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Education

- MS, Chemical Engineering,University of Tehran - 1993
- PhD, Chemical Engineering,University of Surrey UK - 2003
- PhD, Chemical Engineering,University of Surrey UK - 2003

Courses

1. Material and energy balance
2. Surface phenomena
3. special topics I
4. Nano Materials
5. Surface Phenomena
6. Transport Phenomena

Thesis

1. swro

   سينا آقاملائي, [Abdolreza Samimi]

Master Thesis

1. Experimental study of metal-organic framework preparation for heavy metal removal from industrial wastewater

پري سلطاني, [Mozhgan Zakeri, Abdolreza Samimi, Azadeh Agah]

نيمسال اول سال تحصيلي 01-00

2. study parameters affecting separation of dispersed oil in water with induced gas flotation method

سجاد بهادر, [Abdolreza Samimi, Davod Mohebbi Kalhori]

نيمسال اول سال تحصيلي 00-99

3. Foam shape ceramic membrane to improve performance of microbial fuel cell

محبوبه خادمي, [Davod Mohebbi Kalhori, Abdolreza Samimi,]

نيمسال اول سال تحصيلي 00-99

4. synthesis and study the performance of MD membrane for desalination from RO wastewater

احسان كياني علي ابادي, [Abdolreza Samimi, Davod Mohebbi Kalhori, H J]

نيمسال دوم سال تحصيلي 99-98

5. Improving the thermal performance of the hybrid vehicle lithium-ion battery by simulating heat transfer

رضا توكلي, [Davod Mohebbi Kalhori, Abdolreza Samimi]

نيمسال دوم سال تحصيلي 99-98

6. The possibility of using waste heat in brayton cycle in deslinating units with zero liquid discharging and cooling prodution

عليرضا پيماني فروشاني, [Jafar Sadeghi, Farhad Shahraki, Abdolreza Samimi]

نيمسال اول سال تحصيلي99-98

7. Pre-treatment of inlet water to reverse osmosis system of parsian gas refining company using capacitive deionization method in order to increase produced freshwater efficiency and reduce effluent.

محمدرضا رمضانپور, [Abdolreza Samimi, , Davod Mohebbi Kalhori]

نيمسال اول سال تحصيلي99-98

8. Effect of microalgae to improve performance of microbial fuel cell to green energy production

غلامرضا نجفي, [Davod Mohebbi Kalhori, Abdolreza Samimi]

نيمسال اول سال تحصيلي99-98

9. study parameters affecting separation of dispersed oil in water with induced gas flotation method

سجاد بهادر, [Abdolreza Samimi, Davod Mohebbi Kalhori]

نيمسال اول سال تحصيلي99-98

10. synthesis and study the performance of MD membrane for desalination from RO wastewater

احسان كياني علي ابادي, [Abdolreza Samimi, Davod Mohebbi Kalhori, H J]

نيمسال اول سال تحصيلي99-98

11. Removing of mixed pollutant gases from air using composite zeolite / activated carbon paking in a biofilter

فائزه صنعتگرقوچاني, [Davod Mohebbi Kalhori, Abdolreza Samimi, L L]

نيمسال اول سال تحصيلي99-98

12. Foam shape ceramic membrane to improve performance of microbial fuel cell

محبوبه خادمي, [Davod Mohebbi Kalhori, Abdolreza Samimi,]

نيمسال اول سال تحصيلي99-98

13. Mathematical modeling of drug release from anodic surfaces coating with nanofiber matrix in orthopedic implants

سميه خيرخواه, [Davod Mohebbi Kalhori, Abdolreza Samimi, H J]

نيمسال اول سال تحصيلي99-98

14. The possibility of using waste heat in brayton cycle in deslinating units with zero liquid discharging and cooling prodution

عليرضا پيماني فروشاني, [Jafar Sadeghi, Farhad Shahraki, Abdolreza Samimi]

نيمسال اول سال تحصيلي99-98

15. Experimental study the parameters affecting seeding granulation of melt urea

علي كيخسرواني, [Abdolreza Samimi, Davod Mohebbi Kalhori, Mozhgan Zakeri]

نيمسال دوم سال تحصيلي 98-97

16. The possibility of using waste heat in brayton cycle in deslinating units with zero liquid discharging and cooling prodution

