

Prof. GÜLAY ÖZKAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: Y-8119-2018

ScopusID: 10044744700

Yoksis Researcher ID: 7933

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 1993 - 1997

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 1989 - 1993

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1984 - 1989

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Polistiren reaktörünün optimum sıcaklık profiline adaptif geliştirilmiş prediktif kontrolün uygulanması, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 1997

Postgraduate, Bir damıtma kademesi dinamik benzetim algoritmasının "object-oriented" programlanması, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 1993

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2010 - Continues

Associate Professor, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2008 - 2010

Assistant Professor, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2000 - 2008

Research Assistant, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1990 - 2000

Academic and Administrative Experience

Farabi Program Department Coordinator, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2023 -

Continues

BAP Scientific Commissioner, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2021 - 2022

Courses

plastik teknolojisi, Postgraduate, 2022 - 2023

Gradueyt thesis, Undergraduate, 2022 - 2023

HEAT TRANSFER , Undergraduate, 2022 - 2023

Proses Dinamiği ve Kontrolü , Undergraduate, 2022 - 2023

OPTIMIZATION, Undergraduate, 2021 - 2022

Kimya Mühendisliği Matematiği, Undergraduate, 2021 - 2022

Veri Analiz Teknikleri , Postgraduate, 2021 - 2022

Optimizasyon, Undergraduate, 2021 - 2022

PROCESS DYNAMICS AND CONTROL , Undergraduate, 2022 - 2023

Optimizasyon , Undergraduate, 2022 - 2023

Matematiksel Modelleme, Undergraduate, 2021 - 2022

MATHEMATICAL MODELLING , Undergraduate, 2021 - 2022

Gradueyt/ARAŞTIRMA TEKNİKLERİ, Undergraduate, 2021 - 2022, 2015 - 2016, 2014 - 2015

KİMYA MÜH LABORATUVARI, Undergraduate, 2016 - 2017, 2015 - 2016

Plastik teknolojisi, Postgraduate, 2016 - 2017, 2015 - 2016, 2012 - 2013

OPTİMİZASYON, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2010 - 2011, 2009 - 2010

HEAT TRANSFER, Undergraduate, 2016 - 2017, 2015 - 2016

Process Control, Undergraduate, 2015 - 2016

Kimya mühendisliğine giriş, Undergraduate, 2014 - 2015

Proces control, Undergraduate, 2014 - 2015

Kimya mühendisliği lab, Undergraduate, 2014 - 2015

Heat tranfer, Undergraduate, 2014 - 2015

kimya mühendisliği matamatığı, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

Kimya müh lab, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2003 - 2004, 2001 - 2002, 2000 - 2001

VERİ ANALİZ TEKNİKLERİ, Postgraduate, 2013 - 2014

Mathematical modeling, Undergraduate, 2013 - 2014

Proses kontrol, Undergraduate, 2013 - 2014, 2010 - 2011, 2008 - 2009

Isı Aktarımı, Undergraduate, 2013 - 2014

Proses kontrol,modele dayalı kontrol,, Postgraduate, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2003 - 2004, 2002 - 2003, 2001 - 2002

Sayısal analiz, Undergraduate, 2007 - 2008, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2000 - 2001

Bilgisayar programlama, Undergraduate, 2003 - 2004, 2002 - 2003, 2001 - 2002

Advising Theses

ÖZKAN G., Ni-B and Ni-B-Zr catalyzed hydrogen production from mixtures of sodium borohydride and ammonia borane, Postgraduate, D.LİM(Student), 2020

ÖZKAN G., Comparison of geosynthetic barriers by using standard methods, Postgraduate, A.ÖZCAN(Student), 2019

ÖZKAN G., Tek hücreli erimiş karbonat yakıt hücresi (EKYH) için matriks geliştirilmesi ve sistem tasarımı, Doctorate, S.GEMİCİ(Student), 2019

ÖZKAN G., Solvo-termal yol ile Ni₂B sentez koşullarının belirlenmesi ve erimiş karbonatlı yakıt hücresi anot materyali olarak kullanılabilirliğinin araştırılması, Postgraduate, E.BAŞARIR(Student), 2017

ÖZKAN G., Bulanık mantığın termal konfora uygulanması, Postgraduate, C.İMANCI(Student), 2015

ÖZKAN G., Erimiş karbonat yakıt hücresi elektrot malzemelerinin şerit döküm tekniği ile hazırlanması ve optimum üretim koşullarının belirlenmesi, Postgraduate, Ç.ERKAY(Student), 2014

