

Prof. GÖKSEL ÖZKAN



Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 1991 - 1997

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 1986 - 1989

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1981 - 1985

Dissertations

Doctorate, Otomobil egzoz emisyonlarının giderilmesinde kullanılan monolitik katalizörlerde eksenel dağılım, adsorbsiyon ve reaksiyon çalışmaları, Gazi University, Fen Bilimleri Enstitüsü, 1997

Postgraduate, Pilot ölçekli dolaşımli bir akışkan yatak yakma sisteminin tasarımı ve yanma çalışmaları, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 1989

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2013 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2008 - 2013

Assistant Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2000 - 2008

Research Assistant, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 1986 - 2000

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2022 - Continues

Fakülte Kurulu Üyesi, Gazi University, Mühendislik Fakültesi, 2020 - Continues

Head of Department, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Director of the Center, Gazi University, Rektörlük, 2020 - 2023

Head of Department, Gazi University, Fen Bilimleri Enstitüsü, Kazaların Çevresel Ve Teknik Araştırması Anabilim Dalı (Disiplinlerarası), 2014 - 2018

Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2009 - 2013

Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2003 - 2005

Courses

Transport Phenemena, Postgraduate, 2022 - 2023
Lisan Araştırma Projesi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Lisans Araştırma Projesi, Undergraduate, 2022 - 2023
Bitirme Ödevi, Undergraduate, 2022 - 2023
Taşınım Olayları, Postgraduate, 2021 - 2022, 2019 - 2020
Matematiksel Modelleme, Undergraduate, 2021 - 2022
Transport Phenemena, Postgraduate, 2021 - 2022, 2020 - 2021
Sayısal Analiz Yöntemler, Undergraduate, 2021 - 2022
Kimya Mühendisliği Matematiği, Postgraduate, 2016 - 2017, 2015 - 2016
Fuel Cells, Undergraduate, 2016 - 2017
Matematiksel Modelleme, Undergraduate, 2016 - 2017
Sayısal Analiz Yöntemler, Undergraduate, 2016 - 2017
Kütle Aktarımı II, Undergraduate, 2016 - 2017

Advising Theses

Özkan G., THE SYNTHESIS OF HYDRAZINE BORANE AND DERIVATIVES AND ITS UTILIZATION IN THE CATALYTIC HYDROGEN PRODUCTION, Doctorate, M.RABİA(Student), 2021
Özkan G., Alkil amin boran üretimi ve dehidrojenasyon karakteristiği, Doctorate, H.BEGÜM(Student), 2021
Özkan G., Synthesis And Non-Catalytic Dehydrogenation Of Ammonia Borane, Postgraduate, R.KIZILTAŞ(Student), 2019
ÖZKAN G., Examination Of A Hazardous Waste Disposal Plant In The Context Of Occupational Health And Safety, Postgraduate, M.ERCAN(Student), 2019
ÖZKAN G., Hydrogen Production Conditions From Sodium Borohydride And Sodium Amidoborane, Doctorate, M.SENA(Student), 2017
ÖZKAN G., Hydrogen Production From Ammonia Boran By Catalytic Methanolysis And Kinetics, Postgraduate, H.BEGÜM(Student), 2016
ÖZKAN G., Synthesis Of Sodium Amidoborane By Wet Chemical Method And Its Thermal Dehydrogenation, Postgraduate, M.BALCI(Student), 2016
ÖZKAN G., Synthesis and characterization of borane-containing styrene divinylbenzene supported resin, Postgraduate, Ö.BİLDİ(Student), 2015
ÖZKAN G., Development Of Metal-Organic Framework Structured Hybrid Composite Materials And Hydrogen Storage Characteristics, Doctorate, Z.ÖZTÜRK(Student), 2015
ÖZKAN G., Synthesis and dehydrogenation of ammonia borane and determination of kinetic parameters, Doctorate, D.ÖZGÜR(Student), 2014
ÖZKAN G., Synthesis and chracterization of porous styren divinyl benzene (SDVB) copolymers with suspension polymerization, Postgraduate, E.İNCE(Student), 2014
ÖZKAN G., Development of styrene divinyne benzene and alumina supported catalyst for hydrogen production from ammonia borane in liquid phase, Postgraduate, T.ŞİMŞEK(Student), 2013
ÖZKAN G., CATALYTIC PRODUCTION OF HYDROGEN USING STEAM REFORMING OF ETHANOL, Postgraduate, B.ŞAHBUDAK(Student), 2009
ÖZKAN G., Erimiş karbonatlı yakıt hücrelerinde kullanılan katı elektrolitik yapı maddesinin sentezi ve karakterizasyonu çalışmaları, Postgraduate, V.ERGENÇOĞLU(Student), 2008
Özkan G., SYNTHESIS AND CHARACTERIZATION OF MOLTEN CARBONATE FUEL CELL SOLID ELECTROLYTE MATERIALS, Postgraduate, V.ERGENÇOĞLU(Student), 2008
ÖZKAN G., Erimiş karbonat yakıt hücresi anot malzemesi sentezi ve karakterizasyon çalışmaları, Postgraduate, U.CAN(Student), 2007
ÖZKAN G., Aktif karbon destekli Ni, Ni-Cu, Ni-Cu-Pd katalizörleri ile etanolden hidrojen eldesi, Postgraduate, S.GÖK(Student), 2005