عليرضا پيماني فروشاني, [Jafar Sadeghi, Farhad Shahraki, Abdolreza Samimi]

نيمسال دوم سال تحصيلي 98-97

17. The possibility of using waste heat in brayton cycle in deslinating units with zero liquid discharging and cooling prodution

عليرضا پيماني فروشاني, [Jafar Sadeghi, Farhad Shahraki, Abdolreza Samimi]

نيمسال دوم سال تحصيلي 98-97

18. vvv

محمد عرفانيان ظروفي, [Seyed Arman Hashemi Monfared, Abdolreza Samimi, Bahareh Pirzadeh]

نيمسال دوم سال تحصيلي 97-96

19. CO2- CPU

اسماعيل كوهستانيان, [Jafar Sadeghi, Davod Mohebbi Kalhori, Farhad Shahraki, Abdolreza Samimi]

نيمسال دوم سال تحصيلي 97-96

20. ssde

محمد عرفانيان ظروفي, [Seyed Arman Hashemi Monfared, Bahareh Pirzadeh, Abdolreza Samimi]

نيمسال اول سال تحصيلي 97-96

21. preparation of electrospun nanofibrous scaffold based on polypyrrole conductive polymer for tissue engineering applications

مريم زارعي, [Abdolreza Samimi, Mohammad Khorram, A A]

نيمسال اول سال تحصيلي 97-96

22. study the effect of magnetic field on electrohydrodynamics atomization and alignment of polymer

ياسين مويدفرد, [Abdolreza Samimi, Hamed Khosravi, H J]

نيمسال اول سال تحصيلي 97-96

23. study on synthesis of carbon nano tubes on polymer substrates using plasma enhanced chemical vapor deposition fopr water treatments membrane fabrication

سیدمحمدهادي نبوي, [Abdolreza Samimi, H J, H J]

نیمسال اول سال تحصیلي94-95

24. Synthesis of alomina granules using high shear mixer

احسان بهادري یکتا, [Mahdi Shafiee Afarani, Abdolreza Samimi]

نیمسال اول سال تحصیلي90-89

Journals Papers

2025

1. In-depth recognition of mixed surfactants maintaining the enzymatic activity of cellulases through stabilization of their spatial structures

Qiangqiang Liu, Meysam Madadi, Salauddin Al Azad, Chihe Sun, Ezhen Zhang, Junshu Yan, Abdolreza Sami

BIORESOURCE TECHNOLOGY Volume: (416) 1 - 12

2. Green synthesis of ZIF-8 nanoparticles for the simultaneous removal of Cd II) and Sb III) from contaminated wastewater

Pari Soltani, Mozhgan Zakeri, Abdolreza Samimi, Azadeh Agah

Advances in Environmental Technology Volume: (11) 75 - 90

3. Super hydrophilic and super oleophobic carbon nanotube/TiO2 composite membranes for efficient separation of algal-derived oil/water emulsions

Ali Ahmadi, Soheila Shokrollahzadeh, Abdolreza Samimi, Alireza Ashori

COLLOIDS AND SURFACES B-BIOINTERFACES Volume: (248) 114491-1 - 114491-12

4. Elucidation of mixed surfactants reducing mass transfer resistance during high-solids enzymatic hydrolysis from lignocellulosic biomass

Qiangqiang Liu, Chihe Sun, Meysam Madadi, Ezhen Zhang, Ao Xia, Abdolreza Samimi, Fubao Sun

CHEMICAL ENGINEERING JOURNAL Volume: (507) 160332-1 - 160332-14

5. Role of in situ surfactant modification of lignin structure and surface properties during glycerol pretreatment in modulating cellulase-lignin binding affinities

Hui Zhang, Weimeng Li, Guojie Song, Salauddin Al Azad, Meysam Madadi, Zhichao Deng, Abdolreza Samimi

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: (687) 786 - 800

2024

6. Enhanced enzymatic hydrolysis of lignocellulosic substrate with less-expensive formulation of homemade cellulase cocktails

Qiangqiang Liu, Chihe Sun, Meysam Madadi, Shaohua Dou, Junshu Yan, Hailin Huan, Abdolreza Samimi, Al

INDUSTRIAL CROPS AND PRODUCTS Volume: (219) 119039 -

7. Synthesis of mesoporous ?-alumina from a low-grade boehmite ore: Effect of thermal/chemical processing order on physico-chemical characteristics of adsorbent and regeneration of used transformer oils

