HİLAL DEMİR KIVRAK
PROF.

Email : hilaldemir.kivrak@ogu.edu.tr
International Researcher IDs
ScholarID: HDyP-X4AAAAJ
ORCID: 0000-0001-8001-7854
Publons / Web Of Science ResearcherID: HJI-7095-2023
ScopusID: 57220072283
Yoksis Researcher ID: 14881

Learning Knowledge

Postgraduate 2019 - 2022	Van Yüzüncü Yil University, Sosyal Bilimler Enstitüsü, Felsefe (Yl) (Tezli) (Muş Alparslan Ün.Ortak), Turkey
Post Doctorate 2011 - 2012	Technische Universitaet Darmstadt, Chemieabteilung, Anorganische Chemie (YÖK Doktora Sonrası Araştırma Bursu), Germany
Doctorate 2003 - 2010	Middle East Technical University, Faculty Of Engineering, Department Of Chemical Engineering, Turkey
Doctorate 2008 - 2009	Iowa State University, Engineering Faculty, Chemical and Biological Department (TÜBİTAK 2214 Doktora Araştırma Bursu), United States Of America
Undergraduate 1998 - 2002	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Müh.Bölümü, Turkey

Foreign Languages

English, C1 Advanced
French, B1 Intermediate

Dissertations

Postgraduate, Platon ve Aristoteles'te değişme ve hareket üzerine, Van Yüzüncü Yil University, Sosyal Bilimler Enstitüsü, 2022
Doctorate, Synthesis and characterization of ethanol electro-oxidation catalysts, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 2010

Academic Titles / Tasks

Professor 2021 - Continues	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Müh.Bölümü
Associate Professor 2021 - 2021	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Müh.Bölümü
Associate Professor 2016 - 2021	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
Associate Professor 2017 - 2017	Université Paul Sabatier: Toulouse III, CNRS, Laboratoire de Synthèse et Physico-Chimie des Molécules d'Intérêt Biologique
Assistant Professor 2013 - 2016	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
Research Assistant PhD 2011 - 2013	Selcuk University, Faculty Of Engıneerıng, Department Of Chemıstry Engıneerıng
Associate Professor 2011 - 2012	Technische Universitaet Darmstadt, Technische Universitaet Darmstadt, Chemieabteilung, Anorganische Chemie
Research Assistant 2002 - 2011	Middle East Technical University, Faculty Of Engineering, Department Of Chemical Engineering
Researcher 2009 - 2009	Technische Universitaet Darmstadt, Chemieabteilung, Anorganische Chemie
Researcher 2008 - 2009	Iowa State University, Faculty of Engineering, Chemical and Biological Engineering

Supported Projects

1. DEMİR KIVRAK H., ÇAĞLAR A., ABBAS M. J. A., Project Supported by Higher Education Institutions, CNT destekli Cu Nb ve Fe bazlı Katalizörlerin NaBH4 Metanolizinden Hidrojen Üretimi için Geliştirilmesi, 2024 - Continues
2. KAYA Ş., DEMİR KIVRAK H., KIVRAK A., ULAŞ B., ÖZOK ARICI Ö., Project Supported by Higher Education Institutions, Organik Temelli Katalizörlerin Alkali Yakıt Pili Performanslarının Farklı Membranlar Üzerinde İncelenmesi, 2023 - Continues
3. DEMİR KIVRAK H., KAYA Ş., SAKA C., Project Supported by Higher Education Institutions, Yeni Nesil Katalizörlerin Hazırlanması ve Metanoliz ile Hidrojen Üretiminin Araştırılması, 2023 - Continues
4. YILDIZ D., DEMİR KIVRAK H., AKTAŞ N., ULAŞ B., SAKA C., ÇAĞLAR A., Project Supported by Higher Education Institutions, Hidrazin Borandan Hidrojen Üretiminde Biyo çarların Katalizör Olarak Kullanımı, 2023 - Continues
5. DEMİR KIVRAK H., YAZAR AYDOĞAN S., ÇAĞLAR A., DEMİR B., Project Supported by Higher Education Institutions, Yeni nesil polimer kompozitlerin hazırlanması ve süperkapasitör uygulamaları, 2023 - Continues
6. KIVRAK A., KARA A., LÖKOĞLU G., KAVAK E., NAJRI B. A. A., DEMİR KIVRAK H., KAYA Ş., Project Supported by Higher Education Institutions, SİYANO GRUBU İÇEREN YENİ BENZOFURAN TÜREVLERİNİN SENTEZİ HİDRAZİN VE

GLİKOZ YAKIT HÜCRESİ PERFORMANSLARININ BULUNMASI, 2023 - Continues

7. YILDIZ D., Çağlar A., DEMİR KIVRAK H., KAYA Ş., Project Supported by Higher Education Institutions, Metal Destekli Zeolit Katalizörler Üzerinde Biyokütle Pirolizinin Araştırılması, 2022 - Continues
8. Özok Arıcı Ö., Kıvrak A., Çağlar A., Demir Kıvrak H., Kaya Ş., TUBITAK Project, TÜBİTAK 1002 Pirazol Temelli Organik Yakıt Pili Anot Katalizörlerinin Tasarımı ve Elektrokimyasal Özellikleriyakıt pili, 2024 - 2025
9. Demir Kıvrak H., Ecer Ü., TUBITAK Project, TÜBİTAK 2218 Doğrudan hidrazin yakıt pilleri için MIL-68(Al) destekli PdNiFe anot katalizörlerinin tasarımı, 2023 - 2025
10. Demir Kıvrak H., Elalmış H. H., Dalca F. E., Kaba İ., TUBITAK Project, TÜBİTAK 2209 A Sodyum borhidrür metanolizinden hidrojen üretimi için katalizör olarak metal içermeyen zeolit/aktif karbon kompozit sentezi ve karakterizasyonu, 2023 - 2024
11. Demir Kıvrak H., Şahin G., Taş T., Demirkaya I., TUBITAK Project, TÜBİTAK 2209 A-Elektrokimyasal su ayrışması performansı için geliştirilmiş katalizör olarak CNT kullanılması, 2023 - 2024
12. Demir Kıvrak H., Telli M. C., Ateş C., Baydar M., TUBITAK Project, TÜBİTAK 2209 B Atık kumaşdan üretilen aktif karbon destekli katalizörlerin Hidrojen peroksit yakıt pili uygulamaları, 2023 - 2024
13. Kıvrak A., Demir Kıvrak H., Erasmus Project, ERASMUS Digital Green, 2022 - 2024
14. Demir Kıvrak H., Çoban F., TUBITAK Project, TÜBİTAK 2218: Çapraz Bağlı Yeni Nesil 2,5-ditiyenil Pirol İletken Polimer Türevlerinin Süperkapasitör Uygulamaları, 2022 - 2024
15. Demir Kıvrak H., Kavak E., TUBITAK Project, TÜBİTAK 2218: Akciğer kanseri antijeni CYFRA21-1?in tayini için yeni nesil benzotiyofen temelli elektrokimyasal DNA biyosensörlerin geliştirilmesi, 2022 - 2024
16. ANIK M., DEMİR KIVRAK H., YÜKSEL R., COŞKUN Ş., LÖKÇÜ E., ÖZDEN R. C., Project Supported by Higher Education Institutions, Lityum İyon Oksijen Bataryanın FotoAkım Yardımlı Şarjı İçin Etkin FotoElektrotların Geliştirilmesi, 2022 - 2024
17. Demir Kıvrak H., Atabanı A., Atelge R., Avcı Hansu T., Akansu S. O., Ünalan S., Project Supported by Higher Education Institutions, Development of a small-scale SCG-based biorefinery to produce biofuels and value-added products: pathways towards green environment and circular bioeconomy, 2022 - 2024
18. DEMİR KIVRAK H., YAZAR AYDOĞAN S., ALOVN D., Project Supported by Higher Education Institutions, Yeni Nesil PoliNisopropylacrylamid ve Poliakrilikasit Temelli Kompozit Elektrotların Hazırlanması ve Süperkapasitör Uygulamaları, 2023 - 2023
19. Demir Kıvrak H., Ateş C., Telli M. C., Sayın A. G., TUBITAK Project, Fotokatalitik Hidrojen peroksit yakıt pili için yeni nesil katalizörlerin araştırılması, 2022 - 2023
20. Demir Kıvrak H., Kıvrak A., TUBITAK Project, TÜBİTAK 1002 122Z061: Benzofuran Türevlerinin Hidrazin Elektrooksidasyon Uygulamaları ve Yakıt Pili Performansları (01/04/2022-DEVAM EDİYOR), 2022 - 2023
21. DEMİR KIVRAK H., KAYA Ş., ÇAĞLAR A., ULAŞ B., Project Supported by Higher Education Institutions, Titanyum dioksit nanotüp destekli CdTe enzimatik glikoz yakıt pili anot katalizörlerin performansının tayini ve cevap yüzey yöntemi ile optimizasyonu, 2022 - 2023
22. Demir Kıvrak H., Aktaş N., Selçuk K., Project Supported by Higher Education Institutions, VAN YYU BAP: Yeni polimer temelli akıllı malzemelerin sentezi, karakterizasyonu ve bu malzemeler ile amino asitlerin elektrokimyasal tayininde kullanılması, 2022 - 2023
23. Demir Kıvrak H., Özok Ö., TUBITAK Project, TÜBİTAK 2218 118C546: Yeni Aldehit Fonksiyonlu Pirazollerin Sentezi ve Elektrokimyasal Sensör Uygulamaları (10.11.2021-DEVAM EDİYOR), 2021 - 2023
24. Demir Kıvrak H., Atelge R., Avcı Hansu T., Abdulaziz Atabani A., Project Supported by Higher Education Institutions, Hayvan gübresi ve kahve telvesinden yenilenebilir biyo-yakıt olarak biyogazın üretim potansiyelinin araştırılması, 2021 - 2023
25. KIVRAK A., DEMİR KIVRAK H., KAVAK E., KAYA Ş., ÖZOK ARICI Ö., Project Supported by Higher Education Institutions, 3-İyodobenzotiyofen Türevlerinin Hidrazin Elektrooksidasyon Uygulamaları ve Yakıt Pili Performansları, 2021 - 2022
26. Demir Kıvrak H., Avcı Hansu T., Atelge R., Atabani A., Project Supported by Higher Education Institutions, YENİ NESİL AKTİF KARBON TEMELLİ HETEROJEN BİYODİZEL KATALİZÖRLERİNİN SENTEZİ, KARAKTERİZASYONU VE ATIK YAĞLARDAN BİYODİZEL ÜRETİM UYGULAMALARI, 2021 - 2022
27. Kıvrak A., Demir Kıvrak H., TUBITAK Project, Yeni Nesil Donör-Akseptör (D-A) Tipi İndol Türevlerinin Sentezi Ve Elektrokimyasal Davranımlar, 2021 - 2022

28. Demir Kıvrak H., Aktaş N., Project Supported by Higher Education Institutions, Galyum, Cobalt ve Gümüş ile modifiye edilmiş Pd Katalizörlerin Sentezi, Karakterizasyonu ve formik asit elektrooksitlenmesi aktivitesinin incelenmesi , 2021 - 2022
29. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, CNT Destekli Pt Temelli Doğrudan Bor Hidrür Yakıt Hücresi Katalizörlerinin Hazırlanması ve Karakterizasyonu, 2020 - 2022
30. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, CVD Tekniğiyle hazırlanmış Grafen-Metal Nanokompozitlerin Glikoz elektrooksitlenme aktivitesinin incelenmesi, 2019 - 2021
31. Demir Kıvrak H., Project Supported by Higher Education Institutions, Co Ve Ag Metali çekirdeği üzerine Pd kabuklandırması ile çok metalli çekirdek kabuk katalizörlerin nanotasarım ile sentezi ve karakterizasyonu, 2018 - 2021
32. Demir Kıvrak H., Çelik Kazıcı H., Project Supported by Higher Education Institutions, Grafen türevleri ile modifiye edilmiş yüzey baskılı elektrotların rasemik ilaçları ayırt etme özelliklerinin incelenmesi, 2018 - 2021
33. Demir Kıvrak H., Aktaş N., Project Supported by Higher Education Institutions, Kuantum Nokta yapıların sentezi ve elektrokimyasal glukoz elektrooksitlenme uygulamaları, 2019 - 2020
34. Demir Kıvrak H., Hansu T. A., Sahin O., Project Supported by Higher Education Institutions, Ru Temelli Geliştirilen Bazı katalizörlerin NaBH4'ün hidrolizinde ve elektrooksidasyonla katalitik aktivitesinin belirlenmesi, 2018 - 2020
35. Kıvrak A., Demir Kıvrak H., Other International Funding Programs, Improving Sceince knowledge for foreign students, 2019 - 2019
36. Demir Kıvrak H., Şahin O. G., TÜBİTAK - AB COST Project, Cvd Tekniğiyle Katkılanmış Grafen-Metal Nanokompozitlerin Sentezi, Karakterizasyonu Ve Glikoz Sensör Duyarlılıklarının İncelenmesi, 2017 - 2019
37. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, PdCo/CNT Alaşım Katalizörlerinin Sentezi, Karakterizasyonu ve Yakıt Pili Uygulamaları, 2016 - 2019
38. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, Hidrojen peroksit tayini için yeni sensörlerin tasarlanması ve karakterizasyonu, 2016 - 2019
39. Demir Kıvrak H., TUBITAK Project, TÜBİTAK 2223 Bilimsel Etkinlik Düzenleme-13. ulusal Kimya Mühendisliği Kongresi, 2018 - 2018
40. Demir Kıvrak H., Project Supported by Higher Education Institutions, 13. Ulusal Kimya Mühendisliği Kongresi, 2018 - 2018
41. Demir Kıvrak H., Kıvrak A., Project Supported by Higher Education Institutions, 3-Alkinil-2 Tiyofen-2 il benzotiyofen türevlerinin sentezi ve elektrokimyasal özellikleri, 2017 - 2018
42. Demir Kıvrak H., Project Supported by Higher Education Institutions, Formik asit elektroyükseltgenmesi için hazırlanan Pd temelli katalizörlerin sentezi ve karakterizasyonu, 2017 - 2018
43. Demir Kıvrak H., Zahmakıran M., Project Supported by Higher Education Institutions, ALD Tekniğiyle Külçeleşme ve Sızmaya Karşı Dayanıklı Katı Destekli Metal Nanokatalizörlerinin Geliştirilmesi ve Formik Asitten Hidrojen Üretiminde Kullanılması, 2017 - 2017
44. Demir Kıvrak H., Project Supported by Higher Education Institutions, Formik Asit Elektroyükseltgenmesi İçin Hazırlanan Karbon Nanotüp Destekli CoAuPd Nanokatalizörlerinin Sentezi ve Karakterizasyonu, 2016 - 2017
45. Kıvrak A., Demir Kıvrak H., Project Supported by Higher Education Institutions, PdAg Formik Asit Yakıt Pili Anot Katalizörlerinin Sentezi ve Karakterizasyonu, 2016 - 2017
46. Demir Kıvrak H., Özdemir N., TUBITAK Project, Meme Kanseri Belirteçlerinin Grafen Temelli Elektrokimyasal İmmunosensörler Aracılığı ile Yüksek Duyarlılıkta Belirlenmesi, 2016 - 2017
47. Demir Kıvrak H., Çağlar A., TUBITAK Project, Elektrokimyasal Grafen Üretimi ve Uygulamaları, 2016 - 2017
48. Demir Kıvrak H., Zahmakıran M., TÜBİTAK - AB COST Project, ALD Tekniğiyle Külçeleşme ve Sızmaya Karşı Dayanıklı Katı Destekli Metal Nanokatalizörlerinin Geliştirilmesi ve Formik Asitten Hidrojen Üretiminde Kullanılması, 2015 - 2017
49. Demir Kıvrak H., Mert S. O., Şahin O. G., Yurtcan A. B., TUBITAK Project, Geçiş Metali Çekirdeği Üzerinde Au Ti V Mn Fe Co Ni Zn Pd Kabuklandırılması ile Çok Metalli Çekirdek Kabuk Katalizörlerinin Nano Tasarım ile Sentezi Karakterizasyonu ve DFAYP Uygulamaları, 2014 - 2017
50. Demir Kıvrak H., Çağlar A., TUBITAK Project, Karbon Nanotüp Destekli Formik Asit Yakıt Pili Pd, PdAu ve PdAg anot Katalizörlerinin Mikrodalga Sentez Yöntemi ile Sentezlenmesi, Karakterizasyonu ve Yakıt Pili Uygulamaları, 2015 - 2016

