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International Researcher IDs

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Learning Knowledge

Doctorate 2007 - 2014	Ankara University, Mühendislik Ve Mimarlık Fakültesi, Kimya Mühendisliği, Turkey
Postgraduate 2005 - 2007	Van Yüzüncü Yıl University, Fen Edebiyat Fakültesi, Fen Bilimleri Enstitüsü, Kimya, Fizikokimya, Turkey
Undergraduate 1999 - 2003	Ataturk University, Mühendislik Mimarlık Fakültesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey

Certificates, Courses and Trainings

Education Management and Planning, 4. National Applied Electrochemistry Graduate Summer School, Celal Bayar Üniversitesi, 2016

Education Management and Planning, SPSS veri analizi, Yüzüncü Yıl Üniversitesi, 2015

Education Management and Planning, Applied Biochemistry current issues in summer school, Aksaray Üniversitesi, 2015

Education Management and Planning, Applied and HPLC Certified Training, kimyagerler derneği, 2015

Dissertations

Doctorate, AROMATİK KETONLARIN BİTKİ BİYOKATALİZÖRLÜĞÜNDE ENANTİYOSEÇİMLİ OLARAK BİYOİNDİRGENMESİ İLE (S)-1-FENİL ETANOL ÜRETİMİ , Ankara University, Mühendislik Mimarlık Fakültesi, Kimya Mühendisliği, 2014

Postgraduate, ULEKSİT CEVHERİNİN PERKLORİK ASİT ÇÖZELTİLERİNDEKİ ÇÖZÜNÜRLESTİRME KİNETİĞİ, KALSİNASYONU VE OPTİMİZASYONU, Van Yüzüncü Yıl University, Fen Fakültesi, Kimya/Fizikokimya, 2007

Academic Titles / Tasks

Associate Professor 2020 - Continues	Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği
Assistant Professor 2018 - Continues	Van Yüzüncü Yıl University, Mühendislik Ve Mimarlık Fakültesi, Kimya Mühendisliği

Assistant Professor

2015 - 2018

Van Yüzüncü Yıl University, Mühendislik Ve Mimarlık Fakültesi, Kimya
Mühendisliği

Research Assistant PhD

2014 - 2015

Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Research Assistant

2012 - 2014

Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Research Assistant

2007 - 2012

Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Supported Projects

1. Çelik Kazıcı H., Project Supported by Other Official Institutions, PVC kapı ve pencere profili imalatında iklim koşulları ve maliyet açısından en uygun üretim parametrelerinin belirlenmesi, 2020 - Continues
2. Öztürk D., Çelik Kazıcı H., ŞİRP Z., Akınay Y., Özgüven A., Project Supported by Higher Education Institutions, Tekstil Endüstrisi Atıksularından KOİ Gideriminin Heterojen Elektro Fenton Prosesi ile İncelenmesi ve Proses Koşullarının Optimizasyonu, 2021 - 2023
3. Akınay Y., Çelik Kazıcı H., Kızılçay A. O., TUBITAK Project, Sedef Pigment Katkılı Radar Soğurucu Yapısal Kompozitlerin Üretilmesi Ve Geliştirilmesi, 2020 - 2023
4. Zengin A., Çelik Kazıcı H., TANERİ B., Project Supported by Higher Education Institutions, Nitrit Tayini İçin Seçici ve Hassas Elektrokimyasal Sensör Tasarımı, 2021 - 2022
5. Çelik Kazıcı H., KILIÇLI Y., Project Supported by Higher Education Institutions, Yüzüncü Yıl Üniversitesi Bilimsel Araştırma Projeleri Koordinasyon Biriminin Teknik Altyapısının Modernizasyonu ve Kalite Yönetim Sisteminin Geliştirilmesi, 2020 - 2022
6. Çelik Kazıcı H., MUHTASIM MUSTAFA R., Project Supported by Higher Education Institutions, Hidrojen üretimi üzerine aktif karbon destekli PdRu katalizörlerinin mono ve bimetalik etkileri, 2020 - 2021
7. Çelik Kazıcı H., Project Supported by Higher Education Institutions, İki metalli katalizörlerin hidrojen üretim kapasite özellikleri, 2019 - 2020
8. Çelik Kazıcı H., YAYLA M., Project Supported by Higher Education Institutions, Modifiye Edilmiş Yüzey Baskılı Elektrotlar ile Gıda Katkı Maddelerinin Elektrokimyasal Davranışlarının İncelenmesi, 2018 - 2019
9. Çelik Kazıcı H., Project Supported by Higher Education Institutions, Metal sistemler ile H₂ üretimi için katalizör geliştirme çalışmaları, 2018 - 2019
10. Çelik Kazıcı H., SALMAN F., Project Supported by Higher Education Institutions, Multimetalli Nanokatalizörlerin Sentezi Karakterizasyonu ve Glikoz Sensör Etkisinin Elektrokimyasal İncelenmesi, 2018 - 2019
11. Çelik Kazıcı H., YILDIZ F., Project Supported by Higher Education Institutions, Amonyum Boran Türevlerinden Hidrojen Eldesi için Uygun Katalizörlerin Sentezi Karakterizasyonu ve Optimizasyonu, 2018 - 2019
12. Demir Kıvrak H., Aktaş N., Şahan T., Zengin A., Çelik Kazıcı H., Aldemir A., Alpaslan D., Erşen Duda T., Ulaş B., Uzun Y., et al., Project Supported by Higher Education Institutions, 13. Ulusal Kimya Mühendisliği Kongresi, 2018 - 2018
13. Çelik Kazıcı H., Project Supported by Higher Education Institutions, Kataliz uygulamaları için sodyum bor hidrür esaslı Ag-Co/MWCNT nanokompozitlerin sentezlenmesi, 2017 - 2017
14. Çelik Kazıcı H., NİŞO G., Project Supported by Higher Education Institutions, Çekirdek Kabuk Nanokatalizörlerin Sentezi ve Uygulaması, 2016 - 2017
15. Çelik Kazıcı H., Project Supported by Higher Education Institutions, Pd-Au bimetalik metal katalizörün hidrojen peroksit ve glikoz sensör ile glikoz biyosensör geliştirilmesinde kullanımı, 2015 - 2017