ÖZKAN G., Şeker endüstrisi atık sularının kimyasal koagülasyon yöntemiyle arıtılabilirliğinin incelenmesi ve optimum işletim koşullarının belirlenmesi, Postgraduate, B.ALİPLİK(Student), 2010

ÖZKAN G., Yapay sinir ağı temelli model esaslı kontrol algoritmasının bir polimer reaktörüne uygulanması, Postgraduate, E.ETİKE(Student), 2009

ÖZKAN G., Kesikli bir biyoreaktörde yapay sinir ağlarının kullanımı, Postgraduate, T.METE(Student), 2008

ÖZKAN G., Polimer reaktörüne jenerik model kontrolün uygulanması, Postgraduate, Ö.TEKİN(Student), 2005

ÖZKAN G., Sürekli karıştırmalı polimerizasyon reaktörüne çok girdili/çok çıktılı modele dayalı kontrol algoritmasının uygulanması, Postgraduate, İ.ÇALIŞKAN(Student), 2005

ÖZKAN G., Doğrusal olmayan dinamik matris kontrolün bir nötralizasyon prosesine uygulanması, Postgraduate, A.ÜLSER(Student), 2004

ÖZKAN G., Ön çekime uğramış tekstil iplik üretim projesi işletme koşullarının ürün kalitesine etkisi, Postgraduate, G.ÜRKMEZ(Student), 2001

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Ankara Üniversitesi, October, 2022

Associate Professor Exam, Associate Professor Exam, Ankara Üniversitesi, March, 2022

Post Graduate, Post Graduate, Ankara Üniversitesi, January, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Green synthesis of TiO₂ nanoparticles using Aloe Vera extract as catalyst support material and studies of their catalytic activity in dehydrogenation of Ethylenediamine Bisborane**
Dülger B., ÖZKAN G., ANGI O. S., ÖZKAN G.
International Journal of Hydrogen Energy, vol.75, pp.466-474, 2024 (SCI-Expanded)
- II. **Innovation in the synthesis of hydrazine borane by mechanochemical method and hydrolysis of hydrazine borane with Pd/TiO₂ catalyst**
Bayram Ö., Begüm Murathan H., Serkan Angı O., ÖZKAN G., ÖZKAN G.
Materials Chemistry and Physics, vol.319, 2024 (SCI-Expanded)
- III. **Catalytic dehydrogenation of ethylene diamine bisborane in ethylene diamine media**
MURATHAN H. B., ÖZKAN G., ÖZKAN G.
International Journal of Hydrogen Energy, vol.51, pp.388-397, 2024 (SCI-Expanded)
- IV. **Hydrogen generation from the hydrolysis of ethylenediamine bisborane using Ni/NixBy-Zr and Pd-Ni/NixBy-Zr as highly active catalysts**
MURATHAN H. B., ÖZKAN G., ÖZKAN G.
Environmental Progress and Sustainable Energy, vol.42, no.4, 2023 (SCI-Expanded)
- V. **Non-linear kinetic analysis of catalytic hydrolysis of ethylenediamine bisborane with nano-structured Pd/TiO₂ catalyst**
ANGI O. S., MURATHAN H. B., ÖZKAN G., ÖZKAN G.
International Journal of Hydrogen Energy, vol.47, no.95, pp.40430-40444, 2022 (SCI-Expanded)
- VI. **Synthesis of nickel boride and investigation of availability as an additive in the molten carbonate fuel cell anode material**
Basarir E., Özkan G., Özkan G.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.8, pp.10088-10098, 2022 (SCI-Expanded)
- VII. **Ni-B and Zr-Ni-B in-situ catalytic performance for hydrogen generation from sodium borohydride, ammonia borane and their mixtures**
Lim D., Özkan G., Özkan G.

International Journal of Hydrogen Energy, vol.47, pp.3396-3408, 2022 (SCI-Expanded)