51. Demir Kıvrak H., Kıvrak A., TUBITAK Project, Yüksek Aktiviteye Sahip Formik Asit Yakıt Pili Anot Katalizörü Pt Pd Au Çekirdek Kabuk Katalizörlerinin Mikrodalga Yöntemi Ile Üretilmesi, 2014 - 2016
52. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, Fotokatalitik hidrojen üretimi için mezogözenekli silika yapılarında TiO2 sentezi ve Karakterizasyonu, 2014 - 2015
53. Kıvrak A., Demir Kıvrak H., Project Supported by Higher Education Institutions, Çekirdek Kabuk yapısına sahip Metanol Elektro oksitleme Pt Ru Nano Katalizörlerinin Sentezi ve Geliştirilmesi, 2014 - 2015
54. Demir Kıvrak H., Çiçek F., TUBITAK Project, TÜBİTAK 2209 B CoAuPd Çekirdek/Kabuk Katalizörlerinin Nano Tasarım ile Sentezi, Karakterizasyonu ve DFAYP Uygulamaları , 2014 - 2015
55. Demir Kıvrak H., Şahin O. G., Project Supported by Higher Education Institutions, Doğrudan Etanol Yakıt Pilleri için Karbon Destekli Üçlü Metal Nanoparçacıklı Anot Katalizörlerin Hazırlanması ve Karakterizasyonu, 2013 - 2015
56. Demir Kıvrak H., Sahin O., Project Supported by Higher Education Institutions, SELÇUK ÜNİVERSİTESİ BAP Nanoyapılı Pt temelli iki metalli Doğrudan Metanol Yakıt Pili Katalizörlerinin Sentezi ve Geliştirilmesi, Bütçe: 11475 € (28000 TL), 2011 - 2013

Awards

1. Demir Kıvrak H., YÖK ÜSTÜN BAŞARI ÖDÜLLERİ FEN VE MÜHENDİSLİK BİLİMLERİ YILIN DOKTORA TEZİ DANIŞMAN ÖDÜLÜ, Yök, October 2022
2. Demir Kıvrak H., FEN VE MÜHENDİSLİK ALANI BİLİMSEL BAŞARI ÖDÜLÜ, Eskişehir Osmangazi Üniversitesi , April 2022
3. Demir Kıvrak H., Unesco-Loreal Bilim Kadını Ödülü 2017, Unesco-Loreal, May 2017

Scholarships

YÖK doktora sonrası Araştırma bursu, YOK, 2011 - 2012
Türkiye Almanya işbirliği projesi, TUBITAK, 2009 - 2009
2214, TUBITAK, 2008 - 2009

Published journal articles indexed by SCI, SSCI, and AHCI

1. **The synthesis and characterization of carbon nanotube-supported CuBi catalyst for H2 production from NaBH4 methanolysis**
   Abbas M. J. A., Caglar A., DEMİR KIVRAK H.
   Process Safety and Environmental Protection, vol.185, pp.96-104, 2024 (SCI-Expanded)
2. **Highly active polyethylene glycol grafted cellulose supported Pd nanoparticles for glucose electrooxidation**
   Ulaş B., Yilmaz Y., GÖK Ö., DEMİR KIVRAK H.
   Process Safety and Environmental Protection, vol.185, pp.772-781, 2024 (SCI-Expanded)
3. **Activated carbon from waste fabrics as a catalyst for NaBH4 methanolysis**
   YILDIZ D., Sarıboğa E., Altınay B. S., Denktaş D., Şirin G., Altun Ş. N., KAYA Ş., Kıvrak H. D., Korkmaz N.
   Process Safety and Environmental Protection, vol.185, pp.831-838, 2024 (SCI-Expanded)
4. **Highly efficient metal free aldehyde-functionalized indoles for direct glucose fuel cell anode catalyst**
   Çalış Karatekin H., Ulaş B., Yilmaz Y., DEMİR KIVRAK H., KIVRAK A.
   International Journal of Hydrogen Energy, vol.63, pp.635-644, 2024 (SCI-Expanded)
5. **Novel Ti3C2X2 MXene supported BaMnO3 nanoparticles as hydrazine electrooxidation catalysts**
   Ulaş B., ÇETİN T., KAYA Ş., Akınay Y., DEMİR KIVRAK H.
   International Journal of Hydrogen Energy, vol.58, pp.726-736, 2024 (SCI-Expanded)
6. **Methanolysis and electrooxidation of sodium borohydride on CNT supported Pd and Au bimetallic**

catalysts
KAYA Ş., Caglar A., Saka C., DEMİR KIVRAK H.
Journal of Electroanalytical Chemistry, vol.956, 2024 (SCI-Expanded)

7. **Production of carbon nanotube-supported metal (M = Ru, Pd, Pt) doped polyacrylic acid electrode materials and supercapacitor application**
Caglar A., YAZAR AYDOĞAN S., Alovn D., DEMİR KIVRAK H.
Diamond and Related Materials, vol.143, 2024 (SCI-Expanded)
8. **Waste ceramic frit as novel catalyst triggering sodium borohydride methanolysis reaction**
Rüzgar D., YILDIZ D., KAYA Ş., Martinez J. v., Yeşilbursa G., DEMİR KIVRAK H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.56, pp.1038-1048, 2024 (SCI-Expanded)
9. **Development of Carbon Nanotube-Supported Metal (Mo, Ga, Bi)-Doped Polyacrylic Acid Electrodes for Supercapacitor Applications**
Alovn D., Yazar S., Caglar A., DEMİR KIVRAK H.
JOURNAL OF ELECTRONIC MATERIALS, vol.53, no.2, pp.991-1001, 2024 (SCI-Expanded)
10. **Selective Electrochemical Determination of L-Cysteine by a Cobalt Carbon Nanotube (CNT)-Modified Glassy Carbon Electrode (GCE)**
DEMİR KIVRAK H., Selcuk K., Caglar A., Aktaş N.
ANALYTICAL LETTERS, 2024 (SCI-Expanded)
11. **Enhanced Photocatalytic Hydrogen Production on Cd-, Te-, Se-, and S-Doped Titanium Dioxide Catalysts**
KAYA Ş., Saka C., Caglar A., Kaya M., DEMİR KIVRAK H.
Journal of Electronic Materials, vol.52, no.12, pp.8227-8236, 2023 (SCI-Expanded)
12. **Supported PbHfCd electrocatalysts over carbon-hydroxyapatite composite fabricated by precipitation and NaBH4 reduction methods for glucose electrooxidation**
Ulaş B., Yılmaz Ürün Y., Koç S., DEMİR KIVRAK H.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.27, no.12, pp.3425-3437, 2023 (SCI-Expanded)
13. **The enhanced TiO2-supported CdTe photocatalysts for photocatalytic hydrogen peroxide electrooxidation**
Caglar A., Gözde Sayin A., Aktaş N., DEMİR KIVRAK H.
Journal of Photochemistry and Photobiology A: Chemistry, vol.445, 2023 (SCI-Expanded)
14. **Synthesis of 3-Iodoindoles and Their Glucose Electrooxidation Performance as an Anode Catalyst**
Çalış Karatekin H., Ulaş B., Yilmaz Y., DEMİR KIVRAK H., Kavak E., KIVRAK A.
Waste and Biomass Valorization, vol.14, no.10, pp.3285-3295, 2023 (SCI-Expanded)
15. **High-efficiency catalyst for water splitting and supercapacitor applications: the promising role of Ni/PMAc-g-CNT**
Çağlar A., KAYA Ş., Hansu T. A., Akdemir M., DEMİR KIVRAK H., Horoz S., Kaya M.
IONICS, vol.29, no.10, pp.4147-4157, 2023 (SCI-Expanded)
16. **The advanced polymer composite coated fabrics as an anode electrode and photocatalytic glucose micro fuel cell design**
Caglar A., Sahan B., Gözde Sayin A., Tuncbora Pelen Y., Korkmaz N., DEMİR KIVRAK H.
Journal of Photochemistry and Photobiology A: Chemistry, vol.444, 2023 (SCI-Expanded)
17. **Enhanced hydrogen production via methanolysis and energy storage on novel poplar sawdust-based biomass-derived activated carbon catalyst**
KAYA Ş., Saka C., YILDIZ D., EROL S., Ulaş B., Demir I., DEMİR KIVRAK H.
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.53, no.8, pp.1643-1655, 2023 (SCI-Expanded)
18. **A novel hazelnutt bagasse based activated carbon as sodium borohydride methanolysis and electrooxidation catalyst**
Saka C., Yıldız D., Kaya Ş., Caglar A., Elitok D., Yaylı E., Kaya M., Atelge R., Demir Kıvrak H.
International Journal of Hydrogen Energy, vol.48, no.65, pp.25339-25353, 2023 (SCI-Expanded)
19. **Characterization and electrooxidation activity of ternary metal catalysts containing Au, Ga, and Ir for enhanced direct borohydride fuel cells**

Caglar A., KAYA Ş., DEMİR KIVRAK H.
Journal of Applied Electrochemistry, vol.53, no.6, pp.1207-1218, 2023 (SCI-Expanded)

20. **A novel carbohydrate antigen 125 electrochemical sensor based on sweet almond oil organo-hydrogels**
Er O. F., Alpaslan D., Dudu T. E., Aktas N., Çelik S., DEMİR KIVRAK H.
Materials Chemistry and Physics, vol.298, 2023 (SCI-Expanded)

21. **A study on supercapacitor electrode material from trigonal planar and (N→B) dative bond stabilized tetrahedral boron-containing compounds**
Kilic A., Soylemez R., Akdemİr M., DEMİR KIVRAK H., KAYA M. D., Horoz S.
Journal of Materials Science: Materials in Electronics, vol.34, no.7, 2023 (SCI-Expanded)

22. **Carbon Nanotube Supported CdM(S, Se)/CdTe Anode Catalysts for Electrooxidation of Glucose in Alkaline Media**
Caglar A., DEMİR KIVRAK H., Aktaş N.
CHEMISTRYSELECT, vol.8, no.12, 2023 (SCI-Expanded)

23. **Structural and photon/neutron attenuation features of PbNi/CNT nanocomposites: An experimental approach**
Yıldız Yorgun N., KAVAZ E., Ulaş B., Yılmaz Y., DEMİR KIVRAK H.
Progress in Nuclear Energy, vol.157, 2023 (SCI-Expanded)

24. **Hydroxyapatite supported PdxIn100-x as a novel electrocatalyst for high-efficiency glucose electrooxidation**
Ulaş B., Yilmaz Y., Koc S., DEMİR KIVRAK H.
International Journal of Hydrogen Energy, vol.48, no.18, pp.6798-6810, 2023 (SCI-Expanded)

25. **CNT-Supported Multi-Metallic (Ga@PdAgCo) Anode Catalysts: Synthesis, Characterization, and Glucose Electrooxidation Application**
KAYA Ş., Caglar A., DEMİR KIVRAK H.
JOURNAL OF ELECTRONIC MATERIALS, vol.52, no.2, pp.887-895, 2023 (SCI-Expanded)

26. **Exploring the Triple Applications of Ag/PMAc-g-CNT Nanocomposites in Enhancing HER, OER and Supercapacitor Performance**
KAYA Ş., Çağlar A., Akdemir M., DEMİR KIVRAK H., Horoz S., Kaya M.
Waste and Biomass Valorization, 2023 (SCI-Expanded)

27. **Boron-containing compounds as a new candidate for supercapacitor electrode: simplified synthesis and structural identification properties**
Akdemir M., DEMİR KIVRAK H., Kilic A., Beyazsakal L., KAYA M. D., Horoz S.
Desalination and Water Treatment, vol.304, pp.140-149, 2023 (SCI-Expanded)

28. **Photocatalytic glucose electrooxidation of titanium dioxide doped CdTe enhanced for a photocatalytic fuel cell**
Caglar A., Aktaş N., DEMİR KIVRAK H.
FUEL, vol.330, 2022 (SCI-Expanded)

29. **Development of a stability-indicating HPLC method for the simultaneous quantification of antazoline nitrate and naphazoline sulfate in a commercial ophthalmic formulation**
Salih M. A., Hama Aziz K. H., Aziz D. F., DEMİR KIVRAK H.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.45, no.17-20, pp.284-293, 2022 (SCI-Expanded)

30. **Novel Cacao oil-based organo-hydrogels to detect carcinoma antigen 125 in serum medium; synthesis, characterization, and electrochemical measurements**
Er O. F., Alpaslan D., Dudu T. E., Aktas N., DEMİR KIVRAK H.
MATERIALS CHEMISTRY AND PHYSICS, vol.292, 2022 (SCI-Expanded)