Jury Memberships

Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Atatürk Üniversitesi, June, 2019

Post Graduate, Tez Savunma Jürisi, Van Yüzüncü Yıl Üniversitesi, July, 2018

Post Graduate, Tez Savunma Jürisi, Siirt Üniversitesi, June, 2018

Post Graduate, Tez Savunma Jürisi, Yüzüncü Yıl Üniversitesi, March, 2017

Academic Staff Examination, 2016-2017, II. Dönem Lisansüstü Öğrenci Alımı Sınavı, Van Yüzüncü Yıl Üniversitesi, January, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. Simple detection of gluten in commercial gluten-containing samples with a novel nanoflower electrosensor made of molybdenum disulfide with comparison of the ELISA method**
Salman F., Zengin A., Çelik Kazıcı H.
Journal of Food Science, 2024 (SCI-Expanded)
- 2. The electromagnetic wave absorption properties of woven glass fiber composites filled with Sb₂O₃ and SnO₂ nanoparticles doped mica pigments**
Aknay Y., Colak B., TURAN M. E., Akkuş İ. N., Çelik Kazıcı H., Kizilcay A. O.
POLYMER COMPOSITES, vol.43, no.12, pp.8784-8794, 2022 (SCI-Expanded)
- 3. Comparative of MIL101(Cr) and nano-MIL101(Cr) Electrode as an Electrochemical Hydrogen Peroxide Sensor**
Salman F., Çelik Kazıcı H., Gülcan M.
ELECTROANALYSIS, vol.34, no.10, pp.1598-1609, 2022 (SCI-Expanded)
- 4. Co-Mn-B Nanoparticles Supported on Epoxy-Based Polymer as Catalyst for Evolution of H₂ from Ammonia Borane Semi-Methanolysis**
Çelik Kazıcı H., İZGİ M. S., ŞAHİN Ö.
JOURNAL OF ELECTRONIC MATERIALS, vol.51, no.5, pp.2356-2368, 2022 (SCI-Expanded)
- 5. Synthesis of 3D Sn doped Sb₂O₃ catalysts with different morphologies and their effects on the electrocatalytic hydrogen evolution reaction in acidic medium**
Aknay Y., Kazıcı H., Akkuş İ. N., Salman F.
CERAMICS INTERNATIONAL, vol.47, no.20, pp.29515-29524, 2021 (SCI-Expanded)
- 6. Effect of plasma pretreatment of Co-Cu-B catalyst on hydrogen generation from sodium borohydride methanolysis**
ŞAHİN Ö., İZGİ M. S., Tayboga S., Kazıcı H.
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.133, no.2, pp.851-861, 2021 (SCI-Expanded)
- 7. A comprehensive study on the synthesis, characterization and mathematical modeling of nanostructured Co-based catalysts using different support materials for AB hydrolysis**
Çelik Kazıcı H., İZGİ M. S., ŞAHİN Ö.
CHEMICAL PAPERS, vol.75, no.6, pp.2713-2725, 2021 (SCI-Expanded)
- 8. Electrochemical sensor investigation of carbon-supported PdCoAg multimetal catalysts using sugar-containing beverages**
Salman F., Çelik Kazıcı H., Demir Kıvrak H.
FRONTIERS OF CHEMICAL SCIENCE AND ENGINEERING, pp.1-10, 2020 (SCI-Expanded)
- 9. CeO₂ supported multimetallic nano materials as an efficient catalyst for hydrogen generation from the hydrolysis of NaBH₄**
Izgi M. S., Baytar O., Sahin O., Kazici H. C.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.60, pp.34857-34866, 2020 (SCI-Expanded)
- 10. Hydrogen production by using Ru nanoparticle decorated with Fe₃O₄@SiO₂-NH₂ core-shell microspheres**
Izgi M. S., Ece M. S., Kazici H., Sahin O., Onat E.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.55, pp.30415-30430, 2020 (SCI-Expanded)