Kosar Dinarvandi, Abdolreza Samimi, Davod Mohebbi Kalhori, Mozhgan Zakeri, Reyhaneh Zakeralhosseini

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (209) 72 - 80

8. Unraveling the secrets of harnessing a surfactant-modified strategy in organosolv pretreatment of lignocellulosic biomass for efficient fermentable sugar production

Guojie Song, Hui Zhang, Meysam Madadi, Zhixiangpeng Chen, Hao Wang, Ao Xia, Abdolreza Samimi, Chihe

GREEN CHEMISTRY Volume: (26) 10123 - 10138

9. Pulsed Electric Field Treatment for Efficient oil Extraction from Nannochloropsis salina Microalgae: A Green and Sustainable Approach

Milad Kermani, Abdolreza Samimi, Davod Mohebbi Kalhori, Razieh Beigmoradi, Soheila Shokrollahzadeh,

JOURNAL OF POLYMERS AND THE ENVIRONMENT Volume: (32) 5888 - 5901

2023

10. Microalgal biofouling formation on tubular cellulose-ester membranes during dewatering by forward osmosis

Salma Karamad yazdanabad, Yolanda Soriano Jerez, Abdolreza Samimi, Soheila Shokrollahzadeh, Davod Mo

BIOFOULING Volume: (39) 371 - 384

11. تأثير تلفيق ميدان مغناطيسي و پاشش الكتريكي بر جهت گيري نانولوله هاي كربني در ذرات جاذب كامپوزيتي هسته-پوسته آلژينات و جذب متيلن بلو

Yassin Moayedfard, Abdolreza Samimi, Hamed Khosravi, Beigmoradi Razieh

Volume: (42) 17 - 32

12. Performance evaluation of novel ml-scale microbial fuel cells using different polymeric hollow-fiber membranes

, Vajihe Yousefi, Davod Mohebbi Kalhori, Abdolreza Samimi

Journal of Water Process Engineering Volume: (55) 104064-1 - 104064-12

13. Nutrients removal from raw municipal wastewater using Chlorella vulgaris microalgae

Hadis Mostafaei, Abdolreza Samimi, Soheila Shokrollahzadeh, Salma Karamad yazdanabad, Ali Sheikhinej

Advances in Environmental Technology Volume: (9) 47 - 57

14. Use of high salinity water in a power plant by connecting a direct contact membrane distillation (DCMD) to a steam-injected gas turbine (STIG)

, Jafar Sadeghi, Farhad Shahraki, Abdolreza Samimi

Heliyon Volume: (9) e21335-1 - e21335-16

15. Fabrication and Optimization of Superhydrophobic ZnO-SA /PVC/PVP Nanocomposite Membrane Distillation for Highly Saline RO Brine Recovery

Ehsan Kiyani ali abadi, Abdolreza Samimi, Davod Mohebbi Kalhori, Razieh Beigmoradi

Journal of Particle Science and Technology Volume: (2) 103 - 113

16. Implementation of Chitosan Modified Ultrafiltration Hollow Fiber as Proton Exchange Membrane of Ml-Scale Microbial Fuel Cells

, Vajihe Yousefi, Davod Mohebbi Kalhori, Abdolreza Samimi

Hydrogen, Fuel Cell and Energy Storage Volume: (10) 229 - 310

2022

17. Forward osmosis dewatering of seawater and pesticide contaminated effluents using the commercial fertilizers and zinc-nitrate blend draw solutions

, Abdolreza Samimi, Davod Mohebbi Kalhori, Soheila Shokrollahzadeh, Yasamin Bide

SCIENCE OF THE TOTAL ENVIRONMENT Volume: (820) 153376-1 - 153376-10

18. Connection a vapor jet refrigeration system to a steam injected gas turbine

, Jafar Sadeghi, Farhad Shahraki, Abdolreza Samimi

ENERGY Volume: (261) 125246 -

2021

19. Fabrication and characterization of conductive polypyrrole/chitosan/collagen electrospun nanofiber scaffold for tissue engineering application

Maryam Zarei, Abdolreza Samimi, Mohammad Khorram, Mahnaz M. Abdi, Seyyed Iman Golestaneh