31. **Catalytic electro-oxidation of hydrazine by thymol based-modified glassy carbon electrode**
Sharif K. H., DEMİR KIVRAK H., Ozok-Arici Ö., Caglar A., KIVRAK A.
FUEL, vol.330, 2022 (SCI-Expanded)

32. **Benzotiyofen@Pd as an efficient and stable catalyst for the electrocatalytic oxidation of hydrazine**

Kaya Ş., Ozok-Arici Ö., Kıvrak A., Caglar A., Demir Kıvrak H.
FUEL, vol.328, 2022 (SCI-Expanded)

33. **Novel 5-(2-phenylbenzo [b] thiophen-3-yl)furan-2-carbaldehyde based ovarian cancer carbohydrate antigen 125 electrochemical sensor**
Er O. F., DEMİR KIVRAK H., Ozok Ö., KIVRAK A.
MATERIALS CHEMISTRY AND PHYSICS, vol.291, 2022 (SCI-Expanded)

34. **Quantum size effect of cadmium-doped titanium dioxide photocatalysts towards methylene blue degradation and electrooxidation**
Kivrak H., Saleh D., Alpaslan D., Caglar A., Selcuk K., Dudu T. E., Aktaş N.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.10, pp.9507-9518, 2022 (SCI-Expanded)

35. **Novel gallium-based voltammetric sensor for sensitive detection of cysteine**
Selçuk K., Çağlar A., Aktaş N., DEMİR KIVRAK H.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.169, 2022 (SCI-Expanded)

36. **The role and effect of CdS-based TiO2 photocatalysts enhanced with a wetness impregnation method for efficient photocatalytic glucose electrooxidation**
Caglar A., Aktaş N., DEMİR KIVRAK H.
SURFACES AND INTERFACES, vol.33, 2022 (SCI-Expanded)

37. **Development of Effective Bimetallic Electrocatalysts for Glucose Electrooxidation**
Ulaş B., Yilmaz Y., DEMİR KIVRAK H., ERÜNAL E.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.169, no.10, 2022 (SCI-Expanded)

38. **Promoting formic acid and ethylene glycol electrooxidation activity on Ga modified Pd based catalysts**
DEMİR KIVRAK H., Aktaş N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.83, pp.35265-35274, 2022 (SCI-Expanded)

39. **The effect of different carbon-based CdTe alloys for efficient photocatalytic glucose electrooxidation**
Caglar A., Faruk Er O., Aktaş N., DEMİR KIVRAK H.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.920, 2022 (SCI-Expanded)

40. **Glucose electrooxidation modelling studies on carbon nanotube supported Pd catalyst with response surface methodology and density functional theory**
KAYA Ş., Ulaş B., Duzenli D., ÖNAL I., Er O. F., Yilmaz Y., Tezsevin I., DEMİR KIVRAK H.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.168, 2022 (SCI-Expanded)

41. **Carbon nanotube supported Ga@PdAgCo anode catalysts for hydrazine electrooxidation in alkaline media**
KAYA Ş., Caglar A., DEMİR KIVRAK H.
FUEL, vol.324, 2022 (SCI-Expanded)

42. **Fabrication of novel palladium-platinum based graphene/ITO electrodes and third metal addition effect through the glucose electrooxidation**
Caglar A., Avci Hansu T., Sahin O., DEMİR KIVRAK H.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.918, 2022 (SCI-Expanded)

43. **Biomass-based metal-free catalyst as a promising supercapacitor electrode for energy storage**
KARAKAŞ D. E., Akdemir M., Imanova G. T., DEMİR KIVRAK H., Horoz S., KAYA M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.22, pp.18111-18123, 2022 (SCI-Expanded)

44. **The effect of titanium dioxide-supported CdSe photocatalysts enhanced for photocatalytic glucose electrooxidation under UV illumination**
Caglar A., DEMİR KIVRAK H., Aktaş N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.49, pp.21130-21145, 2022 (SCI-Expanded)

45. **Optimization of Electrode Preperation Conditions for Enhanced Glucose Electrooxidation on Pt/CNT by Response Surface Methodology**
KAYA Ş., Ulaş B., Er O. F., Yılmaz Y., DEMİR KIVRAK H.

JOURNAL OF ELECTRONIC MATERIALS, vol.51, no.6, pp.2971-2981, 2022 (SCI-Expanded)

46. **Synthesis of Novel Artemisinin Derivatives and Their Electrochemical Properties**
Esen M., Kavak E., Ozok-Arici Ö., Ulas B., Demir Kıvrak H., Kivrak A.
CHEMISTRYSELECT, vol.7, no.19, 2022 (SCI-Expanded)

47. **Synthesis and characterization of 4-(2-(4-methoxyphenyl)benzo[b] thiophen-3-yl)benzaldehyde for carbohydrate antigen 125 electrochemical detection and molecular docking modeling**
DEMİR KIVRAK H., Er O. F., Ozok Ö., Çelik S., KIVRAK A.
MATERIALS CHEMISTRY AND PHYSICS, vol.281, 2022 (SCI-Expanded)

48. **Comparative investigation of multi-walled carbon nanotube modified diesel fuel and biogas in dual fuel mode on combustion, performance, and emission characteristics**
Atelge M., Arslan E., Krisa D., Al-Samaraae R., Abut S., Ünalan S., Atabani A., Kahraman N., Akansu S. O., Kaya M., et al.
FUEL, vol.313, 2022 (SCI-Expanded)

49. **Glucose Electrooxidation Study on 3-iodo-2-(aryl/alkyl)benzo[b]thiophene Organic Catalyst**
Ozok-Arici Ö., KAYA Ş., Caglar A., DEMİR KIVRAK H., KIVRAK A.
JOURNAL OF ELECTRONIC MATERIALS, vol.51, no.4, pp.1653-1662, 2022 (SCI-Expanded)

50. **Hydrazine electrooxidation activities of novel carbon nanotube supported Tin modified Palladium nanocatalysts**
Er O. F., Cavak A., Aldemir A., DEMİR KIVRAK H.
SURFACES AND INTERFACES, vol.28, 2022 (SCI-Expanded)

51. **Indole-based novel organic anode catalyst for glucose electrooxidation**
Hamad A. R., Çalış H., Çağlar A., Demir Kıvrak H., Kıvrak A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.2, pp.1659-1671, 2022 (SCI-Expanded)

52. **A novel electrochemical sensor for monitoring ovarian cancer tumor protein CA 125 on benzothiophene derivative based electrodes**
Er O. F., DEMİR KIVRAK H., Ozok Ö., Çelik S., KIVRAK A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.904, 2022 (SCI-Expanded)

53. **Highly Active RuPd Bimetallic Catalysts for Sodium Borohydride Electrooxidation and Hydrolysis**
KAYA Ş., Yilmaz Y., Er O. F., Alpaslan D., Ulaş B., Dudu T. E., DEMİR KIVRAK H.
JOURNAL OF ELECTRONIC MATERIALS, vol.51, no.1, pp.403-411, 2022 (SCI-Expanded)

54. **Novel cnt supported molybdenum catalyst for detection of l-cysteine in its natural environment**
Selçuk K., DEMİR KIVRAK H., Aktaş N.
Catalysts, vol.11, no.12, 2021 (SCI-Expanded)

55. **A double-functional carbon material as a supercapacitor electrode and hydrogen production: Cu-doped tea factory waste catalyst**
Ozarslan S., Atelge M. R., DEMİR KIVRAK H., Horoz S., Yavuz C., Kaya M., ÜNALAN S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.24, pp.28909-28918, 2021 (SCI-Expanded)

56. **Tailoring Cadmium Composition on Titanium Dioxide to Achieve Enhanced Photocatalytic Glucose Fuel Cell Anode Performance**
Caglar A., Aktaş N., DEMİR KIVRAK H.
ACS Applied Energy Materials, vol.4, pp.12298-12309, 2021 (SCI-Expanded)

57. **A Critical Overview of the State-of-the-Art Methods for Biogas Purification and Utilization Processes**
Atelge M. R., Senol H., Djaafri M., Hansu T. A., Krisa D., Atabani A., Eskicioglu C., Muratcobanoglu H., ÜNALAN S., Kalloum S., et al.
SUSTAINABILITY, vol.13, no.20, 2021 (SCI-Expanded)

58. **Remarkable activity of a ZnPdPt anode catalyst: Synthesis, characterization, and formic acid fuel cell performance**
Caglar A., Cogenli M. S., BAYRAKÇEKEN YURTCAN A., Alal O., Kivrak H.
Journal of Physics and Chemistry of Solids, vol.156, 2021 (SCI-Expanded)

59. **Superior formic acid electrooxidation activity on carbon nanotube-supported binary Pd nanocatalysts prepared via sequential sodium borohydride reduction technique**

Caglar A., Kivrak H.
Surface and Interface Analysis, vol.53, pp.716-726, 2021 (SCI-Expanded)

60. **Nanostructured electrochemical cysteine sensor based on carbon nanotube supported Ru, Pd, and Pt catalysts**
Kivrak H., Selçuk K., Er O. F., Aktaş N.
Materials Chemistry and Physics, vol.267, 2021 (SCI-Expanded)

61. **Design of 2-(4-(2-pentyllbenzo[b]thiophen-3-yl)benzylidene)malononitrile based remarkable organic catalyst towards hydrazine electrooxidation**
Faruk Er O., Ulaş B., Ozok Ö., Kivrak A., Kivrak H.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.888, 2021 (SCI-Expanded)

62. **Disentangling the enhanced catalytic activity on Ga modified Ru surfaces for sodium borohydride electrooxidation**
Ulaş B., Alpaslan D., Yilmaz Y., Dudu T. E., Er O. F., Kivrak H.
Surfaces and Interfaces, vol.23, 2021 (SCI-Expanded)

63. **Fabrication of Carbon-Doped Titanium Dioxide Nanotubes as Anode Materials for Photocatalytic Glucose Fuel Cells**
Caglar A., Kivrak H., Aktaş N., Solak A. O.
Journal of Electronic Materials, vol.50, no.4, pp.2242-2253, 2021 (SCI-Expanded)

64. **Untangling the cobalt promotion role for ruthenium in sodium borohydride dehydrogenation with multiwalled carbon nanotube-supported binary ruthenium cobalt catalyst**
Avci Hansu T., Sahin O., Çağlar A., Demir Kivrak H.
International Journal of Energy Research, vol.45, no.4, pp.6054-6066, 2021 (SCI-Expanded)

65. **A novel experimental and density functional theory study on palladium and nitrogen doped few layer graphene surface towards glucose adsorption and electrooxidation**
Caglar A., Düzenli D., ÖNAL I., Tezsevin I., Sahin O., Kivrak H.
Journal of Physics and Chemistry of Solids, vol.150, 2021 (SCI-Expanded)

66. **A comparative analysis for anti-viral drugs: Their efficiency against SARS-CoV-2**
Kivrak A., Ulaş B., Kivrak H.
International Immunopharmacology, vol.90, 2021 (SCI-Expanded)

67. **Remarkable bismuth-gold alloy decorated on MWCNT for glucose electrooxidation: the effect of bismuth promotion and optimization via response surface methodology**
Er O. F., Ulaş B., Demir Kıvrak H.
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.4, pp.1173-1189, 2021 (SCI-Expanded)

68. **Electrochemical Cysteine Sensor on Novel Ruthenium Based Ternary Catalyst**
Kivrak H., Selçuk K., Er O. F., Aktaş N.
International Journal of Electrochemical Science, vol.16, pp.1-17, 2021 (SCI-Expanded)

69. **A remarkable Mo doped Ru catalyst for hydrogen generation from sodium borohydride: the effect of Mo addition and estimation of kinetic parameters**
Avci Hansu T., Sahin O., Caglar A., Kivrak H.
Reaction Kinetics, Mechanisms and Catalysis, vol.131, no.2, pp.661-676, 2020 (SCI-Expanded)

70. **Enhanced electrochemical glucose oxidation in alkaline solution over indium decorated carbon supported palladium nanoparticles**
Er O. F., Caglar A., Kivrak H.
Materials Chemistry and Physics, vol.254, 2020 (SCI-Expanded)

71. **Novel benzothiophene based catalyst with enhanced activity for glucose electrooxidation**
Ozok Ö., Kavak E., Er O. F., Kivrak H., Kivrak A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.53, pp.28706-28715, 2020 (SCI-Expanded)

72. **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., Yildiz F., Er Ö. F., Kivrak H.
Frontiers in Energy, vol.14, no.3, pp.578-589, 2020 (SCI-Expanded)