11. **Synthesis and characterization of Fe₃O₄-supported metal-organic framework MIL-101(Fe) for a highly selective and sensitive hydrogen peroxide electrochemical sensor**
Salman F., Zengin A., Çelik Kazıcı H.
IONICS, vol.26, no.10, pp.5221-5232, 2020 (SCI-Expanded)
12. **A comprehensive study of hydrogen production from ammonia borane via PdCoAg/AC nanoparticles and anodic current in alkaline medium: experimental design with response surface methodology**
Çelik Kazıcı H., Yılmaz Ş., Şahan T., Yıldız F., Er O. F., Kivrak H.
FRONTIERS IN ENERGY, vol.14, no.3, pp.578-589, 2020 (SCI-Expanded)
13. **Synthesis of Ferrocene Based Naphthoquinones and its Application as Novel Non-enzymatic Hydrogen Peroxide**
ERTAS N. A., KAVAK E., Salman F., KAZICI H., Kivrak H., Kivrak A.
ELECTROANALYSIS, vol.32, no.6, pp.1178-1185, 2020 (SCI-Expanded)
14. **Synthesis of Metal-Oxide-Supported Triple Nano Catalysts and Application to H₂ Production and H₂O₂ Oxidation**
Çelik Kazıcı H., Salman F., İZGİ M. S., ŞAHİN Ö.
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.6, pp.3634-3644, 2020 (SCI-Expanded)
15. **Electrochemical sensor investigation of carbon-supported PdCoAg multimetal catalysts using sugar-containing beverages**
Salman F., Çelik Kazıcı H., Demir Kivrak H.
FRONTIERS OF CHEMICAL SCIENCE AND ENGINEERING, vol.in press, 2020 (SCI-Expanded)
16. **Synthesis of Ferrocene Based Naphthoquinones and its Application as Novel Non-enzymatic Hydrogen Peroxide**
Aslan Ertas N., Kavak E., Salman F., Çelik Kazıcı H., Demir Kivrak H., Kivrak A.
Electroanalysis, vol.32, pp.1-10, 2020 (SCI-Expanded)
17. **An electrocatalyst for detection of glucose in human blood: synergy in Pd-AuNPs/GOx/C surfaces**
Çelik Kazıcı H., Yayla M.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.206, no.12, pp.1731-1742, 2019 (SCI-Expanded)
18. **Hydrogen production through the cooperation of a catalyst synthesized in ethanol medium and the effect of the plasma**
İZGİ M. S., Onat E., Çelik Kazıcı H., ŞAHİN Ö.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2019 (SCI-Expanded)
19. **Novel activated carbon supported trimetallic PdCoAg nanoparticles as efficient catalysts for the hydrolytic dehydrogenation of ammonia borane**
Çelik Kazıcı H., YILDIZ F., İzgi M. S., Ulaş B., Kivrak H.
International Journal of Hydrogen Energy, vol.44, no.21, pp.10561-10572, 2019 (SCI-Expanded)
20. **Synthesis and characterization of novel Ti doped hexagonal mesoporous silica catalyst for nonenzymatic hydrogen peroxide oxidation**
Duzenli D., ŞAHİN Ö., Çelik Kazıcı H., Aktaş N., Demir Kivrak H.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.257, pp.92-98, 2018 (SCI-Expanded)
21. **Synthesis, characterization, and voltammetric hydrogen peroxide sensing on novel monometallic (Ag, Co/MWCNT) and bimetallic (AgCo/MWCNT) alloy nanoparticles**
Çelik Kazıcı H., Salman F., Caglar A., Demir Kivrak H., Aktaş N.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.26, no.3, pp.145-151, 2018 (SCI-Expanded)
22. **Synthesis of Pd-Ni/C bimetallic materials and their application in non-enzymatic hydrogen peroxide detection**
Çelik Kazıcı H., Salman F., Demir Kivrak H.
MATERIALS SCIENCE-POLAND, vol.35, no.3, pp.660-666, 2017 (SCI-Expanded)
23. **Production of precursors for anti-Alzheimer drugs: Asymmetric bioreduction in a packed-bed bioreactor using immobilized D. carota cells**
Çelik Kazıcı H., Bayraktar E., Mehmetoglu Ü.