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: (168) 175 - 186

20. Controllability of the hydrophilic or hydrophobic behavior of the modified polysulfone electrospun nanofiber mats

, Abdolreza Samimi, Davod Mohebbi Kalhori

POLYMER TESTING Volume: (93) 106970 -1 - 106970 -12

21. Microalgae biomass dewatering by forward osmosis: Review and critical challenges

Salma Karamad yazdanabad, Abdolreza Samimi, Soheila Shokrollahzadeh, Davod Mohebbi Kalhori, Nasrin M

Algal Research-Biomass Biofuels and Bioproducts Volume: (56) 102323 -1 - 102323-17

22. 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

23. Experimental evaluation of parameters affecting the coating performance of urea seeds in a prototype bottom external mixing spray two-fluid nozzle fluidized bed granulator

, Ali Keikhosravani, Abdolreza Samimi, Davod Mohebbi Kalhori, Mozhgan Zakeri

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (172) 242 - 253

24. A mesoporous melamine/chitosan/activated carbon biocomposite: Preparation, characterization and its application for Ni (II) uptake via ion imprinting

Sayed reza Mousavie qeydari, Abdolreza Samimi, Davod Mohebbi Kalhori, Ebrahim Ahmadi

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: (188) 126 - 136

25. Study of the Youngs modulus and failure strength of binary polymer composite structures based on polyurethane based on stress-strain curve for tissue engineering vascular

, Davod Mohebbi Kalhori, Afra Hadjizadeh, Abdolreza Samimi

Volume: (12) 141 - 150

26. Stability of Nanofluid-Surfactants as Volumetric Receivers in Parabolic Trough Solar Collectors; a Molecular Dynamic Approach

Hamed Farzaneh, Amin Behzadmehr, Abdolreza Samimi

Transport Phenomena in Nano and Micro Scales Volume: (9) 109 - 116

27. Characterization of Fresh and Regenerated Industrial Hydrocracking Catalysts; Study Causes of Deactivation

Salman Hajian ghayemi, Abdolreza Samimi, Masoud Nematollahi

IRANIAN JOURNAL OF CHEMISTRY and CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION Volume: (40) 1765 - 1776

2020

28. Effect of synthesis method on structural and physical properties of MgO/MgAl2O4 nanocomposite as a refractory ceramic

Hamidreza Shafiee, Alireza Salehirad, Abdolreza Samimi

APPLIED PHYSICS A-MATERIALS SCIENCE and PROCESSING Volume: (126) 1 - 9

29. Start-up investigation of the self-assembled chitosan/montmorillonite nanocomposite over the ceramic support as a low-cost membrane for microbial fuel cell application

, Davod Mohebbi Kalhori, Abdolreza Samimi

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (45) 4804 - 4820

30. CFD modeling of an industrial scale two-fluid nozzle fluidized bed granulator

, Abdolreza Samimi, Davod Mohebbi Kalhori

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (159) 605 - 614

31. Effect of corrugated structure on the collapsing of the small-diameter vascular scaffolds

Saeed Akbari, Davod Mohebbi Kalhori, Abdolreza Samimi

JOURNAL OF BIOMATERIALS APPLICATIONS Volume: (34) 1355 - 1367

32. Application of halophilic microorganisms in osmotic membrane bioreactor (OMBR) for reduction of volume and organic load of produced water

Razieh Ahmadizadeh, Soheila Shokrollahzadeh, Seyed Mahdi Latifi, Abdolreza Samimi, Alireza Pendashte

Journal of Water Process Engineering Volume: (37) 101422-1 - 101422-9

33. Application of a Novel Surfactant-Modified Natural Nano-Zeolite for Removal of Heavy Metals from Drinking Water

, Alireza Rezvani, Abdolreza Samimi, Masoud Shayesteh

advanced journal of chemistry-section a Volume: (3) 612 - 620

34. Fabrication and characterization of a novel compliant small-diameter PET/PU/PCL triad-hybrid vascular graft

, Davod Mohebbi Kalhori, Abdolreza Samimi, Afra Hadjizadeh, Gholam Hossein Kazemzadeh

Biomedical Materials Volume: (15) 055004-1 - 055004-16

35. Comparative Study on the Harvesting of Marine Chlorella vulgaris Microalgae from a Dilute Slurry Using Autoflocculation-Sedimentation and Electrocoagulation-Flotation Methods