73. **Electrochemical sensor investigation of carbon-supported PdCoAg multimetal catalysts using sugar-containing beverages**
Salman F., Kazici H. C., Kivrak H.
Frontiers of Chemical Science and Engineering, vol.14, no.4, pp.629-638, 2020 (SCI-Expanded)
74. **Synthesis of Ferrocene Based Naphthoquinones and its Application as Novel Non-enzymatic Hydrogen Peroxide**
Ertas N. A., Kavak E., Salman F., Kazici H. C., Kivrak H., Kivrak A.
Electroanalysis, vol.32, no.6, pp.1178-1185, 2020 (SCI-Expanded)
75. **Tailoring the metallic composition of Pd, Pt, and Au containing novel trimetallic catalysts to achieve enhanced formic acid electrooxidation activity**
Ulaş B., Caglar A., Kivrak A., Aktaş N., Kivrak H.
Ionics, vol.26, no.6, pp.3109-3121, 2020 (SCI-Expanded)
76. **Effective carbon nanotube supported metal (M=Au, Ag, Co, Mn, Ni, V, Zn) core Pd shell bimetallic anode catalysts for formic acid fuel cells**
Caglar A., Cogenli M. S., BAYRAKÇEKEN YURTCAN A., Kivrak H.
Renewable Energy, vol.150, pp.78-90, 2020 (SCI-Expanded)
77. **Novel carbon nanotube supported Co@Ag@Pd formic acid electrooxidation catalysts prepared via sodium borohydride sequential reduction method**
Er O. F., Caglar A., Ulaş B., Kivrak H., Kivrak A.
Materials Chemistry and Physics, vol.241, 2020 (SCI-Expanded)
78. **A comparative experimental and density functional study of glucose adsorption and electrooxidation on the Au-graphene and Pt-graphene electrodes**
Caglar A., Düzenli D., ÖNAL I., Tezsevin I., Sahin O., Kivrak H.
International Journal of Hydrogen Energy, vol.45, no.1, pp.490-500, 2020 (SCI-Expanded)
79. **Hydrolysis and electrooxidation of sodium borohydride on novel CNT supported CoBi fuel cell catalyst**
Hansu T. A., Caglar A., Sahin O., Kivrak H.
Materials Chemistry and Physics, vol.239, 2020 (SCI-Expanded)
80. **Towards more active and stable PdAgCr electrocatalysts for formic acid electrooxidation: The role of optimization via response surface methodology**
Ulaş B., Caglar A., Yılmaz Ş., Ecer U., Yilmaz Y., Şahan T., Kivrak H.
International Journal of Energy Research, vol.43, no.15, pp.8985-9000, 2019 (SCI-Expanded)
81. **Synthesis of in situ N-, S-, and B-doped few-layer graphene by chemical vapor deposition technique and their superior glucose electrooxidation activity**
Caglar A., Ulaş B., Sahin O., Kıvrak H.
International Journal of Energy Research, vol.43, no.14, pp.8204-8216, 2019 (SCI-Expanded)
82. **Synthesis and characterization of Co, Zn, Mn, V modified Pd formic acid fuel cell anode catalysts**
Caglar A., Ulaş B., Cogenli M. S., BAYRAKÇEKEN YURTCAN A., Kivrak H.
Journal of Electroanalytical Chemistry, vol.850, 2019 (SCI-Expanded)
83. **Dendrimer Templated Synthesis of Carbon Nanotube Supported PdAu Catalyst and its Application as Hydrogen Peroxide Sensor**
Alal O., Caglar A., Kivrak H., Sahin O.
Electroanalysis, vol.31, no.9, pp.1646-1655, 2019 (SCI-Expanded)
84. **Carbon monoxide and formic acid electrooxidation study on Au decorated Pd catalysts prepared via microwave assisted polyol method**
Ulaş B., Kivrak A., Aktaş N., Kivrak H.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.27, no.7, pp.545-552, 2019 (SCI-Expanded)
85. **Determination of optimum Pd:Ni ratio for PdxNi100-x/CNTs formic acid electrooxidation catalysts synthesized via sodium borohydride reduction method**
Ulaş B., Caglar A., Kivrak H.
International Journal of Energy Research, vol.43, no.8, pp.3436-3445, 2019 (SCI-Expanded)

86. **Development of Nonenzymatic Benzoic Acid Detection on PdSn/GCE/Vulcan XC-72R Prepared via Polyol Method**
Kazıcı H. Ç., Yayla M., Ulaş B., Aktaş N., Kivrak H.
Electroanalysis, vol.31, no.6, pp.1118-1124, 2019 (SCI-Expanded)
87. **Highly active carbon nanotube supported PdAu alloy catalysts for ethanol electrooxidation in alkaline environment**
Caglar A., Kivrak H.
International Journal of Hydrogen Energy, vol.44, no.23, pp.11734-11743, 2019 (SCI-Expanded)
88. **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)
89. **Atomic molar ratio optimization of carbon nanotube supported PdAuCo catalysts for ethylene glycol and methanol electrooxidation in alkaline media**
Ulaş B., Caglar A., Kivrak A., Kivrak H.
Chemical Papers, vol.73, no.2, pp.425-434, 2019 (SCI-Expanded)
90. **3-Acrylamidopropyl-trimethylammoniumchloride cationic hydrogel modified graphite electrode and its superior sensitivity to hydrogen peroxide**
Caglar A., Kazıcı H. Ç., Alpaslan D., Yılmaz Y., Kivrak H., Aktaş N.
Fullerenes Nanotubes and Carbon Nanostructures, vol.27, no.9, pp.736-745, 2019 (SCI-Expanded)
91. **Composition dependent activity of PdAgNi alloy catalysts for formic acid electrooxidation**
Ulaş B., Caglar A., Sahin O., Kivrak H.
Journal of Colloid and Interface Science, vol.532, pp.47-57, 2018 (SCI-Expanded)
92. **Alcohol electrooxidation study on carbon nanotube supported monometallic, Pt, Bi, and Ru catalysts**
Çağlar A., Aldemir A., Kivrak H.
Fullerenes Nanotubes and Carbon Nanostructures, vol.26, no.12, pp.863-870, 2018 (SCI-Expanded)
93. **A complementary study on novel PdAuCo catalysts: Synthesis, characterization, direct formic acid fuel cell application, and exergy analysis**
Kivrak H., Atbas D., Alal O., Çögenli M. S., Bayrakceken A., Mert S. O., Sahin O.
International Journal of Hydrogen Energy, pp.21886-21898, 2018 (SCI-Expanded)
94. **Microstructured prealloyed Titanium-Nickel powder as a novel nonenzymatic hydrogen peroxide sensor**
Çelik Kazıcı H., Caglar A., Aydoğmuş T., Aktaş N., Kivrak H.
Journal of Colloid and Interface Science, vol.530, pp.353-360, 2018 (SCI-Expanded)
95. **Synthesis of tetracyanoethylene-substituted ferrocene and its device properties**
Kivrak A., Zobi C., Torlak Y., Çamlısoy Y., Kuş M., Kivrak H.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.10, 2018 (SCI-Expanded)
96. **A novel Central Composite Design based response surface methodology optimization study for the synthesis of Pd/CNT direct formic acid fuel cell anode catalyst**
Caglar A., Şahan T., Cogenli M. S., BAYRAKÇEKEN YURTCAN A., Aktaş N., Kivrak H.
International Journal of Hydrogen Energy, vol.43, no.24, pp.11002-11011, 2018 (SCI-Expanded)
97. **Synthesis, characterization, and enhanced formic acid electrooxidation activity of carbon supported MnOx promoted Pd nanoparticles**
Bulut A., Yurderi M., Alal O., Kivrak H., Kaya M., Zahmakıran M.
Advanced Powder Technology, vol.29, no.6, pp.1409-1416, 2018 (SCI-Expanded)
98. **Synthesis, characterization, and voltammetric hydrogen peroxide sensing on novel monometallic (Ag, Co/MWCNT) and bimetallic (AgCo/MWCNT) alloy nanoparticles**
Kazici H. C., Salman F., Caglar A., Kivrak H., Aktaş N.
Fullerenes Nanotubes and Carbon Nanostructures, vol.26, no.3, pp.145-151, 2018 (SCI-Expanded)
99. **Synthesis and characterization of novel Ti doped hexagonal mesoporous silica catalyst for nonenzymatic hydrogen peroxide oxidation**

Düzenli D., Sahin Ö., Kazıcı H. Ç., Aktaş N., Kivrak H.
Microporous and Mesoporous Materials, vol.257, pp.92-98, 2018 (SCI-Expanded)

100. **Synthesis and solar-cell applications of novel furanyl-substituted anthracene derivatives**
Kivrak A., Er Ö. F., Kivrak H., Topal Y., Kuş M., Çamlısoy Y.
OPTICAL MATERIALS, vol.73, pp.206-212, 2017 (SCI-Expanded)

101. **Synthesis of thiophenyl-substituted unsymmetrical anthracene derivatives and investigation of their electrochemical and electrooptical properties**
Kivrak A., Çalış H., Topal Y., Kivrak H., Kuş M.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.161, pp.31-37, 2017 (SCI-Expanded)

102. **Synthesis of Pd-Ni/C bimetallic materials and their application in non-enzymatic hydrogen peroxide detection**
Kazici H. C., Salman F., Kivrak H.
Materials Science- Poland, vol.35, no.3, pp.660-666, 2017 (SCI-Expanded)

103. **Surface Characterization Techniques**
Erdogan G., Guler G., Kilic T., Kilic D. O., Erdogan B., Tosun Z., Kivrak H., Turkan U., Ozcan F., Gursoy M., et al.
SURFACE TREATMENTS FOR BIOLOGICAL, CHEMICAL, AND PHYSICAL APPLICATIONS, pp.67-114, 2017 (SCI-Expanded)

104. **Atomic layer deposition-SiO2 layers protected PdCoNi nanoparticles supported on TiO2 nanopowders: Exceptionally stable nanocatalyst for the dehydrogenation of formic acid**
Caner N., Bulut A., Yurderi M., Ertas I. E., Kivrak H., Kaya M., Zahmakıran M.
Applied Catalysis B: Environmental, vol.210, pp.470-483, 2017 (SCI-Expanded)

105. **Facile and Rapid Synthesis of Microwave Assisted Pd Nanoparticles as Non-Enzymatic Hydrogen Peroxide Sensor**
Sahin O., Kivrak H., Kivrak A., Kazici H. Ç., Alal O., Atbas D.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.12, no.1, pp.762-769, 2017 (SCI-Expanded)

106. **An ethanol electrooxidation study on carbon-supported Pt-Ru nanoparticles for direct ethanol fuel cells**
Sahin O., Duzenli D., Kivrak H.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.38, no.5, pp.628-634, 2016 (SCI-Expanded)

107. **PdAu-MnOx nanoparticles supported on amine-functionalized SiO2 for the room temperature dehydrogenation of formic acid in the absence of additives**
Karataş Y., Bulut A., Yurderi M., Ertas I. E., Alal O., Gülcan M., Çelebi M., Kivrak H., Kaya M., Zahmakıran M.
Applied Catalysis B: Environmental, vol.180, pp.586-595, 2016 (SCI-Expanded)

108. **MnO_x-Promoted PdAg Alloy Nanoparticles for the Additive-Free Dehydrogenation of Formic Acid at Room Temperature**
Bulut A., Yurderi M., Karataş Y., Say Z., Kivrak H., Kaya M., Gülcan M., Ozensoy E., Zahmakıran M.
ACS CATALYSIS, no.10, pp.6099-6110, 2015 (SCI-Expanded)

109. **Efficient and rapid microwave-assisted route to synthesize Pt-MnO_x hydrogen peroxide sensor**
Kivrak H., Alal O., Atbas D.
ELECTROCHIMICA ACTA, pp.497-503, 2015 (SCI-Expanded)

110. **Pd-MnO_x nanoparticles dispersed on amine-grafted silica: Highly efficient nanocatalyst for hydrogen production from additive-free dehydrogenation of formic acid under mild conditions**
Bulut A., Yurderi M., Karataş Y., Zahmakıran M., Kivrak H., Gülcan M., Kaya M.
APPLIED CATALYSIS B-ENVIRONMENTAL, pp.324-333, 2015 (SCI-Expanded)

111. **The effect of temperature and concentration for methanol electrooxidation on Pt-Ru catalyst synthesized by microwave assisted route**
Kivrak H.
TURKISH JOURNAL OF CHEMISTRY, no.3, pp.563-575, 2015 (SCI-Expanded)

112. **Methanol Electrooxidation Study on Mesoporous Silica Supported Pt-Co Direct Methanol Fuel Cell Anode**
Kivrak H., Can M., Duru H., Sahin O.
INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, no.1, 2014 (SCI-Expanded)
113. **In Vitro Determination of 6PGD Enzyme Activity Purified from Lake Van Fish (Chalcalburnus tarichii Pallas, 1811) Liver Exposed to Pesticides**
Güler M., Kıvanç M. R., Türkoğlu V., Basi Z., Kivrak H.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, no.5, pp.560-564, 2013 (SCI-Expanded)
114. **A comparative study of electrochemical methods on Pt-Ru DMFC anode catalysts: The effect of Ru addition**
Sahin O., Kivrak H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, no.2, pp.901-909, 2013 (SCI-Expanded)
115. **Carbon nanotube structures as support for ethanol electro-oxidation catalysis**
Kivrak H., Kuliyev S., Tempel H., Schneider J., ÜNER D.
International Journal of Chemical Reactor Engineering, vol.9, 2011 (SCI-Expanded)
116. **Determination of the dispersion of supported Pt particles by gas-phase and liquid-phase measurements**
Kivrak H., Mastalir Á., Király Z., ÜNER D.
CATALYSIS COMMUNICATIONS, no.6, pp.1002-1005, 2009 (SCI-Expanded)
117. **Liquid chromatography as a novel method for determination of the dispersion of supported Fd particles**
Király Z., Mastalir Á., Császár Á., Demir H., ÜNER D., Findenegg G. H.
JOURNAL OF CATALYSIS, no.2, pp.267-271, 2007 (SCI-Expanded)

Articles Published in Other Journals

1. **Investigation of the performance of (4-(3-iodobenzo[b]thiophen-2-yl)-N,N-dimethyllaniline as an anode catalyst for glucose electrooxidation**
Özok Arıcı Ö., Kaya Ş., Çağlar A., Demir Kıvrak H., Kıvrak A.
Manas Journal of Engineering, vol.11, no.2, pp.216-222, 2023 (Peer-Reviewed Journal)
2. **Novel CA-125 antigen determination in serum by electrochemical methods with onion oil-containing organo-hydrogels**
ER Ö. F., ALPASLAN D., DUDU T. E., KIVRAK H.
Manas Journal of Engineering, vol.11, no.1, pp.124-135, 2023 (Peer-Reviewed Journal)
3. **Sociological Perspective of Trust in Islamic Ethics**
Demir Kıvrak H.
International Journal of Dorlion Academic Social research, vol.1, no.1, pp.1-12, 2023 (Peer-Reviewed Journal)
4. **Carbon nano tube assisted triple metal electrode and high-impact electro sensor for preservative detection in food samples**
Yayla M., Çelik Kazıcı H., DEMİR KIVRAK H.
Materials Research Innovations, 2023 (Scopus)
5. **A REMARKABLE SYNERGIC EFFECT OF POLY (ACRYCLIC ACID) HYDROGEL ANCHORED PD CATALYSTS IN FORMIC ACID ELECTROOXIDATION REACTION**
Khalid S., DEMİR KIVRAK H., ALPASLAN D., KAYA Ş., AKTAŞ N.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, no.4, pp.275-282, 2022 (ESCI)
6. **SYNTHESIS OF THYMOL DERIVATIVES AND ITS FUEL CELL PERFORMANCE AS AN ANODE CATALYST**
Sharif K. H., Özok Ö., Çağlar A., Demir Kıvrak H., Kıvrak A.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, no.3, pp.51-58, 2022 (ESCI)
7. **The characterization and sodium borohydride electrooxidation of novel carbon nanotube supported copromoted Pd as anode catalyst for fuel cell**

ÇAĞLAR A., AVCI HANSU T., ŞAHİN Ö., DEMİR KIVRAK H.
ENERGY STORAGE, no.2, 2022 (ESCI)