- Preparative Biochemistry and Biotechnology, vol.47, no.1, pp.67-73, 2017 (SCI-Expanded)
24. **Facile and Rapid Synthesis of Microwave Assisted Pd Nanoparticles as Non-Enzymatic Hydrogen Peroxide Sensor**
ŞAHİN Ö., Demir Kıvrak H., Kıvrak A., Çelik Kazıcı H., Alal O., Atbas D.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.12, no.1, pp.762-769, 2017 (SCI-Expanded)
25. **Optimization of the asymmetric synthesis of chiral aromatic alcohol using freeze-dried carrots as whole-cell biocatalysts**
Çelik Kazıcı H., BAYRAKTAR E., MEHMETOĞLU Ü.
GREEN PROCESSING AND SYNTHESIS, vol.5, no.2, pp.131-137, 2016 (SCI-Expanded)
26. **ENANTİYOMERİK OLARAK SAF SEKONDER ALKOLLERİN ÜRETİMİNDE BİTKİ BİYOKATALİZÖRLERİ KULLANIMI**
Çelik Kazıcı H., mehmetoğlu ü.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, pp.49-56, 2015 (SCI-Expanded)
27. **USE OF THE PLANT AS BIOCATALYSTS FOR PRODUCING ENANTIOMERICALLY PURE SECONDER ALCOHOL**
Çelik Kazıcı H., MEHMETOĞLU Ü.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.1, pp.49-56, 2015 (SCI-Expanded)
28. **Determination of the optimum conditions for boric acid extraction from ulexite in perchloric acid solutions**
Gür A., Yıldız A., Çelik H., Selçuk A.
ASIAN JOURNAL OF CHEMISTRY, vol.20, pp.2929-2936, 2008 (SCI-Expanded)

Articles Published in Other Journals

1. **Carbon nano tube assisted triple metal electrode and high-impact electro sensor for preservative detection in food samples**
Yayla Çiftçi M., Çelik Kazıcı H., Demir Kıvrak H.
MATERIALS RESEARCH INNOVATIONS, vol.7, pp.1-12, 2023 (Scopus)
2. **Antimicrobial properties of multimetallic of silver compounds immobilized on active carbon and nano carbon tubes**
Kazıcı H., Yönten V., Kıvanç M. R., Ertas M., Salman F., Yayla M.
Current Research in Green and Sustainable Chemistry, vol.4, 2021 (Scopus)
3. **As a highly efficient reduced graphene oxide-supported ternary catalysts for the fast hydrogen release from NaBH₄**
Şahin Ö., Bozkurt A., Yayla M., Çelik Kazıcı H., İzgi M. S.
Graphene Technology, pp.1-9, 2020 (Peer-Reviewed Journal)
4. **An Investigation into the Electrochemical Behavior of Beta-Blocker Drugs Using Reduced Graphene Oxide Modified Screen Printed Electrodes**
Çelik Kazıcı H.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.1, pp.357-365, 2020 (Peer-Reviewed Journal)
5. **A novel study on the stepwise electrodeposition approach for the synthesis of Pd based nanoparticles, characterization and their enhanced electrooxidation activities**
Avcı C., Cicek F., Çelik Kazıcı H., Kıvrak A., Demir Kıvrak H.
INTERNATIONAL JOURNAL OF NANO DIMENSION, vol.9, no.1, pp.15-23, 2018 (ESCI)
6. **Development of an ultra-sensitive method using nafion and multi-walled carbon nanotube coated glassy carbon electrode for atenolol determination**
Çelik Kazıcı H.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK

BİLİMLERİ DERGİSİ, vol.24, no.7, pp.1287-1292, 2018 (ESCI)

7. **The Ultra-sensitive method development using Nafion and multi-walled carbon nanotube coated glassy carbon electrode for atenolol determination**

Çelik Kazıcı H.