Zahra Pishgar, Abdolreza Samimi, Davod Mohebbi Kalhori, Soheila Shokrollahzadeh

International Journal of Environmental Research Volume: (14) 615 - 628

36. Synergistic effect of amino-acids and metal salts as draw solutions to enhance the performance of fertilizer-drawn forward osmosis

, Soheila Shokrollahzadeh, Abdolreza Samimi, Davod Mohebbi Kalhori

Environmental Science-Water Research and Technology Volume: (6) 3121 - 3131

37. Improving the Antibacterial and Biofilm properties of Urinary Catheters by Using Green Tea and Ziziphora Extracts

, Davod Mohebbi Kalhori, Abdolreza Samimi, Reza Karazhyan

Volume: (8) 381 - 396

2019

38. Optimization of calcium alginate beads production by electrospray using response surface methodology

Mozhgan Zakeri, Hamid Moghadam Deymeh, Abdolreza Samimi, Davod Mohebbi Kalhori

Materials Research Express Volume: (6) 095412 -

39. شبيه سازي - بهينه سازي منابع آب، با هدف حداقل سازي عدم تامين نيازها و حداقل سازي برداشت از منابع آب هاي زيرزميني (مطالعه موردي حوضه زاهدان)

Mohammad Erfanian zorofi, Seyed Arman Hashemi Monfared, Abdolreza Samimi, Bahareh Pirzadeh

Volume: (6) 593 - 609

40. Mono-Size Distribution Index (MSDI): A new criterion for the quantitative description of size distribution

Hamid Moghadam Deymeh, Mozhgan Zakeri, Abdolreza Samimi

Journal of Particle Science and Technology Volume: (5) 71 - 76

41. Equivalent Electrical Circuit Modeling of Ceramic-Based Microbial Fuel Cells Using the Electrochemical Impedance Spectroscopy (EIS) Analysis

, Davod Mohebbi Kalhori, Abdolreza Samimi

Journal of Renewable Energy and Environment Volume: (6) 21 - 28

42. Preparation and characteristics evaluation of zeolite/activated carbon composite granules, using high shear mixer granulator

Elham Narooei, Davod Mohebbi Kalhori, Abdolreza Samimi, Mortaza Zivdar

Materials Research Express Volume: (6) 125532-1 - 125532-12

43. A comparative study of the effect of compost/woodchips mixture, natural zeolite and zeolite/activated carbon mixture as packing materials on the biofilter performance

Elham Narooei, Davod Mohebbi Kalhori, Abdolreza Samimi, Mortaza Zivdar

Advances in Environmental Technology Volume: (5) 67 - 75

44. Bentazon removal from aqueous solution by reverse osmosis; optimization of effective parameters using response surface methodology

, Abdolreza Samimi, Soheila Shokrolahzadeh, Davod Mohebbi Kalhori

Advances in Environmental Technology Volume: (5) 193 - 201

2018

45. 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

46. Forward osmosis water desalination Fabrication of graphene oxide-polyamide/polysulfone thin-film nanocomposite membrane with high water flux and low reverse salt diffusion

, soheila shokrollahzadeh, , Abdolreza Samimi

SEPARATION SCIENCE AND TECHNOLOGY Volume: (53) 573 - 583

47. Effects of porosity and pore size distribution on mechanical strength reliability of industrial-scale catalyst during preparation and catalytic test steps

, Abdolreza Samimi, Mahdi Shafiee Afarani,

PARTICULATE SCIENCE AND TECHNOLOGY Volume: (36) 96 - 103

48. Synthesis and adsorption performance of a modified micro-mesoporous MIL- 101(Cr) for VOCs removal at ambient conditions

, , , Abdolreza Samimi, Davod Mohebbi Kalhori

CHEMICAL ENGINEERING JOURNAL Volume: (341) 164 - 174

49. Fabrication of polymeric nanofibrous mats with controllable structure and enhanced wetting behavior using one-step electrospinning

, Abdolreza Samimi, Davod Mohebbi Kalhori

POLYMER Volume: (143) 271 - 280

50. Application of layer-by-layer assembled chitosan/montmorillonite nanocomposite as oxygen barrier film over the ceramic separator of the microbial fuel cell