8. **The preparation, characterization, and electrooxidation of colloidal palladium modified poly(methacrylic acid) hydrogel as formic acid fuel cell anode catalyst**
Demir Kıvrak H., Khalid S., Çağlar A., Alpaslan D., Selçuk K., Dudu T. E., Aktaş N.
ENERGY STORAGE, vol.4, no.1, 2022 (ESCI)
9. **Highly active carbon nanotube supported iridium, copper, ruthenium catalysts for glucose electrooxidation**
Er O. F., DEMİR KIVRAK H.
ENERGY STORAGE, no.6, 2021 (ESCI)
10. **Ruthenium modified defatted spent coffee catalysts for supercapacitor and methanolysis application**
Akdemir M., Hansu T. A., Çağlar A., Kaya M., Demir Kıvrak H.
ENERGY STORAGE, no.4, 2021 (ESCI)
11. **Structure of ruthenium nanocatalysts of bismuth, investigation of its effect on hydrolysis performance and kinetic studies**
Avci Hansu T., Caglar A., DEMİR KIVRAK H., ŞAHİN Ö.
ENERGY STORAGE, 2021 (ESCI)
12. **Electrochemical evaluation of the hydroxyapatite coating synthesized on the AZ91 by electrophoretic deposition route**
Tazeh Kand A. J., Afaghi F., Taghizadeh Tabrizi A., Aghajani H., Demir Kıvrak H.
Synthesis and Sintering, vol.1, no.2, pp.85-91, 2021 (Peer-Reviewed Journal)
13. **PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE: A REVIEW ON MODIFIED TITANIUM DIOXIDE**
DEMİR KIVRAK H., Saleh D. I.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, no.2, pp.269-276, 2021 (ESCI)
14. **Investigation of hydrazine electrooxidation performance of carbon nanotube supported Pd monometallic direct hydrazine fuel cell anode catalysts**
Er O. F., Ali C., Aldemir A., Demir Kıvrak H.
Manas Journal of Engineering, vol.8, no.2, pp.90-98, 2020 (Peer-Reviewed Journal)
15. **Carbon nanotube supported direct borohydride fuel cell anodecatalysts: the effect of catalyst loading**
Demir Kıvrak H., Caglar A., Hansu T. A., Şahin Ö.
Manas Journal of Engineering, vol.8, no.1, pp.1-10, 2020 (Peer-Reviewed Journal)
16. **A COMPARATIVE STUDY FOR SODIUM BOROHYDRIDE DEHYDROGENATION AND ELECTROOXIDATION ON CERIUM AND COBALT CATALYSTS**
Hansu T. A., Caglar A., Şahin Ö., Demir Kıvrak H.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, no.2, pp.389-400, 2020 (ESCI)
17. **A Review of Pd Based Multimetallic Anode Electrocatalysts for Direct Formic Acid Fuel Cells**
Ulaş B., Demir Kıvrak H.
General Chemistry, vol.6, pp.190028, 2020 (Peer-Reviewed Journal)
18. **Yüksek Aktiviteye Sahip CNT Destekli Pd-Zn Katalizörünün Formik AsitElektrooksitlenme Aktivitesinin İncelenmesi**
Yılmaz Y., Er Ö. F., Ulaş B., Demir Kıvrak H.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.2, pp.125-132, 2019 (Peer-Reviewed Journal)
19. **Few-layer graphene coated on indium tin oxide electrodes prepared by chemical vapor deposition and their enhanced glucose electrooxidation activity**
Çağlar A., Ulaş B., Gökdoğan Şahin Ö., Demir Kıvrak H.
ENERGY STORAGE, no.4, 2019 (ESCI)
20. **Electrochemical production of Graphene Oxide and its application as a novel Hydrogen Peroxide sensor**
Kivrak H., Aktaş N., Caglar A.

INTERNATIONAL JOURNAL OF NANO DIMENSION, vol.10, no.3, pp.252-259, 2019 (ESCI)

21. **Karbon Destekli Pd Nanokatalizörü Üzerinde Elektrooksitlenme Parametrelerinin İncelenmesi**
Yılmaz Y., Yurdidül M., Çağlar A., Ulaş B., Demir Kıvrak H.
Yüzüncü Yıl ÜniversitesiFen Bilimleri Enstitüsü Dergisi, vol.1, no.1, pp.19-25, 2019 (Peer-Reviewed Journal)

22. **CNT Destekli Pd, Sn, Ir Tekmetalli Katalizörlerinin Metanol, Etanol, Etilen Glikol Elektrooksitlenme Aktivitesinin Araştırılması**
Cavak A., Caglar A., Aldemir A., Demir Kıvrak H.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.2, pp.115-124, 2019 (Peer-Reviewed Journal)

23. **A novel study on the stepwise electrodeposition approach for the synthesis of Pd based nanoparticles, characterization and their enhanced electrooxidation activities**
Avcı Ç., Çicek F., Çelik Kazıcı H., Kıvrak A., Demir Kıvrak H.
INTERNATIONAL JOURNAL OF NANO DIMENSION, no.1, pp.15-23, 2018 (ESCI)

24. **A MINI REVIEW ON HEALTH AND ENVIRONMENTAL RISKS OF OIL AND GAS INDUSTRY UNDESIRED PRODUCTS: HYDROGEN SULFIDE AND CARBON MONOXIDE**
Bakr R. A., Ulaş B., Kivrak H.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, no.4, pp.883-894, 2017 (ESCI)

25. **RISK LEVEL INVESTIGATION OF HYDROGEN SULFIDE AND CARBON MONOXIDE FROM REFINERY IN ERBIL**
Bakr R. A., Kivrak H.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, no.3, pp.619-634, 2017 (ESCI)

26. **Doğrudan Metanol Yakıt Pili Karbon Destekli Pt-Ru Anot Katalizörlerinin Sıralı İndirgeme Yöntemi ile Sentezi ve Geliştirilmesi**
Demir Kıvrak H., Ulaş B.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.1, 2017 (Peer-Reviewed Journal)

27. **Synthesis and Characterization of Carbon Nanotube Supported Pt-Au Catalyst and Its Microwave Assisted N-Hexane Decomposition Measurements**
Muhammed Ali S., Çağlar A., Demir Kıvrak H., Kıvrak A.
Nanoscience and Nanotechnology Research, vol.4, no.4, pp.132-134, 2017 (Peer-Reviewed Journal)

28. **Microwave Assisted Synthesis of Sn Promoted Pt Catalysts and Their Ethanol Electro oxidation Activities**
Atbas D., Caglar A., Demir Kıvrak H., Kıvrak A.
American Journal of Nanomaterials, vol.4, no.1, pp.8-11, 2016 (Peer-Reviewed Journal)

29. **The Effect of Iridium Addition to Platinum on the Alcohol Electrooxidation Activity**
SAHİN O., DEMİR KIVRAK H., KARAMAN M., ATBAŞ D.
American Journal of Materials Science and Engineering, vol.3, no.1, pp.15-20, 2015 (Peer-Reviewed Journal)

30. **ELECTROCATALYTIC PROPERTIES OF NANOSTRUCTURED MULTIMETALLIC Pt Sn Cs C AND Pt M C M Ag Ca Cd Cs Cu Fe Ir Mg Pd Sn Zr DIRECT ETHANOL FUEL CELL CATALYSTS**
Demir Kıvrak H., Demir N. C., Sahin O.
Selçuk Üniversitesi Mühendislik Bilim ve teknoloji dergisi, vol.1, no.2, pp.19-28, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

1. **Metal-free catalysts for fuel cell applicatio**
Demir Kıvrak H., Ulaş B., Yağızatlı Y.
in: Carbon-Based Metal Free Catalysts: Preparation, Structural and Morphological Property and Application, Abdullah Mohammed Asiri,Anish Khan,Showkat Bhawani,Bahaa Abu-Zied,Suchart Siengchin,Hurija Dzudzevic-Cancar, Editor, Elsevier Science, Oxford/Amsterdam , Arizona, pp.1-290, 2022

2. **Metal-free catalysts for hydrogen production**
Demir Kıvrak H., Avcı Hansu T., Caglar A.
in: Carbon-Based Metal Free Catalysts: Preparation, Structural and Morphological Property and Application,

Abdullah Mohammed Asiri,Anish Khan,Showkat Bhawani,Bahaa Abu-Zied,Suchart Siengchin,Hurija Dzudzevic-Cancar, Editor, Elsevier Science, Oxford/Amsterdam , Van, pp.1-290, 2022

3. **Carbon Composites as Metal-Free Catalysts**
   KAYA Ş., ÇAĞLAR A., AVCI HANSU T., ULAŞ B., Khan A., DEMİR KIVRAK H.
   in: Carbon Composite Catalysts, , Editor, Springer, pp.131-169, 2022
4. **Electrocatalysis Based on Carbon Composite Catalysts**
   ULAŞ B., KAYA Ş., ÇAĞLAR A., ÖZOK Ö., Hama Sharif K., KAVAK E., KIVRAK A., Khan A., DEMİR KIVRAK H.
   in: Carbon Composite Catalysts, , Editor, Springer, pp.371-405, 2022
5. **Chapter 7: Direct formic acid and formate fuel cells (DF (A) FCs)**
   Ulaş B., Demir Kıvrak H.
   in: Direct Liquid Fuel CellsFundamentals, Advances and Future, Ramiz Gültekin Akay Ayşe bayrakçeken Yurtcan, Editor, Academic Press , New York, pp.149-168, 2021
6. **Chapter 6 - Introduction to other organic fuel-based fuel cells**
   Ulaş B., Demir Kıvrak H.
   in: Direct Liquid Fuel CellsFundamentals, Advances and Future, Ramiz Gültekin Akay Ayşe Bayrakçeken Yurtcan, Editor, Academic Press , New York, pp.137-145, 2021
7. **Yakıt Pili Katalizörleri**
   Demir Kıvrak H. (Editor)
   Gece Publishing, Ankara, 2019
8. **Bölüm 3: Yakıt Pili Katalizörlerinin Sentezi ve Karakterizasyonu**
   Çelik Kazıcı H., Ulaş B., Demir Kıvrak H.
   in: Yakıt Pili Katalizörleri, Hilal Demir Kıvrak, Editor, Gece Publishing, Ankara, pp.37-99, 2019
9. **Bölüm 1: Yakıt Pillerine Giriş**
   Şahin Ö. G., Ulaş B., Demir Kıvrak H.
   in: Yakıt Pili Katalizörleri, Hilal Demir Kıvrak, Editor, Gece Publishing, Ankara, pp.1-37, 2019
10. **Bölüm 2: Yakıt Pili Katalizörleri**
    Sahin O. G., Ulaş B., Çağlar A., Demir Kıvrak H., Aktaş N.
    in: Yakıt Pili katalizörleri, Hilal Demir Kıvrak, Editor, Gece Publishing, Ankara, pp.13-37, 2019
11. **Chemical and Physical Modification of Surfaces**
    Karaman M., Gürsoy M., Kuş M., Özel F., Yenel E., Şahin Ö., Demir Kıvrak H.
    in: Surface Treatments for Biological Chemical and Physical Applications, Mustafa Karaman,Mehmet Gürsoy, Editor, Academic Press , New York, pp.23-60, 2017
12. **Surface Characterization Techniques**
    Erdoğan G., Güler G., Kılıç T., O Kılıç D., Erdoğan B., Demir Kıvrak H., Gürsoy M., Karaman M.
    in: Surface Treatments for Biological Chemical and Physical Applications, Mustafa Karaman,Mehmet Gürsoy, Editor, Academic Press , New York, pp.67-108, 2017

Refereed Congress / Symposium Publications in Proceedings

1. **Synthesis Of Pd/PEG-Cellulose Electrocatalyst for Improved Glucose Electrooxidation Activity**
   ULAŞ B., YILMAZ Y., GÖK Ö., DEMİR KIVRAK H.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 6 October - 08 December 2023
2. **Investigation of Indole Derivatives as Anode Catalyst for Hydrazine Electrooxidation**
   Çalış H., ULAŞ B., Yılmaz Y., DEMİR KIVRAK H., KIVRAK A.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 6 - 08 October 2023
3. **Production of Composite Electrode Material with Wide Operating Voltage in Aqueous Electrolyte for Supercapacitors and its Application in Symmetric Supercapacitor**
   DEMİR B., YAZAR AYDOĞAN S., ÇAĞLAR A., ÖZEROĞLU C., DEMİR KIVRAK H.