ÖZKAN G., Yakıt hücreleri ve pillerde kullanılan NiO ve LiCoO₂ katot malzemelerinin sentezi, karakterizasyonu ve adsorpsiyon çalışmaları, Postgraduate, E.ÖZÇELİK(Student), 2004
ÖZKAN G., ZSM-5 destekli monolitik katalizörlerde azot oksitlerin indirgenmesi ve adsorpsiyonu, Postgraduate, K.KAYA(Student), 2003

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, December, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gazi Üniversitesi, June, 2022
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, June, 2022
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, April, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Gazi Üniversitesi, April, 2022
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gazi Üniversitesi, March, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of Boron-Containing Electrolyte Additive for Lithium-Ion Batteries**
Sarıgöl Z., ÖZKAN G., ÖZKAN G.
Journal of Electrochemical Energy Conversion and Storage, vol.21, no.3, 2024 (SCI-Expanded)
- II. **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)
- III. **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, 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**
Angı 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, no.5, pp.3396-3408, 2022 (SCI-Expanded)
- VIII. **Facile Ion-Exchange Method for Zn Intercalated MoS₂ As an Efficient and Stable Catalyst toward Hydrogen Evaluation Reaction**
Özgür D., ÖZKAN G., Atakol O., ÇELİKKAN H.
ACS APPLIED ENERGY MATERIALS, vol.4, no.3, pp.2398-2407, 2021 (SCI-Expanded)

- IX. **The Hydrolysis of Tert-Butylamine Borane By Using Ni-Zr-B-O Catalyst For Hydrogen Production**
MURATHAN H. B., ÖZKAN G.
Journal Of The Indian Chemical Society, vol.97, pp.1-170, 2020 (SCI-Expanded)
- X. **Rh-based Ternary Catalyst for the Catalytic Dehydrogenation of Hydrazine Borane as a Chemical Hydrogen Storage Material**
Gürlük M. R., ÖZKAN G., ÖZKAN G.
Journal Of The Indian Chemical Society, vol.97, pp.1-170, 2020 (SCI-Expanded)
- XI. **The effects of operating conditions on hydrogen production from sodium borohydride using Box-Wilson optimization technique**
ÖZKAN G., Akkus M. S., ÖZKAN G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.20, pp.9811-9816, 2019 (SCI-Expanded)
- XII. **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)
- 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. **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)
- XV. **The Hydroloysis 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)
- XVI. **Power-Law Kinetic Models for Synthesis of Ammonia Borane**
ÖZGÜR D., ÖZKAN G.
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, vol.49, no.12, pp.875-883, 2017 (SCI-Expanded)
- XVII. **Application of Response Surface Optimization Technique to the Preparation of Cathode Electrode for the Molten Carbonate Fuel Cell**
ÖZKAN G., Gemici S., Erkey C., Basarir E., ÖZKAN G.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.39, no.3, pp.361-365, 2017 (SCI-Expanded)
- XVIII. **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)
- XIX. **Novel 2D micro-porous Metal-Organic Framework for hydrogen storage**
Ozturk Z., KÖSE D. A., ŞAHİN Z. S., ÖZKAN G., ASAN A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.28, pp.12167-12174, 2016 (SCI-Expanded)
- XX. **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)
- XXI. **Experimental and simulation study on structural characterization and hydrogen storage of metal organic structured compounds**
Ozturk Z., ÖZKAN G., KÖSE D. A., ASAN A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.19, pp.8256-8263, 2016 (SCI-Expanded)
- XXII. **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 oranının 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)