- VIII. **The accuracy of the prediction models for surface roughness and micro hardness of denture teeth**
DENİZ Ş. T., ÖZKAN P., ÖZKAN G.
DENTAL MATERIALS JOURNAL, vol.38, no.6, pp.1012-1018, 2019 (SCI-Expanded)
- IX. **Effect of molar ratio of water/ethanol on hydrogen selectivity in catalytic production of hydrogen using steam reforming of ethanol**
ÖZKAN G., Sahbudak B., ÖZKAN G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.20, pp.9823-9829, 2019 (SCI-Expanded)
- X. **The effects of operating conditions on hydrogen production from sodium borohydride using Box-Wilson optimization technique**
ÖZKAN G., AKKUŞ M. S., ÖZKAN G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.20, pp.9811-9816, 2019 (SCI-Expanded)
- XI. **New insights on the mechanism of vapour phase hydrolysis of sodium borohydride in a fed-batch reactor**
Akkus M. S., MURATHAN H. B., ÖZGÜR D., ÖZKAN G., ÖZKAN G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10734-10740, 2018 (SCI-Expanded)
- XII. **The Hydrolysis of ammonia borane by using Amberlyst-15 supported catalysts for hydrogen generation**
ÖZGÜR D., Simsek T., ÖZKAN G., Akkus M. S., ÖZKAN G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10765-10772, 2018 (SCI-Expanded)
- XIII. **Hydrogen production from the methanolysis of ammonia borane by Pd-Co/Al₂O₃ coated monolithic catalyst**
MURATHAN H. B., ÖZKAN G., Akkus M. S., ÖZGÜR D., ÖZKAN G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10728-10733, 2018 (SCI-Expanded)
- XIV. **Application of Response Surface Optimization Technique to the Preparation of Cathode Electrode for the Molten Carbonate Fuel Cell**
Özkan G., Gemici S., Erkay C., Basarir E., Özkan G.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.39, no.3, pp.361-365, 2017 (SCI-Expanded)
- XV. **Determination of optimal synthesis conditions of porous styrene divinyl benzene copolymer beads in the presence of the ammonia borane**
ÖZKAN G., ÖZKAN G., Ince E., Bildi O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.1, pp.1-7, 2017 (SCI-Expanded)
- XVI. **Synthesis and characterization of solid electrolyte structure material (LiAlO₂) using different kinds of lithium and aluminum compounds for molten carbonate fuel cells**
ÖZKAN G., Ergencoglu V. I., ÖZKAN G.
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.23, no.3, pp.227-231, 2016 (SCI-Expanded)
- XVII. **The effect of water/ethanol mol ratio to H₂ yield and selectivity for hydrogen production from reforming of ethanol with the Pd-NiO, Ni-Cu-Pd/activated carbon catalysts Etanolden Pd-NiO, Ni-Cu-Pd/Aktif karbon katalizörleri ile H₂ üretiminde su/ethanol mol oraninin hidrojen verimi ve seçimliliğine etkisi**
Şahbudak B., ÖZKAN G., ÖZKAN G.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.31, no.2, pp.417-424, 2016 (SCI-Expanded)
- XVIII. **THE EFFECT OF WATER/ETHANOL MOL RATIO TO H₂ YIELD AND SELECTIVITY FOR HYDROGEN PRODUCTION FROM REFORMING OF ETHANOL WITH THE Pd-NiO, Ni-Cu-Pd/ACTIVATED CARBON CATALYSTS**
Sahbudak B., ÖZKAN G., ÖZKAN G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.2, pp.417-424, 2016 (SCI-Expanded)
- XIX. **Synthesis and Characterization of Molten Carbonate Fuel Cell Anode Materials**

Ozkan G., Ozkan G., Iyidir U. C.

Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.37, no.22, pp.2487-2495, 2015 (SCI-Expanded)