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.24, pp.1-9, 2018 (Peer-Reviewed Journal)

8. **An investigation on dissolution kinetics of pre-heated ulexite**

Çelik Kazıcı H., Gür A.

Materials Science Research India, vol.4, pp.57-63, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

1. **ENANTIOMERIC SEPARATION OF BETA BLOCKER DRUGS**

Yıldırım A., Çelik Kazıcı H., Demir Kıvrak H., Aktaş N.

in: Advances in Engineering Sciences, Gülden Başyigit Kılıç, Editor, Platanus Publishing, Ankara, pp.309-331, 2023

2. **INVESTIGATION OF COLOR REMOVAL CONDITIONS IN METHYL ORANGE AND ERIOCHROME BLACK T USING A PHASE EXTRACTION COLUMN SYSTEM VIA AGARICUS CAMPESTRIS/AMBERLITE XAD-4 BIOCOMPOSITE MATERIAL**

YÖNTEN V., ÇELİK KAZICI H., KIVANÇ M. R., AKÇAY M. E.

in: Developments in Science: Physics, Chemistry, Biology, Prof. Dr. Sibel DEMİR KANMAZALP, Editor, Yaz Yayınları, Afyonkarahisar, pp.202-222, 2023

3. **γ-Al₂O₃-SUPPORTED MATERIALS FOR CATALYZING THE HYDROLYTIC DEHYDROGENATION OF AMMONIA BORANE**

İzgi M. S., Baytar O., Yayla M., Çelik Kazıcı H., Şahin Ö.

in: CURRENT STUDIES AT POSITIVE SCIENCES, Dr. Mehriban EMEK, Dr. E. İlhan ŞAHİN, Editor, İksad Publishing House, Ankara, pp.87-112, 2020

4. **Yakıt Pili Katalizörlerin Sentezi**

Çelik Kazıcı H., Ulaş B., Demir Kıvrak H.

in: Yakıt Pili Katalizörleri, KIVRAK H., Editor, Gece Akademi, Ankara, pp.135-150, 2019

5. **Bölüm 3: Yakıt Pili Katalizörlerinin Sentezi ve Karakterizasyonu**

Çelik Kazıcı H., Ulaş B., Demir Kıvrak H.

in: Yakıt Pili Katalizörleri, Demir Kıvrak H., Editor, Gece Kitaplığı, Ankara, pp.37-99, 2019

Refereed Congress / Symposium Publications in Proceedings

1. **Modifiye Edilmiş Yüzey Baskılı Karbon Elektrotların Ketoprofen Ayrımında Kullanılması**

Yayla M., Yıldırım A., Çelik Kazıcı H., Demir Kıvrak H., Aktaş N.

EurasianBioChem 2022, Ankara, Turkey, 23 - 25 November 2022, pp.1570-1575

2. **Investigation of the structure and activities of nanocatalysts prepared with Pd-Ru and Co for the direct electrooxidation of NaBH₄**

ÇELİK KAZICI H., Salman F., İZGİ M. S., Onat E.

Global Summit on Advanced Materials and Sustainable Energy, Van, Turkey, 03 October 2022

3. **Synthesis of different support nanocatalyzers and hydrogen peroxide sensor applications**

Salman F., ÇELİK KAZICI H., İZGİ M. S.

Global Summit on Advanced Materials and Sustainable Energy, Van, Turkey, 03 October 2022

4. **The Use of Surface - Printed Electrodes Modified with Carbon Derivatives in Racemic Drugs Separation**

Yayla M., Yıldırım A., ÇELİK KAZICI H., DEMİR KIVRAK H., AKTAŞ N.

Global Summit on Advanced Materials and Sustainable Energy, Van, Turkey, 03 October 2022

5. **Synthesis of Sn doped Sb₂O₅ particles and their optical and electrochemical properties**

AKINAY Y., AKKUŞ İ. N., Salman F., ÇELİK KAZICI H.

