress of Chemical Engineering

Asma Taherinia, Farhad Shahraki, Ahmad Hlajisani, Shahin Kharaji

4. Steady State Simulation of Reaction Furnace and Waste Heat Boiler of Sulfur Recovery Unit of Ilam Refinery Using Aspen® software

The 16th Iranian National Congress of Chemical Engineering

Asma Taherinia, Farhad Shahraki, Mir mohammad Khalilipour langroudi, Ahmad Hlajisani, , Shahin Kharaji

5. Experimental Study of Laminar Heat Transfer Enhancement in a Circular Tube Fitted with Koflo Blade Static Mixer

The 16th Iranian National Congress of Chemical Engineering

Ramin Zarei, Kiyanoosh Razzaghi, Farhad Shahraki

6. Laminar Heat Transfer Augmentation by Low-Pressure-Drop Motionless Mixers: An Experimental Study

The 16th Iranian National Congress of Chemical Engineering

Zahra Meftah, Kiyanoosh Razzaghi, Farhad Shahraki

7. Adsorption Process Simulation in Natural Gas Mercaptan Removal Unit and Study on the effects of Operational Variables

The 6th IRANIAN NATIONAL ZEOLITE CONFERENCE

Reza Seyed abadi, Farhad Shahraki, Bahareh Bidar, Mohammad Reza Sardashti Birjandi

2018

8. A data-driven soft sensing approach for quality prediction in sulfur recovery unit using state dependent parameter models

The 10th International Chemical Engineering Congress Exhibition (IChEC 2018)

Bahareh Bidar, Farhad Shahraki, Jafar Sadeghi, Mir mohammad Khalilipour langroudi

9. A study of effective parameters to increase production of sulfur recovery unit in the Ilam refinery

The national conference on traetment of water oil and soil (TWAS2018)

Asma Taherinia, Farhad Shahraki, Mir mohammad Khalilipour langroudi, , Shahin Kharaji

2017

10. Hydrogen Management in the Refnery by Minimizing CO2 Emissions

10th WORLD CONGRESS OF CHEMICAL ENGINEERING

Farhad Shahraki, , Kiyanooosh Razzaghi

11. Soft sensor design for continuous product quality prediction in debutanizer column

1st GPP national conference on gas and petrochemical process

, Farhad Shahraki, Jafar Sadeghi, Mir mohammad Khalilipour langroudi

12. Non-Square Control Structure Selection for Crude Distillation Column Using Relative Gain Array Effect of Uncertain Feed Conditions

10th World Congress of Chemical Engineering

2011

14. investigation of wall effect on hydrodynamic of fixed bad reactor using coputation fluid dynamics

15. Hydrogen distribution network optimization with application of membrane

07th International Congress on Chemical Engineering

, Farhad Shahraki, Mohammad Reza Sardashti Birjandi

2010

16. water and wastewater minimization in chemical process with without reverse osmosis

13th asia pacific confederation of chemical engineering congress

Farhad Shahraki,

17. application of hazard and operability study method study to evaluate enviromental risk of incinerator in a sulphur recovery unit

Farhad Shahraki

18. decreasing c02 emission of hydrogen plant in the refinery

, Farhad Shahraki,

19. hydrogen distribution network optimization application psa model

1st international regional chemical and petroleum engineering conference

, Farhad Shahraki

20. a review of single-phase closed loop thermosyphon and simulating with ansys cfx

1st international regional chemical and petroleum engineering conference

, Farhad Shahraki

21. targeting cogeneration potential for given energy source/demand

1st international regional chemical and petroleum engineering conference

Farhad Shahraki,

22. cfx ability assessment compared with aloha and panache in simulation of kitfox field experiment

1st international regional chemical and petroleum engineering conference

, , Farhad Shahraki

23. dynamic analysis of distillation column sequences using aspen dynamic and matlab software

1st international regional chemical and petroleum engineering conference

, Jafar Sadeghi, Farhad Shahraki

24. consequence assessment of chlorine in water treatment plant of rasht

1st international regional chemical and petroleum engineering conference

25. Hydrogen distribution network optimization with application PSA model

26. energy management in water and wastewater networks in refineries

Farhad Shahraki

27. risk analysis of a distillation columns feed using hazop procedures

Farhad Shahraki

28. design and synthesis of heat integrated distillation sequences(HIDS)for a separation plant

Farhad Shahraki

29. water and wastewater minimization using non-linear programming

Farhad Shahraki

30. multi objective optimization of the water network in an oli refinery using reuse method

Farhad Shahraki

31. application of ant colony optimization on process control FCCcontrol structure

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