- XX. **Control of dissolved oxygen concentration using neural network in a batch bioreactor**
Mete T., ÖZKAN G., HAPOĞLU H., Alpbaz M.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.20, no.4, pp.619-628, 2012 (SCI-Expanded)
- XXI. **Active carbon-supported Ni, Ni/Cu and Ni/Cu/Pd catalysed steam reforming of ethanol for the production of hydrogen**
ÖZKAN G., Gök S., ÖZKAN G.
CHEMICAL ENGINEERING JOURNAL, vol.171, no.3, pp.1270-1275, 2011 (SCI-Expanded)
- XXII. **The prediction of SO₂ removal using statistical methods and artificial neural network**
Ozkan G., Ucan L., Ozkan G.
Neural Computing and Applications, vol.19, no.1, pp.67-75, 2010 (SCI-Expanded)
- XXIII. **Application of experimental non-linear control based on generic algorithm to a polymerization reactor**
ÖZKAN G., Tekin O., HAPOĞLU H.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.26, no.5, pp.1201-1207, 2009 (SCI-Expanded)
- XXIV. **Experimental application of linear/nonlinear dynamic matrix control to a reactor of limestone slurry titrated with sulfuric acid**
Ozkan G., User A., Hapoglu H., Alpbaz M.
CHEMICAL ENGINEERING JOURNAL, vol.137, no.2, pp.320-327, 2008 (SCI-Expanded)
- XXV. **Non-linear generalised predictive control of a jacketed well mixed tank as applied to a batch process - A polymerisation reaction**
Ozkan G., Hapoglu H., Alpbaz M.
APPLIED THERMAL ENGINEERING, vol.26, no.7, pp.720-726, 2006 (SCI-Expanded)
- XXVI. **Application of self-tuning PID control to a reactor of limestone slurry titrated with sulfuric acid**
Alpbaz M., Hapoglu H., Ozkan G., Altuntas S.
CHEMICAL ENGINEERING JOURNAL, vol.116, no.1, pp.19-24, 2006 (SCI-Expanded)
- XXVII. **Experimental application of generalized predictive control of the temperature in a polystyrene polymerization reactor**
Alpbaz M., Hapoglu H., Ozkan G.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.191, no.9, pp.1173-1184, 2004 (SCI-Expanded)
- XXVIII. **The effects of operating conditions on the product quality of partially oriented yarn**
Ozkan G., Urkmez G.
Polymer - Plastics Technology and Engineering, vol.43, no.1, pp.211-227, 2004 (SCI-Expanded)
- XXIX. **Application of box-wilson optimization technique to the partially oriented yarn properties**
Ozkan G., Urkmez G., Ozkan G.
Polymer - Plastics Technology and Engineering, vol.42, no.3, pp.459-470, 2003 (SCI-Expanded)
- XXX. **Determination of regression equation for boiling shrinkage using the two level factorial experimental design İki seviyeli deneysel tasarım matrisi kullanılarak kaynama-çekme için regrasyon eşitliğinin türetilmesi**
ÖZKAN G., Ürkmez G.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.17, no.4, pp.15-22, 2002 (SCI-Expanded)
- XXXI. **Nonlinear control of polymerization reactor**
Ozkan G., Ozen S., Erdogan S., Hapoglu H., Alpbaz M.
COMPUTERS & CHEMICAL ENGINEERING, vol.25, no.4-6, pp.757-763, 2001 (SCI-Expanded)
- XXXII. **Optimal temperature control in a batch polymerization reactor using nonlinear generalized predictive control**
Hapoglu H., Ozkan G., Alpbaz M.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.183, pp.155-185, 2000 (SCI-Expanded)

- XXXIII. **Generalized predictive control of optimal temperature profiles in a polystyrene polymerization reactor**
Ozkan G., Hapoglu H., Alpbaz M.
CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION, vol.37, no.2, pp.125-139, 1998 (SCI-Expanded)
- XXXIV. **Identification and non linear pole placement self tuning PID control of a jacketed well mixed reactor**
Ozkan G., Hapoglu H., Alpbaz M.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.170, pp.199-215, 1998 (SCI-Expanded)
- XXXV. **Self-tuning control of batch polymerization reactor**
Erdogan S., Ozkan G., Alpbaz M.
Journal of Chemical Engineering of Japan, vol.31, no.4, pp.499-505, 1998 (SCI-Expanded)
- XXXVI. **Modelling, optimization and control of batch polymerization reactor of styrene**
Karagoz A., Ozkan G., Erdogan S., Alpbaz M.
CONTROL AND COMPUTERS, vol.25, no.1, pp.21-26, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **Examination of a Hazardous Waste Disposal Plant in the Context of Occupational Health and Safety**
Ercan M., Özkan G., Çalışkan T. D., Özkan G.
WSEAS TRANSACTIONS ON COMPUTERS, vol.21, pp.200-210, 2022 (Peer-Reviewed Journal)
- II. **The prediction of chemical oxygen demand (COD) or suspended solid (SS) removal using statistical methods and the artificial neural network in the sugar industrial wastewaters**
ÖZKAN G., Akin B. a., ÖZKAN G.
ARPN Journal of Engineering and Applied Sciences, vol.8, no.12, pp.978-983, 2013 (Scopus)
- III. **Nonlinear model based control of optimal temperature profiles in polystyrene polymerization reactor**
ÖZKAN G., Özen S., Erdogan S., HAPOĞLU H., Alpbaz M.
Computer Aided Chemical Engineering, vol.8, no.C, pp.187-192, 2000 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Green synthesis of TiO₂ /CeO₂ nanoparticles using Aloe Vera extract as catalyst support material and studies of their catalytic activity in dehydrogenation of ethylenediamine bisborane**
Gezgen S., Murathan H. B., Özkan G., Özkan G.
The Seventh International Hydrogen Technologies Congress (IHTEC-2023), Malatya, Turkey, 10 - 12 May 2023, pp.206-209
- II. **Green synthesis of TiO₂ /CeO₂ nanoparticles using Aloe Vera extract as catalyst support material and studies of their catalytic activity in dehydrogenation of ethylenediamine bisborane**
Özkan G., Özkan G., Angı O. S., Dülger B.
The Seventh International Hydrogen Technologies Congress (IHTEC-2023), Malatya, Turkey, 10 - 12 May 2023, pp.165-168
- III. **Ni-B and Zr-Ni-B In-situ Catalytic Performance for Hydrogen Generation from Sodium Borohydride, Ammonia Borane and Their Mixtures**
Lim D., Özkan G., Özkan G.
12th INTERNATIONAL EXERGY, ENERGY AND ENVIRONMENTS SYMPOSIUM (IEEES-12), Ad-Dawahh, Qatar, 20 - 24 December 2020, pp.133
- IV. **Investigation of Ni₂B as an additive in the molten carbonate fuel cell anode materials**
Erdi B., Özkan G., Özkan G.
12th International Exergy, Energy and Environment Symposium (IEEES-12, Ad-Dawahh, Qatar, 20 - 24 December