2nd Global Virtual Summit on Advances in Materials, Physics & Chemistry Science, England, 18 February 2021

6. **EFFECTS OF ACTIVATED CARBON SUPPORTED PdRu CATALYSTS ON HYDROGEN PRODUCTION**

Muhtasım R., Salman F., Yayla M., Çelik Kazıcı H.

ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.91

7. **Carbon Derivative Supported Triple Metal Electro Sensor for Citric Acid Detection in Food Samples**

Yayla M., Çelik Kazıcı H., Demir Kıvrak H.

ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.237-239

8. **Bimetalik Nanokatalizörlerin Sentezi ve Hidrojen Peroksit Sensör Uygulamaları**

Yıldırım A., Çelik Kazıcı H., Ulaş B., Demir Kıvrak H., Aktaş N.

13. Kimya Mühendisliği Kongresi, Van, Turkey, 03 September 2019 - 06 September 2018, pp.1

9. **Amonyak-Boranın Heterojen Fazda Katalitik Hidrolizi**

Yıldız F., Salman F., İZGİ M. S., Şahin Ö., Çelik Kazıcı H.

13. Kimya Mühendisliği Kongresi, Van, Turkey, 03 September 2019 - 06 September 2018, pp.1

10. **Investigation of Antibacterial and Antifungal Properties of Ag / C containing Nanoparticles**

Çelik Kazıcı H., Yönten V., Kıvanç M. R., Ertaş M.

International Conference on Vocational and Technical Science, Batum, Georgia, 5 - 07 August 2019, pp.14

11. **CeO₂ supported multimetallic nano materials as an efficient catalyst for hydrogen generation from the hydrolysis of NaBH₄**

İZGİ M. S., BAYTAR O., Şahin Ö., Çelik Kazıcı H.

IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.5

12. **Synthesis and characterization of nanostructured Co-Fe-B using different support materials for ammonia borane hydrolysis**

Çelik Kazıcı H., İzgi M. S., Şahin Ö.

IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.1

13. **Preparation of GO based Co-Cu-B and investigation of hydrogen production performance**

ŞAHİN Ö., Yayla M., Çelik Kazıcı H., İZGİ M. S.

IHTEC 2019, Antalya, Turkey, 20 - 22 June 2019, pp.6

14. **Eupergit CM supported Co-Mn-B nanoparticles as catalyst for the H₂ production from NH₃BH₃ methanolysis**

Çelik Kazıcı H., İZGİ M. S., Şahin Ö.

IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.3

15. **Al₂O₃-supported nanoparticles for catalyzing the hydrolysis of ammonia borane**

İZGİ M. S., BAYTAR O., Yayla M., Çelik Kazıcı H., ŞAHİN Ö.

IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.7

16. **A highly selective non-enzymatic H₂O₂ sensor supported on Eupergit CM decorated with PdMoAg nanoparticles**

Çelik Kazıcı H., Salman F., İZGİ M. S., Şahin Ö.

5th ICNTC, Atina, Greece, 22 - 24 April 2019, pp.3-4

17. **Pd@Sn Vulcan nanomaterialinin gıdalarda koruyucu madde tayininde kullanılması**

Yayla M., Çelik Kazıcı H., Ulaş B., Demir Kıvrak H., Aktaş N.

13 Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018, pp.7547

18. **SYNTHESIS OF MULTI-METAL NANO CATALYSTS AND THEIR APPLICATIONS**

Çelik Kazıcı H., Salman F., Demir Kıvrak H.

12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.1

19. **DEVELOPMENT OF MULTIMETALLIC NANO CATALYST AND FOR HYDROGEN PRODUCTION FROM AMMONIA BORANE IN LIQUID PHASE**

Çelik Kazıcı H., Yıldız F., Demir Kıvrak H.

12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.1

20. **Hydrogen Peroxide Sensor Application of Ti and TiNi Catalysts**

Çaglar A., Demir Kıvrak H., Çelik Kazıcı H., Aydoğmuş T., Aktaş N.

International symposium for environmental science and engineering research (ISESER), Antalya, Turkey, 11 - 12 May 2018, pp.11

21. **NANOENGINEERED SURFACES FOR POTENTIAL GLUCOSE SENSOR APPLICATIONS**

Çelik Kazıcı H., Yayla M.