The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 6 - 08 October 2023

4. **Use of Activated Carbon Derived from Waste Fabrics as a Catalyst in NaBH4 Methanolysis**
   YILDIZ D., SARIBOĞA E., ALTINAY B. S., DENKTAŞ D., KAYA Ş., DEMİR KIVRAK H., KORKMAZ N.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 06 October 2023
5. **The Synthesis and Characterization of Carbon Nanotube-Supported CuBi Catalyst for H2 production from NaBH4 methanolysis**
   ABBAS M. J., ÇAĞLAR A., DEMİR KIVRAK H.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 06 October 2023
6. **Investigation of Thermo-Alkaline Pretreatment on Anaerobic Digestion of Obtained Defatted Spent Coffee Ground Using Ethanol as Solvent**
   Ilcina İ., Rafil R., ATELGE M. R., AVCI HANSU T., KAYA M., DEMİR KIVRAK H., BÖĞREKCİ İ., YILDIZ Y. Ş., AKANSU S. O., ÜNALAN S., et al.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 06 October 2023
7. **Enhanced Performance of CNT Supported Bimetallic PdM (M=Cr, Ta, Bi, Hf) Catalysts as Anode Electrode for Ammonia Borane Electrooxidation**
   KAYA Ş., ÇAĞLAR A., DEMİR KIVRAK H.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 6 - 08 October 2023
8. **Design of a Highly Effective Organic Catalyst for Hydrazine Electrooxidation: Iodobenzo[b]furan Derivatives**
   Najri B. A., KAYA Ş., KAVAK E., KIVRAK A., DEMİR KIVRAK H.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 06 October 2023
9. **Development of Microbial Fuel Cell and its Optimization with Response Surface Methodology**
   DEMİR KIVRAK H., AKTAŞ N.
   The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 6 - 08 October 2023
10. **Sensitivity Determination of CA125 Ovarium Cancer Markers with New Generation Material-Based Electrochemical Immunosensors**
    DEMİR KIVRAK H.
    The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 6 - 08 October 2023
11. **Investigation of a Novel Electrocatalyst Obtained by Adding Ni to Deffated Spent Coffee Ground (DSCG) for Fuel Cell and Supercapacitor Applications**
    Rafil R., AVCI HANSU T., ATELGE M. R., KAYA M., DEMİR KIVRAK H., BÖĞREKCİ İ., YILDIZ Y. Ş., AKANSU S. O., ÜNALAN S., ATABANI A.
    The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, 06 October 2023
12. **Nanocatalysts For Hydrogen Production: Recent and Innovated Technology**
    Demir Kıvrak H.
    CIMEE'23, 5th International Symposium, Bayrut, Lebanon, 21 - 23 September 2023
13. **Investigation of Electrooxidation and Methanolysis of Sodium Borohydride on Activated Carbon Supported Co Catalysts from Poplar Sawdust**
    ÇAĞLAR A., KAYA Ş., SAKA C., YILDIZ D., DEMİR KIVRAK H.
    7th International Hydrogen Technologies Congress, Elazığ, Turkey, 10 May 2023, pp.71-74
14. **Methanolysis and Electrooxidation of Sodium Borohydride on CNT Supported Pd and Au Bimetallic Catalysts**

KAYA Ş., ÇAĞLAR A., SAKA C., DEMİR KIVRAK H.
7th International Hydrogen Technologies Congress, Elazığ, Turkey, 10 May 2023, pp.75-78

15. **3RD INTERNATIONAL SYMPOSIUM OF SCIENTIFIC RESEARCH AND INNOVATIVE STUDIES**
ALOVN D., YAZAR AYDOĞAN S., ÇAĞLAR A., DEMİR KIVRAK H.
Preparation of New Generation Poly(acrylic acid) Based Composite Electrodes and Supercapacitor Applications, Turkey, 15 - 18 March 2023

16. **Yeni Nesil Poli(akrilikasit) Temelli kompozit Elektrotların Hazırlanması ve Süperkapasitör Uygulamaları**
DEMİR KIVRAK H.
3rd International Symposium of Scientific Research and Innovative Studies (ISSRIS'23), 15 - 18 March 2023

17. **Synthesis of Thymol Derivatives and its Fuel Cell Performance as an Anode Catalyst'**
Hama Sharif K., ÖZOK ARICI Ö., ÇAĞLAR A., DEMİR KIVRAK H., KIVRAK A.
5th International Conference on Alternative Fuels, Energy & Environment: Future and Challenges (ICAFEE 2021), Kayseri, Turkey, 16 October 2021 - 18 October 2020, pp.664

18. **Enhanced Glucose Electrooxıdatıon Actıvıty Wıth Palladıum Doped Benzothıophene Based Catalyst**
KAYA Ş., ÖZOK ARICI Ö., kıdak ş. m., başar h., izmirli s., ÇAĞLAR A., KIVRAK A., DEMİR KIVRAK H.
4.International European Conference On Interdisciplinary Scientific Research, 08 August 2021

19. **Hidrazin Elektrooksidasyon Reaksiyonunda Anot Katalizörleri Olarak Benzotiyofen Türevlerinin Tasarımı, Karakterizasyonu, Performans Analizleri Ve Optimizasyonu, Sözlü Sunum**
ER Ö. F., ULAŞ B., ÖZOK ARICI Ö., KIVRAK A., DEMİR KIVRAK H.
14. Ulusal Kimya Mühendisliği Kongresi, Turkey, 10 June 2020

20. **Hidrazin Elektrooksidasyon Reaksiyonunda Anot Katalizörleri Olarak Benzotiyofen Türevlerinin Tasarımı, Karakterizasyonu, Performans Analizleri Ve Optimizasyonu**
ER Ö. F., ULAŞ B., ÖZOK ARICI Ö., KIVRAK A., DEMİR KIVRAK H.
14. Ulusal Kimya Mühendisliği Kongresi, Turkey, 10 June 2020

21. **Effect of Pd addition to PtAu/C catalyst on formic acid electrooxidation**
DEMİR KIVRAK H., ULAŞ B., AKTAŞ N.
13th European Congress on Catalysis, 27 - 31 August 2017

22. **Synthesis and characterization of Pd-M (Co, Mn, Zn) catalysts for formic acid electrooxidation**
DEMİR KIVRAK H., ULAŞ B., AKTAŞ N.
EUROPACAT 2017, 27 - 31 August 2017

23. **Karbon Nanotüp Destekli PdAg Katalizörünün Nano Tasarım ile Sentezi, Karakterizasyonu ve Doğrudan Formik Asit Yakıt Pili Uygulaması**
CAGLAR A., ULAŞ B., DEMİR KIVRAK H., AKTAŞ N.
6. FİZİKSEL KİMYA KONGRESİ, Turkey, 15 - 18 May 2017

24. **Sensitive non-enzymatic glucose sensor based onbimetallic metals**
ÇELİK KAZICI H., Salman F., YAYLA M., DEMİR KIVRAK H.
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017

25. **Highly active non-enzymatic hydrogen peroxide andglucose detection**
ÇELİK KAZICI H., SALMAN F., DEMİR KIVRAK H.
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017

26. **Synthesis and Characterization of PdAgNi/CNTCatalysts for Formic Acid Electrooxidation**
ULAŞ B., DEMİR KIVRAK H., CAGLAR A., ÇELİK KAZICI H.
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017

27. **Synthesis, Characterization and CO PoisoningTolerance of PdAgNi/CNT Catalysts**
ULAŞ B., DEMİR KIVRAK H., CAGLAR A., ÇELİK KAZICI H.
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017

28. **Enhanced formic acid electrooxidation activity on Zinc core Palladium shell catalysts**
CAGLAR A., DEMİR KIVRAK H., SAHİN O.
III. International Conference on Engineering and Natural Sciences (ICENS), 3 - 07 May 2017

29. **Synthesis And Electrochemical Characterization Of The Pdag/CNT Electrocatalyst**

ULAŞ B., CAGLAR A., DEMİR KIVRAK H., AKTAŞ N., ÇELİK KAZICI H.
III. International Conference on Engineering and Natural Sciences (ICENS), 3 - 07 May 2017

30. **Novel CNT supported vanadium core palladium shell formic acid fuel cell anode catalysts**
ULAŞ B., DEMİR KIVRAK H., SAHİN O.
International Conference on Engineering and Natural Sciences (ICENS), 3 - 07 May 2017

31. **Facile fabrication of Pd monometallic and Pd-Co bimetallicnanoparticles for highly sensitive non-enzymatic hydrogen peroxidesensing**
ÇELİK KAZICI H., SALMAN F., CAGLAR A., DEMİR KIVRAK H., AKTAŞ N.
III ıNTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCE, 3 - 07 May 2017

32. **Synthesis Of Sodium Borohydride Based Ag-Co/MWCNTNanocomposites For Applications In Catalysis**
ÇELİK KAZICI H., SALMAN F., CAGLAR A., DEMİR KIVRAK H., AKTAŞ N.
III. International Conference on Engineering and Natural Sciences (ICENS), 3 - 07 May 2017

33. **Pd-based Catalysts for Electrochemical Detection of H2O2**
DEMİR KIVRAK H., SAHİN O., OZKAN E.
III. International Conference on Engineering and Natural Sciences (ICENS), 3 - 07 May 2017

34. **Synthesis Of The Pdagco/CNT For Direct Formic Acid Fuel Cell**
CAGLAR A., ULAŞ B., DEMİR KIVRAK H., AKTAŞ N., ÇELİK KAZICI H.
III. International Conference on Engineering and Natural Sciences (ICENS), 3 - 07 May 2017

35. **The Synthesis And Characterization Of Pd-Based Alloy AnodeCatalysts For Formic Acid Electrooxidation**
DEMİR KIVRAK H., SAHİN O., ALAL O.
III. International Conference on Engineering and Natural Sciences (ICENS), 3 - 07 May 2017

36. **Synthesis and Characterization of NiPd / C Metal Nanocatalysts**
ÇELİK KAZICI H., SALMAN F., DEMİR KIVRAK H.
2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, ANTALYA, TURKEY, 18 - 21 April 2017

37. **Synthesis and Characterization of Carbon Nanotube Supported PdNiAg Direct Alcohol Fuel Cell Catalysts**
DEMİR KIVRAK H., CAGLAR A., ULAŞ B., AKTAŞ N.
2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, ANTALYA, TURKEY, 18 - 21 April 2017

38. **Palladium Based Electrocatalysts for Ethylene Glycol Fuel Cells**
SAHİN O., DEMİR KIVRAK H.
2nd International Hydrogen Technologies Congress, 15 - 18 March 2017

39. **Bimetallic nanoparticles for alcohol oxidation"**
DEMİR KIVRAK H., SAHİN O.
2nd International Hydrogen Technologies Congress, 15 - 18 March 2017

40. **Synthesis and characterization of Novel mesoporous Catalysts**
ÇELİK KAZICI H., DÜZENLİ D., DEMİR KIVRAK H., ŞAHİN Ö.
Internatıonal Engıneerıng, Scıence And Educatıon Group (INESEG 2016), 1 - 03 December 2016

41. **Şahin Ö Kıvrak H D Kıvrak A Çelik Kazıcı H Alal O Atbaş D MICROWAVE SYNTHESIZED Pd NANOPARTICLES AND THEIR APPLICATION AS A NON ENZYMATIC HYDROGEN PEROXIDE SENSOR**
ŞAHİN Ö., DEMİR KIVRAK H., KIVRAK A., ÇELİK KAZICI H., ALAL O., Atbaş D.
48th Symposium on Catalysis, Prag, 7 - 09 November 2016

42. **Electrodeposition of CoAuPd nanoparticles on indium tinoxide and investigation of their electroactivity toward the formic acid electrooxidation**
Ulaş B., Avcı Ç., Demir Kıvrak H., Kıvrak A.
International NANOSCIENCE&NANOTECHNOLOGY FOR NEXT GENERATION (NaNoNG 2016) Conference, Antalya, Turkey, 20 - 22 October 2016

43. **Synthesis and characterization of microwave assisted Pd nanoparticles as hydrogen peroxide sensor**

ULAŞ B., ŞAHİN Ö., DEMİR KIVRAK H., KIVRAK A., ÇELİK KAZICI H., ALAL O., ATBAŞ D.
nternational NANOSCIENCE&NANOTECHNOLOGY FOR NEXT GENERATION (NaNoNG 2016) Conference, 20 - 22 October 2016

44. **Electrochemical study of Pd Au Au Pd C core shell nanomaterials for non enzymatichydrogen peroxide sensor**
ÇELİK KAZICI H., DEMİR KIVRAK H.
International Conference on Nanoscience and Nanotechnology for Next Generation(NANONG2016), 20 - 22 October 2016

45. **Electrocatalytic oxidation of ethylene glycol at MPd M Mn Zn core shell and alloy bimetallic catalysts**
ULAŞ B., ŞAHİN Ö., DEMİR KIVRAK H., ÖZKAN E.
International Conference on Nanoscience and Nanotechnology for Next Generation(NANONG2016), 20 - 22 October 2016

46. **MICROWAVE SYNTHESIZED Pd NANOPARTICLES ANDTHEIR APPLICATIONAS A NON ENZYMATIC HYDROGEN PEROXIDE SENSOR**
ŞAHİN Ö., DEMİR KIVRAK H., KIVRAK A., ÇELİK KAZICI H., ALAL O., ATBAŞ D.
48th Symposium on Catalysis, 7 - 09 October 2016

47. **Co PROMOTED Pd Au NANOCATALYSTS AND ITS ENHANCEDALCOHOLELECTROOXIDATION ACTIVITY**
DEMİR KIVRAK H., ULAŞ B., KIVRAK A.
48th Symposium on Catalysis, 7 - 09 October 2016

48. **MICROWAVE ASSISTED SYNTHESIS OF Sn PROMOTED DIRECT ETHANOL FUEL CELL Pt CATALYSTS**
ATBAŞ D., ÇAĞLAR A., DEMİR KIVRAK H., KIVRAK A.
48th Symposium on Catalysis, 7 - 09 October 2016

49. **PD BASED CATALYSTS FOR FUEL CELL APPLICATIONS**
ŞAHİN Ö., ÖZKAN E., DEMİR KIVRAK H., ALAL O., AHMETLİ G.
International Conference on Advanced Technology & Sciences (ICAT'16), 1 - 03 September 2016

50. **SYNTHESIS AND ELECTROCHEMICAL STUDY OF M Pd CCORE SHELLNANOMATERIALS FOR NON ENZYMATIC HYDROGEN PEROXIDE SENSOR**
ÇELİK KAZICI H., SALMAN F., DEMİR KIVRAK H.
2nd International Conferenceon Organic Electronic Material Technologies, 17 - 19 May 2016

51. **SYHNTHESIS AND CHARACTERIZATION OF Ag PROMOTEDPdNANOPARTICLES AND THEIR ENHANCED ETHANOL ELECTROOXIDATIONACTIVITY**
ÇAĞLAR A., ALAL O., DEMİR KIVRAK H., ŞAHİN Ö., KIVRAK A.
Chemistry and ChemicalTechnology, 28 - 29 April 2016

52. **Ni PROMOTED Pd ETHANOL ELECTROOXIDATION CATALYSTS**
KOR Z., ÇAĞLAR A., DEMİR KIVRAK H., KIVRAK A., ŞAHİN Ö.
Chemistry and Chemical Technology, 28 - 29 April 2016

53. **Carbon Supported Pd Ni Nanocatalysts For Ethanol Oxidation In Alkaline Environment**
SALMAN F., ALAL O., DEMİR KIVRAK H., ÇELİK KAZICI H.
Nanotr 11, June 22-25, 2015, ANKARA, Turkey, 22 - 25 June 2015

54. **Enhanced Ethanol Electrooxidation Activity On Carbon Supported Pd Ag Nanoparticles**
SALMAN F., ALAL O., DEMİR KIVRAK H., ÇELİK KAZICI H.
Nanotr 11, June 22-25, 2015, ANKARA, Turkey, 22 - 25 June 2015

55. **Carbon Supported Pd Ni Nanoparticles For Non Enzymatic Hydrogen Peroxide Sensor**
SALMAN F., ALAL O., DEMİR KIVRAK H., ÇELİK KAZICI H.
Nanotr 11, June 22-25, 2015, ANKARA, Turkey, 22 - 25 June 2015

56. **Electrochemical Detection Of Hydrogen Peroxide Based On Pt Mno2 C Nanocomposite**
ALAL O., DEMİR KIVRAK H.
1 St International Congress On Engineering And Natural Science, May 15-19, 2015, 15 - 19 May 2015

57. **Synthesis And Characterization Of Carbon Nanotube Supported Pdau Formic Acid Electrooxidation Anode Catalysts**
ATBAŞ D., ÇİÇEK F., MÜCAHİT T., DEMİR KIVRAK H.