, Davod Mohebbi Kalhori, Abdolreza Samimi

ELECTROCHIMICA ACTA Volume: (283) 234 - 247

51. Small-diameter vascular graft using co-electrospun composite PCL/PU nanofibers

, Davod Mohebbi Kalhori, Abdolreza Samimi, Afra Hadjizadeh, Gholam Hossein Kazemzadeh

Biomedical Materials Volume: (13) 055014 -

52. Engineering of oriented carbon nanotubes in composite materials

, Abdolreza Samimi, Davod Mohebbi Kalhori

Beilstein Journal of Nanotechnology Volume: (9) 415 - 435

53. Forward osmosis water desalination: Fabrication of graphene oxide-polyamide/polysulfone thin-film nanocomposite membrane with high water flux and low reverse salt diffusion

Shahrzad Shokrgozar Eslah, Soheila Shokrollahzadeh, Omid Moini Jazani, Abdolreza Samimi

SEPARATION SCIENCE AND TECHNOLOGY Volume: (53) 573 - 583

2017

54. Sensitivity analysis and multi-objective optimization of CO2CPU process using response surface methodology

, Abdolreza Samimi, Davod Mohebbi Kalhori, Jafar Sadeghi

ENERGY Volume: (122) 570 - 578

55. Ceramic-based microbial fuel cells (MFCs) A review

, Davod Mohebbi Kalhori, Abdolreza Samimi

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (42) 1672 - 1690

56. Interaction between Weibull parameters and mechanical strength reliability of industrial-scale water gas shift catalysts

, Abdolreza Samimi, Mahdi Shafiee Afarani,

Particuology Volume: (32) 160 - 166

57. Characteristic mechanisms controlling the reaction rate for powdered and industrial scale formed Cu/Zn/Mg/Al water gas shift nanocatalysts

Abdolreza Samimi, , Amir Vatankhah, Davod Mohebbi Kalhori

Reaction Kinetics Mechanisms and Catalysis Volume: (120) 489 - 500

58. experimental-numerical investigation on the effects of macroporous scafold geometry on cell culture parameters

, Abdolreza Samimi

INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS Volume: (4) 185 - 195

59. An experimental-numerical investigation on the effects of macroporous scaffold geometry on cell culture parameters

Hadis Eghbali, nava Michele, Gabriella Leonardi Leonardi, Davod Mohebbi Kalhori, Roberto Sebastiano,

INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS Volume: (40) 185 - 195

60. Evaluation of Biocompatibility and Reaction of the Immune System of the Rat with the Single and Composite Electrospun Nanofiber Structures (PCL/PU) for Tissue Engineering Applications.

, Davod Mohebbi Kalhori, Gholamhossein Kazemzadeh, Abdolreza Samimi

Volume: (8) 242 - 249

2016

61. Effect of separator electrode assembly (SEA) design and mode of operation on the performance of continuous tubular microbial fuel cells (MFCs)

, Davod Mohebbi Kalhori, Abdolreza Samimi,

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (41) 597 - 606

62. Synthesis of titania–-alumina multilayer nanomembranes on performance-improved alumina supports for wastewater treatment

Masoud Shayesteh, Abdolreza Samimi, Mahdi Shafiee Afarani,

Desalination and Water Treatment Volume: (20) 9115 - 9122

63. Novel one-pot dry method for large-scale production of nano c-Al2O3 from gibbsite under dry conditions

Sajad Kiani, Abdolreza Samimi,

MONATSHEFTE FUR CHEMIE Volume: (147) 1153 - 1159

64. Application of sodium bicarbonate as draw solution in forward osmosis desalination influence of temperature and linear flow velocity

Mohammad Nematzadeh, Abdolreza Samimi,

Desalination and Water Treatment Volume: (57) 20784 - 20791

65. Stability of nanofluids Molecular dynamic approach and experimental study

, Amin Behzadmehr, M . Yaghoubi, Abdolreza Samimi, S.M.H . Sarvari

ENERGY CONVERSION AND MANAGEMENT Volume: (111) 1 - 14

2015

66. Experimental and statistical assessments of the mechanical strength reliability of gamma alumina catalyst supports

Abdolreza Samimi, , Basir Maleki, Davod Mohebbi Kalhori

Particuology Volume: () 74 - 81

67. Synthesis of titania-gama-alumina multilayer nanomembranes on performance-improved alumina supports for wastewater treatment