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22. **NGCE AU PDNPS C FOR HYDROGEN PEROXIDE SENSOR APPLICATIONS**

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23. **The effect of sensor properties of multi-metal electrocatalysts on food**

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25. **Highly active non-enzymatic hydrogen peroxide and glucose detection**

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26. **Sensitive non-enzymatic glucose sensor based on bimetallic metals**

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27. **Synthesis, Characterization and CO Poisoning Tolerance of PdAgNi/CNT Catalysts**

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39. **M-Pd@C core/shell nanomaterialyallerin hidrojen peroksit sensör geliştirilmesinde kullanımı**

Yayla M., Çelik Kazıcı H., Demir Kıvrak H.

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40. **Sulu Ortamda Çevreci Gümüş Nano-Parçacıklarının Sentezlenmesi**

Yıldırım A., Çelik Kazıcı H., Kıvrak H.

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41. **Pd ve Pd-Ni metal katalizörlerinin sentezi, karakterizasyonu ve uygulaması**

Salman F., Çelik Kazıcı H., Kıvrak H.

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42. **Beta-blokerların saptanması için yeni bir elektrokimyasal sensör geliştirilmesi**

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43. **Çekirdek /Kabuk Nanokatalizörlerin Sentezi ve Uygulaması**

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52. **Facile Rapid Synthesis of Microwave Assisted Pd Nanoparticles for Non-Enzymatic Hydrogen Peroxide Sensor**
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Academic and Administrative Experience

2021 - Continues	BAP Coordinator	Van Yüzüncü Yıl University, Fen Fakültesi, Kimya Bölümü
2015 - Continues	Academic Board Member	Van Yüzüncü Yıl University, Kimya Mühendisliği Bölümü

Advising Theses

- Çelik Kazıcı H., HİDROJEN ELDESİ İÇİN UYGUN KATALİZÖR SENTEZ VE KARAKTERİZASYONU, Postgraduate, F.YILDIZ(Student), 2019
- Çelik Kazıcı H., Modifiye edilmiş yüzey baskılı elektrotlar ile gıda katkı maddelerinin elektrokimyasal davranışlarının incelenmesi, Postgraduate, M.YAYLA(Student), 2019
- Çelik Kazıcı H., Demir Kıvrak H., Karbon nanotüp destekli Pt, Bi ve Ru monometalik katalizörlerin nano tasarım ile sentezi, karakterizasyonu ve alkol yakıt pili uygulamaları, Postgraduate, N.ALBOUNİ(Student), 2019
- Çelik Kazıcı H., NANOKATALİZÖRLERİN SENTEZİ KARAKTERİZASYONU VE SENSÖR ETKİSİNİN ELEKTROKİMYASAL İNCELENMESİ, Postgraduate, F.SALMAN(Student), 2019
- Çelik Kazıcı H., Reducing sulfur from crude oil and petroleum products by using ionic aqueous solution, Postgraduate,

Scientific Refereeing

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Van Yüzüncü Yıl University, Turkey, March 2020

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International Journal of Hydrogen Energy, SCI Journal, February 2020

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, January 2020

International Journal of Global Warming, SCI Journal, November 2018

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Bioengineering and Bioscience, Other Indexed Journal, April 2018

Journal of Alloys and Compounds, SCI Journal, October 2017

Bioprocess and Bioengineering, Other Indexed Journal, January 2017

Scientific Consultations

Van KOSGEB, Scientific Consultancy, Van Yüzüncü Yıl University, Mühendislik Ve Mimarlık Fakültesi, Kimya Mühendisliği, Turkey, 2020 - Continues

Scientific Research / Working Group Memberships

Nanotechnology Sensors, Energy and medicine araştırma grubu, YÜZÜNCÜ YIL ÜNİVERSİTESİ, Turkey, <https://www.facebook.com/search/top/?q=nanotech-sem%20research%20group>, 2015 - Continues

Metrics

Publication: 98

Citation (WoS): 182

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Congress and Symposium Activities

4. Ulusal Uygulamalı Elektrokimya Çalıştayı, Attendee, Manisa, Turkey, 2016

Research Areas

Chemical Engineering and Technology, Biotechnology, Biochemical Reaction Engineering, Enzyme Engineering , Chemical Technologies, Electrochemical Processes, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Chemistry, Biochemistry, Biotransformations, Enzyme Kinetics, Natural Sciences, Engineering and Technology