2020, pp.134

- V. **Rh-Based Ternary Catalyst for the Catalytic Dehydrogenation of Hydrazine Borane as an Chemical Hydrogen Storage Material**
GÜRLÜK M. R., ÖZKAN G., ÖZKAN G.
6th International Conference on New Trends in Chemistry, İstanbul, Turkey, 17 - 18 November 2020, vol.1, pp.65
- VI. **Hydrogen Generation from Sodium Borohydride, Ammonia Borane and Their Mixtures Using Ni-B-Zr In-Situ Catalyst**
Lim D., ÖZKAN G., ÖZKAN G.
(IHTEC-2019), (24-26 June 2019) Trakya University, Edir, 20 - 23 June 2019
- VII. **Investigation of Parametric Synthesis Conditions of n-Butylamine Borane as Hydrogen Storage Material**
Murathan H. B., ÖZKAN G., ÖZKAN G.
4 th International Hydrogen Technologies Congress, 20 - 23 June 2019
- VIII. **Hydrazine Borane Synthesis for Hydrogen Storage Applications**
gürlük m. r., ÖZKAN G., ÖZKAN G.
4th International Hydrogen Technologies Congr, 20 - 23 June 2019
- IX. **Investigation of the Effect of the Initial Reactant Molar Ratio on the Synthesis of Sodium Amidoborane and Its Hydrogen Capacity**
ÖZKAN G., AKKUŞ M. S., ÖZKAN G.
4 th International Hydrogen Technologies Cong, 20 - 23 June 2019
- X. **Investigation of Parametric Synthesis Conditions of n-Butylamine Borane as Hydrogen Storage Material**
MURATHAN H. B., ÖZKAN G., ÖZKAN G.
4th International Hydrogen Technologies Congress, Edirne, Turkey, 20 - 23 June 2019
- XI. **Investigation of the Synthesis Conditions of the Hydrogen Storage Material: n-Butylamine Borane**
MURATHAN H. B., ÖZKAN G., ÖZKAN G.
Uluslararası Bor Sempozyumu, Nevşehir, Turkey, 17 - 19 April 2019
- XII. **KARBON DİOKSİTİN ETİL ASETAT VE n-BÜTANOL İÇERİSİNDEKİ DİFÜZYON KATSAYILARININ DENEYSEL BELİRLENMESİ**
Genç Çelikci G., Uysal Zıraman D., Uysal B. Z., DOĞAN Ö. M., ÖZKAN G.
UKMK2018, Turkey, 3 - 06 September 2018
- XIII. **The Effects Of Operating Conditions On The Hydrogen Production From Sodium Borohydride Using Box-Wilson Optimization Technique,**
ÖZKAN G., AKKUŞ M. S., ÖZKAN G.
9Th International Conference On Hydrogen Production (ICH2P), 16 - 19 July 2018
- XIV. **Effect of Molar Ratio of Water / Ethanol on Hydrogen Selectivity in Catalytic Production of Hydrogen Using Steam Reforming of Ethanol,**
ÖZKAN G., ÖZKAN G., Şahbudak b.
9Th International Conference On Hydrogen Production (ICH2P) Za, 16 - 19 July 2018
- XV. **Investigation of Catalyst For The Synthesis Of Hydrazine Borane As Hydrogen Storage Material**
Gürlek M., ÖZKAN G., ÖZKAN G.
16th International Conference On Clean Energy (Icce-2018), 15 - 19 May 2018
- XVI. **Power Law Kinetic Model For Synthesis of Sodium Amidoborane**
AKKUŞ M. S., ÖZKAN G., ÖZKAN G.
16th International Conference On Clean Energy (Icce-2018), 9 - 11 May 2018
- XVII. **Anode Electrolyte Development And System Integration For Molten Carbonate Fuel Cell**
ÖZKAN G., Gemici S., ÖZKAN G.
16th International Conference On Clean Energy (Icce-2018), 9 - 11 May 2018
- XVIII. **High Yield Hydrogen Production from Sodium Borohydride by Non-Catalytic Steam Reforming:A Parametric Study**
Akkuş M. S., Murathan H. B., ÖZGÜR D., ÖZKAN G., ÖZKAN G.