1 St International Congress On Engineering And Natural Science, May 15-19, 2015, 15 - 19 May 2015

58. **Enhanced Formic Acid Electrooxidation Activity Of Carbon Nanotube Supported Coaupd Catalysts**
ALAL O., DEMİR KIVRAK H.
1 St International Congress On Engineering And Natural Science, May 15-19, 2015, 15 - 19 May 2015

59. **Pd ve Pd Au metal katalizörlerinin hidrojen peroksit sensörü olarak kullanılması**
ALAL O., DEMİR KIVRAK H., ÇELİK KAZICI H., SAHİN O.
3. ULUSAL KİMYA MÜHENDİSLİĞİ ÖĞRENCİ KONGRESİ (UKMÖK), Turkey, 2 - 04 May 2015

60. **Facile rapid synthesis of microwave assisted Pd nanoparticles for non enzymatic hydrogen peroxide sensor**
ÇELİK KAZICI H., ALAL O., ATBAŞ D., DEMİR KIVRAK H., GÖKDOĞAN SAHİN O., KIVRAK A.
1st International Conference on Organic Electronic Material Technologies (OEMT2015), 25 - 28 March 2015

61. **Synthesis Of A Novel Acceptor Anthracene Acceptor Conjugated Molecule And Its Electronic Properties**
ZOBİ C., ER Ö. F., DEMİR KIVRAK H., KIVRAK A., GUMUS S.
Anatolian Conference On Synthetic Organic Chemistry, 16 - 19 March 2015

62. **Synthesis and Spectroscopic Studies of Anthracene Based Small Organic Molecules**
GÜNKUT S., DEMİR KIVRAK H., KIVRAK A., GÜMÜŞ S.
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015

63. **Design Synthesis And Spectroscopic Studies Of Anthracene Based Small Organic Molecules**
GUNKUT S., DEMİR KIVRAK H., KIVRAK A., GUMUS S.
Anatolian Conference On Synthetic Organic Chemistry, 16 - 19 March 2015

64. **Design of Novel Thienocarbazole Derivatives COST ACTION CM1307 1rst CONFERENCE CaPF joint meeting**
KIVRAK A., DEMİR KIVRAK H.
COST ACTION CM1307 1rst CONFERENCE/ CaPF joint meeting, Cali, Colombia, 27 - 29 October 2014

65. **Karbon nanotüplerin elektrokimyasal ağır metal sensörü olarak kullanılması ve adsorpsiyon kinetiğinin incelenmesi**
erol s., ŞAHİN Ö., DEMİR KIVRAK H., KIVRAK A.
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014

66. **3 Aminopropyltrimethoxysilane ile fonksiyonelleştirilmiş mezo gözenekli silikanın elektrokimyasal ağır metal sensörü olarak kullanılması**
ALAL O., ALPAR N., CAN M., DEMİR KIVRAK H.
UKMK 11 (11. Ulusal Kimya Mühendisliği Kongresi), Turkey, 2 - 05 September 2014

67. **Karbon destekli Pt Sn Doğrudan beslemeli etanol yakıt pili katalizörü üzerinde etanol elektrooksitlenme kinetiğinin incelenmesi**
ŞAHİN Ö., DEMİR KIVRAK H., KIVRAK A.
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014

68. **Çekirdek Kabuk yapısına sahip Metanol Elektro oksitleme Pt Ru Nano Katalizörlerinin Sentezi ve Geliştirilmesi**
DEMİR KIVRAK H., çiçek f., nazlı n., ŞAHİN Ö., KIVRAK A.
11. Ulusal Kimya Mühendisliği Kongresi , Eskişehir, Turkey, 2 - 05 September 2014

69. **Karbon nanotüplerin elektrokimyasal ağır metal sensörü olarak kullanılması ve adsorpsiyon kinetiğinin incelenmes**
ALAL O., ALPAR N., CAN M., DEMİR KIVRAK H.
UKMK 11 (11. Ulusal Kimya Mühendisliği Kongresi), Turkey, 2 - 05 September 2014

70. **Çekirdek Kabuk yapısına sahip Metanol Elektro oksitleme Pt Ru Nano Katalizörlerinin Sentezi ve Geliştirilmesi**
ALAL O., ALPAR N., CAN M., DEMİR KIVRAK H.
UKMK 11 (11. Ulusal Kimya Mühendisliği Kongresi), Turkey, 2 - 05 September 2014

71. **Karbon destekli Pt Sn Doğrudan beslemeli etanol yakıt pili katalizörü üzerinde etanol elektrooksitlenme kinetiğinin incelenmesi**

ALAL O., ALPAR N., CAN M., DEMİR KIVRAK H.
UKMK 11 (11. Ulusal Kimya Mühendisliği Kongresi), Turkey, 2 - 05 September 2014

72. **Methanol Electro Oxidation Study on CNT Supported Pt Ru Direct Methanol Fuel Cells Anode Catalyst**
SAHİN O., DEMİR KIVRAK H.
2nd Annual International Conference on Chemistry, 21 - 24 July 2014

73. **Detection of Hydrogen Peroxide by Platinum based Bimetallic Catalysts**
SAHİN O., DEMİR KIVRAK H.
2nd Annual International Conference on Chemistry, 21 - 24 July 2014

74. **Carbon supported Pt M M Ag Ca Cd Cs Cu Fe Ir Mg Pd Ru Zr nanocatalysts A Novel approach for alcohol elec trooxidation by using EIS**
demir n. c., DEMİR KIVRAK H., ŞAHİN Ö., KIVRAK A.
10th International Electrochemistry Meeting, Konya, Turkey, 4 - 08 September 2013

75. **A comparative study of electrochemical methods on Pt Ru dafc anode catalysts**
SAHİN O., DEMİR KIVRAK H.
10th International Electrochemistry Meeting, 4 - 08 September 2013

76. **Carbon supported Pt M nanocatalysts a novel approach for alcohol electrooxidatıon by using EIS**
SAHİN O., DEMİR KIVRAK H.
10th International Electrochemistry Meeting, 4 - 08 September 2013

77. **Electrochemical impedance study on Pt Ir electrocatalysts for alcohol electrooxidation**
SAHİN O., DEMİR KIVRAK H.
10th International Electrochemistry Meeting, 4 - 08 September 2013

78. **Sensitive Voltammetric Detection of Pb II Heavy Metals Using Mesaporous SBA 15 Nafion electrodes**
CAN M., DEMİR KIVRAK H., SAHİN O.
XIth European Congress on Catalysis, 1 - 06 September 2013

79. **Clean energy direct alcohol fuel cell catalysts with carbon supported binary anode catalysts**
PEHLİVAN E., KIVRAK A., DEMİR KIVRAK H., SHAHRIARI M.
International Conference of Ecosystems (ICE), 31 May - 05 June 2013

80. **The assesment on the use of environmentally friendly cars**
PEHLİVAN E., KIVRAK A., DEMİR KIVRAK H., SHAHRIARI M.
International Conference of Ecosystems (ICE), 31 May - 05 June 2013

81. **Risk Assesment of Organic Solvents Effects for the human health and environment**
PEHLİVAN E., KIVRAK A., DEMİR KIVRAK H., SHAHRIARI M.
International Conference of Ecosystems (ICE), 31 May - 05 June 2013

82. **Mesaporous silica SBA 15 supported Pt Co Pb catalysts for environmetally friendly ethanol fuel cells**
PEHLİVAN E., KIVRAK A., DEMİR KIVRAK H., SHAHRIARI M.
International Conference of Ecosystems (ICE), 31 May - 05 June 2013

83. **Organic Solvents And Their Effects On Human And The Environment A Case Study**
DEMİR KIVRAK H., mohammad s., PEHLİVAN E., KIVRAK A.
International Conference of Ecosystems (ICE2013) Tirana, tirana, Albania, 31 May - 05 June 2013

84. **A photocatalytic methanol oxidatıon study over TiO2 for clean environment**
PEHLİVAN E., KIVRAK A., DEMİR KIVRAK H., SHAHRIARI M.
International Conference of Ecosystems (ICE), 31 May - 05 June 2013

85. **Anthracene Substituted Thiophene Derivatives And Their Applications**
KIVRAK A., DEMİR KIVRAK H.
International Conference of Ecosystems (ICE2013) Tirana, tirana, Albania, 31 May - 05 June 2013

86. **PtRu and PtSn Electrocatalysts For DAFCs The Effect Of Iridium Addition**
SAHİN O., DEMİR KIVRAK H., KIVRAK A.
3rd PAK-TURK Conference, 13 - 15 September 2012

87. **Electrochemical impedance study on novel CNT structures as a catalyst support for direct methanol fuel cells**
DEMİR KIVRAK H., SAHİN O., SCHNEİDER J. J.

3rd PAK-TURK Conference, 13 - 15 September 2012

88. **3 ethinil tiyofen türevlerinin sentezi optiksel ve elektrokimyasal özellikleri**
KIVRAK A., DEMİR KIVRAK H., SAHİN Ö.
IV. Ulusal Polimer Bilim ve Teknoloji kongresi, Turkey, 5 - 08 September 2012

89. **Environmentally friendly direct methanol fuel cell with carbon supported Pt Ru anode catalyst**
SAHİN O., DEMİR KIVRAK H.
International conference of ecosystems, 1 - 06 June 2012

90. **Photo catalytic Hydrogen Production for a Clean Environment**
SAHİN O., DEMİR KIVRAK H.
International conference of ecosystems, 1 - 06 June 2012

91. **Photo catalytic Hydrogen Production for a Clean Environment**
DEMİR KIVRAK H., ŞAHİN Ö., düzenli d., KIVRAK A.
International Conference of Ecosystems (ICE) Tirana, tirana, Albania, 1 - 06 June 2012

92. **The effect of Ru addition on Methanol electro oxidation reaction**
DEMİR KIVRAK H., KULİYEV S.
EuropaCat X, 28 August - 02 September 2011

93. **selective oxidation of CO in excess hydrogen over Pt and Pt Sn supported by Al2O3 catalysts**
BAYAR İ., DEMİR KIVRAK H., ÜNER D.
EnCAMP 2011 (Energy Challenges for Advanced Materials and Processes: Harvesting, Storage and Efficient Utilization Conference), Turkey, 25 - 29 May 2011

94. **The effect of tin addition on ethanol electro oxidation reaction**
DEMİR KIVRAK H., KULİYEV S., ÜNER D.
6th summer school, catalysis and surface sciences fro renewables and energy, 13 - 19 September 2010

95. **TiO2 Carbon Nanotube Structures for Photoelectrocatalysis**
ÜNER D., DEMİR KIVRAK H., TEMPEL H., KULİYEV S., SCHNEIDER J. J.
OCAT 6/APCAT 5, The Sixth Tokyo Conference on Advanced Catalytic Science and Technology & The Fifth Asia Pacific Congress on Catalysis, 18 - 23 July 2010

96. **TiO2 Carbon Nanotube Structures for Electrocatalysis**
DEMİR KIVRAK H., TEMPEL H., KULİYEV S., SCHNEIDER J. J., ÜNER D.
NCC 3 (Third National Catalysis Congress), Turkey, 28 April - 01 May 2010

97. **A Hyride Precursor Deposition Method Application Cu deposition on Ti**
DEMİR KIVRAK H., HEBERT K.
EMCC-6 Chemical Engineering Solutions to Critical Problems of the 21st Century, 7 - 12 March 2010

98. **Preferential CO oxidation over Pt Sn catalysts**
DEMİR KIVRAK H., OZORAN I., ÜNER D.
ECASIA O9 13th European Conference on Applications of Surface and Interface Analysis, 18 - 23 October 2009

99. **The Role of Sn Addition in Relation to Defects on Ethanol Electro Oxidation Reaction over Pt C catalysts**
DEMİR KIVRAK H., KULİYEV S., ÜNER D.
ECASIA 09, 13th european conference applications of surface and interface analysis, 18 - 23 October 2009

100. **Investigations on A Green Catalyst Pt SnO2 C for Direct Ethanol Fuel Cells**
DEMİR KIVRAK H., KULİYEV S., ÜNER D.
Global Conference on Global Warming (GCGW), 5 - 09 July 2009

101. **Polyol metodu ile hazırlanan Pt C katalizör parçacık boyutunun etanol elektro oksitelenme tepkimesine olan etkilerinin belirlenmesi**
DEMİR KIVRAK H., ÜNER D.
23. Ulusal Kimya Kongresi, Turkey, 16 - 20 June 2009

102. **Synthesis and characterization of carbon supported Pt Sn and Pt SnO2 catalysts and investigation the effect of oxide phase in ethanol electro oxidation reaction**
DEMİR KIVRAK H., KULİYEV S., ÜNER D.
AIChE 2008 annual meeting, 16 - 21 November 2008

103. **Structural Characterization and Activity for Ethanol Electro oxidation of Carbon Supported Pt Sn Bimetallic Catalysts Prepared by Polyol Method**
DEMİR KIVRAK H., KULİYEV S., ÜNER D.
NCC 2 (Second National Catalysis Congress), Turkey, 18 - 21 June 2008
104. **What are the active sites of a commercial 5 Pt Al2O3 catalyst in liquid phase reactions**
DEMİR KIVRAK H., ÜNER D., KİRALY Z., MASTALIR A.
NCC 2, Turkey, 18 - 21 June 2008
105. **Mechanism Elucidation of the Ethanol Electro oxidation Reactions on Pt Sn catalysts**
DEMİR KIVRAK H., ÜNER D.
EuropaCat VIII, 26 - 31 August 2007
106. **Etanol Elektro Oksidasyon Reaksiyonlarında Kullanılan İki Metalli Pt Sn Katalizörlerinin Sentezlenmesi Ve Karakterizasyonu**
DEMİR KIVRAK H., ÜNER D.
UKMK 7, Turkey, 5 - 08 September 2006
107. **Microcalorimetric studies to investigate the effect of Sn addition to elucidate CO poisoning on Al2O3 supported Pt Sn catalysts**
DEMİR KIVRAK H., ÜNER D.
NanoTR II, Turkey, 3 - 05 May 2006
108. **Microcalorimetric characterization of sol gel prepared SiO2 supported Pd and ZnO catalysts**
DEMİR KIVRAK H., ŞEKER E., ÜNER D.
Europacat VII, 28 August - 01 September 2005
109. **Steam Reforming of Ethanol over Sol Gel Synthesized Mixed Oxide Catalysts**
OLCAY H. O., DEMİR KIVRAK H., ŞEKER E., ÜNER D.
19th North American Catalysis Society Meeting (19th NACS), 22 - 27 May 2005
110. **Sol jel ile Hazırlanmış karışık oksit katalizörler üzerinde etanolün buhar riformlaması**
OLCAY H. O., DEMİR KIVRAK H., ŞEKER E., ÜNER D.
UKMK 6 (6. ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ), Turkey, 7 - 10 September 2004