- XXIII. **THE EFFECT OF WATER/ETHANOL MOL RATIO TO H-2 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)

- XXIV. **Combined experimental and theoretical investigation of characterization and hydrogen storage properties of Zn(II) based complex and composites**

Ozturk Z., ÖZKAN G., ASAN A., KÖSE D. A.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.17, pp.5907-5915, 2015 (SCI-Expanded)

- XXV. **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)

- XXVI. **Hydrogen storage properties of mono- and bidentate MOF structured orotate complexes**

Ozturk Z., Kose D. A., Asan A., Ozturk B., Andac O., Ozkan G.

JOURNAL OF MATERIALS RESEARCH, vol.29, no.2, pp.215-220, 2014 (SCI-Expanded)

- XXVII. **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)

- XXVIII. **The prediction of SO₂ removal using statistical methods and artificial neural network**

Ozkan G., Ucan L., Ozkan G.

NEURAL COMPUTING & APPLICATIONS, vol.19, no.1, pp.67-75, 2010 (SCI-Expanded)

- XXIX. **Synthesis and characterization of licoo 2 used as cathode material in secondary lithium batteries**

İkincil lityum pillerinde katot aktif maddesi olarak kullanılan licoo 2'in sentezi ve karakterizasyonu
Özçelik E., ÖZKAN G.

Journal of the Faculty of Engineering and Architecture of Gazi University, vol.21, no.3, pp.423-425, 2006 (SCI-Expanded)

- XXX. **Effect of temperature and gas flow rate on SO₂ sorption in a reactor with periodic liquid flow and active carbon**

Guru M., Ozkan G., Murathan A., Öksüz İ.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.14, no.5, pp.400-405, 2005 (SCI-Expanded)

- XXXI. **Removal of sulphur dioxide in a periodically operating trickle-bed reactor with activated carbon bed**

Ucan H., Ozkan G., Bicer A., Pamuk V.

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.83, pp.47-49, 2005 (SCI-Expanded)

- XXXII. **CO₂ adsorption on porous NiO as a cathode material for molten carbonate fuel cells**

Ozkan G., Ozcelik E.

JOURNAL OF POWER SOURCES, vol.140, no.1, pp.28-33, 2005 (SCI-Expanded)

- XXXIII. **Adsorption and wet oxidation of methanol on Pt/pumice catalyst**

Ozkan G.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.13, pp.1518-1520, 2004 (SCI-Expanded)

- XXXIV. **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)

- XXXV. **Combustion of a high ash and sulfur containing lignite in a pilot circulating fluidized bed combustor and its pollution characteristics**
Ozkan G., Dogu G.
CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION, vol.41, no.1, pp.11-15, 2002 (SCI-Expanded)
- XXXVI. **A moment technique for adsorption rate on metal surfaces of supported catalysts CO adsorption on Pt-Al₂O₃ washcoated monolith**
Dogu G., Ozkan G., Dogu T.
CHEMICAL ENGINEERING JOURNAL, vol.84, no.3, pp.429-435, 2001 (SCI-Expanded)
- XXXVII. **A dynamic study on axial dispersion and adsorption in catalytic monoliths**
Ozkan G., Dogu G.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.36, no.11, pp.4734-4739, 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. **Investigation of synthesis of sodium aminodiborane in one step and its reaction kinetics**
AKKUŞ M. S., ÖZKAN G.
Molekul, vol.15, no.3, pp.219-277, 2020 (Scopus)
- III. **Combined Experimental And Molecular Simulation Study On The Hydrogen Storage Properties Of Cu II And Ni II Metal Organic Compounds**
ÖZTÜRK Z., ÖZKAN G., KÖSE D. A., ASAN A.
Hacettepe Journal of Biology and Chemistry, vol.43, no.1, pp.1-8, 2015 (Peer-Reviewed Journal)
- IV. **Porous metal organic Cu II complex of L Arginine synthesis characterization hydrogen storage properties and molecular simulation calculations**
ASAN A., ÖZKAN G., ÖZTÜRK Z., KÖSE D. A.
Hittite Journal of Science and Engineering, vol.1, no.1, pp.1-4, 2014 (Peer-Reviewed Journal)
- V. **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)
- VI. **Atık sulardan civanın dolgu yataklarda giderilmesi,**
Murathan A. M., Gürü M., Özkan G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.15, no.1, pp.113-119, 2002 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Hydrogen production from hydrolysis of ethylenediamine bisborane over mono-bimetallic Pd-Co catalysts and CeO₂/ZrO₂ as supports**
GEZGEN S., MURATHAN H. B., ÖZKAN G., ÖZKAN G.
7th International Hydrogen Technologies Congress, Elazığ, Turkey, 10 May 2023
- II. **Catalytic Hydrolysis of Ethylenediamine Bisborane with Pd/Ni Foam Catalyst**
ŞAHİN E., KALKAN K., DURMAZ Ö., ANGI O. S., MURATHAN H. B., ÖZKAN G.
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 October 2022
- III. **Efficient Hydrolytic Dehydrogenation Of Ethylene Diamine Bisborane Over Pd-Ni-Zr-B Catalyst in the Ethylene Diamine Media**
MURATHAN H. B., ÖZKAN G., ÖZKAN G.