2nd International Hydrogen Technologies Congress, 15 - 18 March 2017

XIX. Hydrogen Generation From the Dehydrogenation of ammonia Borane by Using Amberlyst-15 Supported Catalyst

ÖZGÜR D., ŞİMŞEK T., ÖZKAN G., AKKUŞ S., ÖZKAN G.

2nd International hydrogen technologies congress, 15 - 18 March 2017

XX. Hydrogen Production from the Methanolysis of Ammonia Borane by Pd-Co/Al₂O₃ Coated Monolithic Catalyst

MURATHAN H. B., ÖZKAN G., AKKUŞ M. S., ÖZGÜR D., ÖZKAN G.

2nd International Hydrogen Technologies Congress, 15 - 18 March 2017

XXI. Determination of Optimum Production Conditions of Casting Slurry in the Manufacture of Molten Carbonate Fuel Cell Electrodes with the Tape Casting Technique

ÖZKAN G., GEMİCİ S., BASARIR E., ÖZKAN G.

19th International Conference on Process Integration, Modeling and Optimization for Energy Savings and Pollution Reduction (PRES), Prague, Czech Republic, 27 - 31 August 2016, vol.52, pp.871-876

XXII. The effect of operating conditions and supports on Ni-Cu-Cs three metallic catalyst for steam reforming of ethanol to the production of hydrogen

ÖZKAN G., ŞAHBUDAK B., ÖZKAN G.

22nd International Congress of Chemical and Process Engineering, CHISA 2016 and 19th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, PRES 2016, Prague, Czech Republic, 27 - 31 August 2016, vol.2, pp.1140-1141

XXIII. Energy storage key component ammonia borane: Catalytic hydrolysis, and kinetic parameters

ÖZKAN G., ŞİMŞEK T., ÖZGÜR D., MURATHAN H. B., AKKUŞ M. S., ÖZKAN G.

22nd International Congress of Chemical and Process Engineering, CHISA 2016 and 19th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, PRES 2016, Prague, Czech Republic, 27 - 31 August 2016, vol.2, pp.1138-1139

XXIV. Definition of Bioreaction Rate with Artificial Neural Network

METE T., BOYACIOĞLU H., ERTUNÇ S., AKAY B., ÖZKAN G., HAPOĞLU H., ALPBAZ M.

Somer Symposium Series, Past Present Future Chemical Engineering, SOMER-B-11, Ankara, Turkey, 14 - 15 May 2007, pp.136

XXV. Nonlinear self-tuning control of a batch polymerization reactor

ÖZKAN G., KARAGOZ A., ALPBAZ M., HAPOĞLU H.

Symposium on 1997 Jubilee Research Event, Nottingham, England, 8 - 09 April 1997, pp.777-780

XXVI. Optimization and model based control of batch polymerization reactor of styrene

ÖZDEMİR M., KARAGOZ A., ÖZKAN G., ALPBAZ M., SAKAC M., ABİLOV A., ERDOĞAN S.

1996 IChemE Research Event - 2nd European Conference for Young Researchers in Chemical Engineering, Leeds, United Kingdom, 2 - 03 April 1996, pp.376-378

Supported Projects

Özkan G., Lim D., Project Supported by Higher Education Institutions, Sodyum borhidrür ve amonyak boran karışımlarından Ni-B ve Ni-B-Zr katalizör ile hidrojen üretimi, 2019 - 2020

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Congress and Symposium Activities

WHEC2022, Attendee, İstanbul, Turkey, 2022