, Abdolreza Samimi, Mahdi Shafiee Afarani,

Desalination and Water Treatment Volume: () 1 - 8

68. Kinetics investigation of diversity cultures of E. coil and Shewanella SP., and their combined effect with mediator on MFC performance

, Abdolreza Samimi, Davod Mohebbi Kalhori,

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: () 45 - 50

69. Electrospray preparation of propranolol-loaded alginate beads: Effect of Matrix Reinforcement on loading and release profile

m khorram, , Abdolreza Samimi, Hamid Moghadam Deymeh

JOURNAL OF APPLIED POLYMER SCIENCE Volume: () 1 - 9

70. Performance of potassium bicarbonate and Calcium Chloride draw solutions for desalination of saline water using forward osmosis

, Abdolreza Samimi, , Amin Behzadmehr

Transport Phenomena in Nano and Micro Scales Volume: () 29 - 36

71. Competition between E. coil and shewanella sp. for electricity generation in air cathode MFC in presence of methylene blue as artificial mediator

, Abdolreza Samimi, Davod Mohebbi Kalhori, ,

Environmental Progress and Sustainable Energy Volume: (34) 1097 - 1105

2014

72. In Situ Solvothermal Crystallization of TiO2 Nanostructure on Alumina Granules for Photocatalytic Wastewater Treatment

Emad Khaksar, Mahdi Shafiee Afarani, Abdolreza Samimi

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE Volume: (23) 92 - 100

73. The effects of RF-sputted TIo2 top layer on proe structure of composite ceramic membranes

Abdolreza Samimi

SURFACE and COATINGS TECHNOLOGY Volume: () 1256 - 1258

74. The effect of RF-suputtered Tio2 top layer on pore structure of composite ceramic membrane

, , Abdolreza Samimi

SURFACE and COATINGS TECHNOLOGY Volume: () 1256 - 1258

75. Effect of support and promoter on the catalytic performance and structural properties of the Fe-Co-Mn catalysts for Fischer-Tropsch synthesis

, Ali Akbar Mirzaei, , Abdolreza Samimi,

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: () 1313 - 1323

76. In Situ Sollvothermal crystallization of Tio2 Nanostructure on Alumina Granules for photocatalytic wastewater treatment

Emad Khaksar, Mahdi Shafiee Afarani, Abdolreza Samimi

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE Volume: (23) 92 - 100

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8. USE OF SALINE WATER FOR INCREASE THE TURBINE OUTPUT POWER BY CONNECTION OF DIRECT CONTACT MEMBRANE DISTILLATION (DCMD) UNIT TO A STEAM INJECTED GAS TURBINE (SIGT)

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10. Thermally stable UIO-66 nano-adsorbent with high gasoline vapor recovery

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15. Extraction of canola oil with supercritical carbon dioxide Experimental and Modeling

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16. Nano Haloing in Stabilization of Colloidal Microspheres

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21. Combined Process of Electro-Spray and Freeze Drying for Production of Nanoparticale assemblies With View of Redispersion

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22. Tribo-Electrification of Pharmaceutical Powders

Symposiom of Particle Technology

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23. Measurement of Cherge Transfer Due to Single Particle Impact

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24. Characterisation of Dispersion Behaviour of Powder in Liquids

Particulate System Analysis Conference Stratford-Upon-Avon

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2004

25. Measurement of Tribo-Charging by Particle Impact

9th international Conference Multiphase Flow in Industrial Plants

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Executive activities

مشاور پژوهشي رئيس دانشگاه

from 1397/11/13 - to 1403/06/31

سردبير مجله علمي پژوهشي

from 1397/11/13 - now

دبير هيات مميزه دانشگاه

from 1397/06/24 - to 1397/11/01

معاون آموزشي و تحصيلات تكميلي دانشگاه

from 1396/04/25 - to 1397/11/09

عضو هيات تحريريه مجله علمي پژوهشي

from 1395/07/01 - now

عضو هيات تحريريه مجله

from 1393/07/01 - to 1397/06/01

Research Project

2015

1. Experimental and CFD simulation studies of transport phenomena in the urea fluidized bed granulator

Abdolreza Samimi - 2015

2008

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