23rd World Hydrogen Energy Conference, İstanbul, Turkey, 26 June 2022

- IV. **Catalytic Hydrolysis of Hydrazine Borane Using Nano Structured Titania Supported Pd Catalyst**
BAYRAM Ö., ANGI O. S., MURATHAN H. B., ÖZKAN G., ÖZKAN G.
3rd International Hydrogen Energy Conference and Exhibitions, Turkey, 14 June 2021
- V. **Catalytic Hydrolysis of Ethylenediamine Bis Borane with Nano-structured Pd/TiO₂ Catalyst**
ANGI O. S., MURATHAN H. B., ÖZKAN G., ÖZKAN G.
3rd International Hydrogen Energy Conference and Exhibitions, Turkey, 14 June 2021
- VI. **Material Anode Cell Fuel Carbonate Molten a as Additive Ni₂B of I**
Başarır E., ÖZKAN G., ÖZKAN G.
12th International Exergy, Energy and Environment Symposium (IEEEES-12), Doha, Qatar, 20 - 24 December 2020
- VII. **Sodium from Generation Hydrogen for performance Catalytic Situ-In B-Ni-Zr and B-N Mixtures Their and Borane Ammonia, B**
lim d., ÖZKAN G., ÖZKAN G.
12th International Exergy, Energy and Environment Symposium (IEEEES-12), Doha, 20 - 24 December 2020
- VIII. **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
- IX. **The Hydrolysis of Tert-Butylamine Borane By Using Ni-Zr-B Catalyst for Hydrogen Production**
Murathan H. B., Özkan G.
6th International Conference on New Trends in Chemistry, İstanbul, Turkey, 17 October 2020
- X. **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
- XI. **Investigation of Parametric Synthesis Conditions of n-Butylamine Borane as Hydrogen Storage Materia**
Murathan H. B., ÖZKAN G., ÖZKAN G.
4 th International Hydrogen Technologies Congress, 20 - 23 June 2019
- XII. **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
- XIII. **Hydrazine Borane Synthesis for Hydrogen Storage Applications**
gürlük m. r., ÖZKAN G., ÖZKAN G.
4th International Hydrogen Technologies Congr, 20 - 23 June 2019
- XIV. **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
- XV. **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
- XVI. **Yüksek Hidrojen Depolama Kapasitesine Sahip Amonyak Boranın Sentezi ve Karakterizasyonu**
KIZILTAŞ R., ÖZKAN G., ÖZGÜR D., SÜRDEM S.
International Symposium on Boron, Nevşehir, Turkey, 17 - 19 April 2019
- XVII. **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
- XVIII. **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

- XIX. **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
- XX. **Anode Electrolyte Developement 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
- XXI. **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
- XXII. **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
- XXIII. **Hydrogen Generation From the Dehydrogenation of ammonia Borane by Using Amberlyst-15 Supported Catalyst**
ÖZGÜR D., Şimşek T., ÖZKAN G., Akkuş M. S., ÖZKAN G.
2nd International Hydrogen Technologies Congress, 15 - 18 March 2017
- XXIV. **High Yield Hydrogen Production From Sodium Borohydride By NonCatalytic Steam Reforming: A Parametric Study**
AKKUŞ M. S., MURATHAN H. B., ÖZGÜR D., ÖZKAN G., ÖZKAN G.
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- XXV. **Energy storage key component ammonia borane catalytic hydrolysis and kinetic parameters**
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