Academic and Administrative Experience

2023 - Continues	**Scientific Award Committee Member**	Eskisehir Osmangazi University, Rektörlük, Rektörlük
2022 - Continues	**Assistant Coordinator**	Eskisehir Osmangazi University, Rektörlük, AR-GE KOORDİNATÖRLÜĞÜ FEN BİLİMLERİ SORUMLUSU
2022 - Continues	**Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi**	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Müh.Bölümü
2022 - Continues	**BÖLÜM ARGE KOORDİNATÖRÜ**	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Müh.Bölümü
2021 - Continues	**Danışma Kurulu Üyesi**	Eskisehir Osmangazi University, Rektörlük, Akciğer ve Plevra Kanserleri Uygulama ve Araştırma Merkezi
2021 - Continues	**Adaptation/Exemption Committee Member**	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Müh.Bölümü
2021 - Continues	**Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi**	Eskisehir Osmangazi University, Rektörlük, TRANSLASYONEL TIP UYGULAMA VE ARAŞTIRMA MERKEZİ

2022 - 2022	**Fen Bilimleri Enstitüsü Tez Yazım Kılavuzu Hazırlama Komisyonu**	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fen Bil.Enst.Md.Lüğü
2022 - 2022	**Chairman of the Scientific Award Committee**	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fen Bil.Enst.Md.Lüğü
2017 - 2021	**Head of Department**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
2016 - 2019	**Enstitü Yönetim Kurulu Üyesi**	Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Yl) (Tezli)
2016 - 2019	**Fakülte Kurulu Üyesi**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
2016 - 2019	**Head of Department**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
2017 - 2018	**Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
2015 - 2016	**Deputy Head of Department**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Courses

KİMYASAL TEPKİME MÜHENDİSKİĞİ II (A), Undergraduate, 2023 - 2024
Kimyasal Reaksiyon Mühendisliği , Undergraduate, 2023 - 2024
SEMINAR, Postgraduate, 2022 - 2023
KİMYA MÜHENDİSLİĞİNDE TASARIM II (D), Undergraduate, 2022 - 2023
UZMANLIK ALAN DERSİ (YL)(S), Postgraduate, 2022 - 2023
YÜKSEK LİSANS TEZ ÇALIŞMASI (U), Postgraduate, 2023 - 2024
MÜHENDİSLİK ARAŞTIRMALARINA HAZIRLIK (U), Undergraduate, 2023 - 2024
ALTERNATİF YAKIT KAYNAKLARI ARAŞTIRMASI (A), Undergraduate, 2022 - 2023
KİMYASAL TEPKİME MÜHENDİSLİĞİ I, Undergraduate, 2022 - 2023
KİMYASAL TEPKİME MÜHENDİSLİĞİ II, Undergraduate, 2022 - 2023
SEMİNER (S), Postgraduate, 2022 - 2023
BİLİM FELSEFESİ VE DİPLOMASİSİ (A), Postgraduate, 2023 - 2024
NANOMATERIAL CHARACTERIZATION (A), Postgraduate, 2023 - 2024
KİMYASAL TEPKİME MÜHENDİSLİĞİ I (B), Undergraduate, 2022 - 2023
UZMANLIK ALAN DERSİ (YL) (U), Postgraduate, 2023 - 2024
YÜKSEK LİSANS TEZ ÇALIŞMASI (S), Postgraduate, 2022 - 2023
NANOMALZEME KARAKTERİZASYONU, Postgraduate, 2023 - 2024
İleri Kimyasal Reaksiyon Mühendisliği, Postgraduate, 2021 - 2022
Reaktör Tasarımı, Undergraduate, 2021 - 2022
Proses Kontrol , Undergraduate, 2022 - 2023
KİMYASAL TEPKİME MÜHENDİSLİĞİ I (A), Undergraduate, 2021 - 2022
SEMİNER (R), Postgraduate, 2021 - 2022
KİMYA MÜHENDİSLİĞİNDE TASARIM II (D), Undergraduate, 2021 - 2022
ALTERNATİF YAKIT KAYNAKLARI ARAŞTIRMASI (A), Undergraduate, 2021 - 2022

KİMYASAL TEPKİME MÜHENDİSLİĞİ II (A) , Undergraduate, 2021 - 2022
Polimer Bilimi ve Teknoloji, Undergraduate, 2021 - 2022
MÜHENDİSLİK ARAŞTIRMALARINA HAZIRLIK (A), Undergraduate, 2021 - 2022
MÜHENDİSLİK EKONOMİSİ, Undergraduate, 2021 - 2022
Nanoteknoloji, Undergraduate, 2021 - 2022
KİMYA MÜHENDİSLİĞİ LABORATUARI III(D), Undergraduate, 2020 - 2021
NANOMALZEME KARAKTERİZASYONU (A), Postgraduate, 2021 - 2022
ALTERNATİF YAKIT KAYNAKLARI ARAŞTIRMALARI(A), Undergraduate, 2020 - 2021
Kimyasal Reaksiyon Mühendisliği, Undergraduate, 2021 - 2022
Kimya Mühendisliği Tasarım II C, Undergraduate, 2020 - 2021
YAKIT PİLİ KATALİZÖRLERİ, Postgraduate, 2021 - 2022
KİMYA MÜHENDİSLİĞİNDE TASARIM I (C), Undergraduate, 2021 - 2022
Kimya Mühendisliği Laboratuvarı III (2018-2021), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Kimyasal Reaksiyon Mühendisliği (2014-2020), Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Kimya Mühendisliği Laboratuarı II (2014-2020), Undergraduate, 2019 - 2020
Katı Yüzey Kimyası (2013-2021), Undergraduate, 2019 - 2020
Taşınım Olayları II (2018-2020), Postgraduate, 2019 - 2020, 2018 - 2019
Kimya Mühendisliği Laboratuvarı I (2015-2020), Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Taşınım Olayları I (2018-2021), Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Çevre İçin Nanokatalizörler (2014-2020), Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Lisans Araştırma Projesi (2014-2020), Undergraduate, 2019 - 2020
Heterojen Katalizör Sistemleri (2015-2016, 2019-2020), Undergraduate, 2019 - 2020, 2015 - 2016
Kimya Mühendisliği Tasarımı I (2019-2021), Undergraduate, 2020 - 2021, 2019 - 2020
İleri Reaksiyon Mühendisliği (2014-2021), Postgraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Uygulamalı Sayısal Çözümleme (2019-2020), Undergraduate, 2019 - 2020
Reaktör Tasarımı (2018-2021), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Akışkanlar Mekaniği (Gıda Müh., 2018-2021), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Yakıt Pili Katalizörleri (2019-2020), Postgraduate, 2019 - 2020
Isı ve Kütle Aktarımı (2016-2020), Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Katalizörler ve Katalitik Reaksiyonlar (2018-2018), Undergraduate, 2018 - 2019
Petrokimya Katalizörleri (2014-2017), Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Kimyasal Tepkime Mühendisliği (Gıda Müh., 2016-2017), Undergraduate, 2015 - 2016
Staj I (2013-2016), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
Kütle ve Enerji Denklikleri II (2013-2015), Undergraduate, 2014 - 2015, 2013 - 2014
Akışkanlar Mekaniği (2013-2015), Undergraduate, 2014 - 2015, 2013 - 2014
Temel Elektrokimya (2013-2014), Undergraduate, 2014 - 2015
Kütle ve Enerji Denklikleri I (2014-2015), Undergraduate, 2014 - 2015
Matematiksel Modelleme (2014-2015), Undergraduate, 2014 - 2015
Proses Kontrol (2013-2015), Undergraduate, 2013 - 2014
Staj II (2013-2014), Undergraduate, 2013 - 2014
CHEMICAL ENGINEERING LABORATORY III (2003-2010) TA, Undergraduate, 2009 - 2010
INTRODUCTION TO CHEMICAL ENGINEERING (2009-2010) TA, Undergraduate, 2009 - 2010
THERMODYNAMICS I (2008-2009) TA, Undergraduate, 2008 - 2009
CHEMICAL ENGINEERING LABORATORY II (2003-2009) TA, Undergraduate, 2009 - 2010
CHEMICAL ENGINEERING LABORATORY I (2006-2007) TA, Undergraduate, 2006 - 2007
CHEMICAL REACTION ENGINEERING (2004-2006, 2008-2009) TA, Undergraduate, 2004 - 2005
CHEMICAL ENGINEERING MATHEMATICS (2004-2005) TA, Postgraduate, 2004 - 2005

ADVANCED CHEMICAL REACTION ENGINEERING (2004-2005) TA, Postgraduate, 2004 - 2005

Advising Theses

Demir Kıvrak H., Aktaş N., Aminoasit tayininde kullanılacak olan yeni polimer temelli malzemelerin sentezi, Doctorate, K.Selçuk(Student), Continues
Demir Kıvrak H., Yeni nesil katalizörlerin hazırlanması ve metanoliz ile hidrojen üretiminin araştırılması, Postgraduate, C.SAKA(Student), Continues
Demir Kıvrak H., Yeni Nesil Poli(N-isopropylacrylamid) ve Poli(akrilikasit) Temelli kompozit Elektrotların Hazırlanması ve Süperkapasitör Uygulamaları, Postgraduate, D.ALOVN(Student), Continues
Demir Kıvrak H., CdM (S, Se, Te) bimetalik kuantum nokta yapıların sentezi ve foto-elektrokimyasal glikoz elektrooksitlenme uygulamaları, Doctorate, A.Çağlar(Student), 2022
Demir Kıvrak H., Farklı kanser belirteçlerinin yeni nanomalzeme temelli elektrokimyasal immunosensörler aracılığı ile yüksek duyarlılıkta belirlenmesi, Doctorate, Ö.FARUK(Student), 2022
Demir Kıvrak H., PEM Yakıt Pilleri için Anot Katalizör ve Membran Sentezi, Karakterizasyonu ve Yakıt Pili Performans Testleri, Doctorate, B.Ulaş(Student), 2021
Demir Kıvrak H., Synthesis and characterization of polymer based catalysts and their formic acid electrooxidation activities, Postgraduate, S.KHALID(Student), 2021
Demir Kıvrak H., Ru temelli geliştirilen bazı katalizörlerin NABH4'ün hidrolizinde kullanılması ve elektrooksidasyonla katalitik aktivitelerinin belirlenmesi, Doctorate, T.AVCI(Student), 2021
Demir Kıvrak H., PHOTOCATALYTIC WATER REMEDIATION ON NANO DESIGNED CATALYSTS , Postgraduate, D.Ibrahim(Student), 2021
Demir Kıvrak H., Karbon nanotüp destekli Pd, In ve Sn katalizörlerin sentezi, karakterizasyonu ve hidrazin elektro yükseltgenme sisteminin dinamik modellenmesi, Postgraduate, A.CAVAK(Student), 2020
Demir Kıvrak H., Yüksek aktiviteye sahip cnt destekli pd-zn katalizörünün formik asit elektrooksitlenme aktivitesinin incelenmesi, Postgraduate, Y.YILMAZ(Student), 2020
Demir Kıvrak H., Amonyak boran hidrolizinden hidrojen eldesi için uygun katalizörlerin sentezi karakterizasyonu ve optimizasyonu, Postgraduate, F.YILDİZ(Student), 2019
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
Demir Kıvrak H., Enzimsiz hidrojen peroksit sensörlerinin geliştirilmesi, Postgraduate, O.ALAL(Student), 2019
Demir Kıvrak H., Multimetalli nanokatalizörlerin sentezi karakterizasyonu ve glukoz sensör etkisinin elektrokimyasal incelenmesi, Postgraduate, F.SALMAN(Student), 2019
Demir Kıvrak H., Cvd tekniğiyle hazırlanmış grafen sentezi, karakterizasyonu ve glikoz oksidasyonun incelenmesi, Postgraduate, A.ÇAĞLAR(Student), 2018
Demir Kıvrak H., Formik asit yakıt pili sisteminde kullanılan CoAuPd katalizörlerin elektrobiriktirme yöntemi ile sentezi ve karakterizasyonu, Postgraduate, Ç.AVCİ(Student), 2018
Demir Kıvrak H., Microwave assisted n-hexane reforming on Pt-based catalyst, Postgraduate, M.Ali(Student), 2017
Kıvrak A., Demir Kıvrak H., Microwave assisted n-hexane reforming on Pt-based catalyst, Postgraduate, M.ALI(Student), 2017
Demir Kıvrak H., Risk and detection of toxic gases hydrogen sulfide (H2S) and carbon monoxide (CO) from refinery in erbil, Postgraduate, R.ALI(Student), 2017
Demir Kıvrak H., KIVRAK A., Güneş pilleri için tasarlanan organik malzemelerin yeni katalizörler ile sentezi, Postgraduate, Ö.FARUK(Student), 2017
Demir Kıvrak H., Formik asit elektroyükseltgenmesi için hazırlanan karbon nanotüp destekli CoAuPd nanokatalizörlerinin sentezi ve karakterizasyonu, Postgraduate, D.ATBAŞ(Student), 2016

Activities in Scientific Journals

TURKISH JOURNAL OF CHEMISTRY, Committee Member, 2023 - Continues
Frontiers in Catalysis, Assistant Editor/Section Editor, 2022 - Continues
Manas Journal of Engineering, Committee Member, 2022 - Continues
General Chemistry, Committee Member, 2020 - Continues
American Journal of Material Science and Engineering, Committee Member, 2015 - Continues

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, November 2022
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, November 2022
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, November 2022
TÜBİTAK International Bilateral Joint Cooperation Program Project, Korean National Research Foundation, NRF Bilateral Joint Cooperation Program, TÜBİTAK, Turkey, October 2022
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, June 2021
ACS APPLIED ENERGY MATERIALS, Journal Indexed in SCI-E, June 2021
CURRENT NANOSCIENCE, Journal Indexed in SCI-E, June 2021
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, June 2021
CURRENT NANOSCIENCE, Journal Indexed in SCI-E, June 2021
CURRENT NANOSCIENCE, Journal Indexed in SCI-E, June 2021
CURRENT NANOSCIENCE, Journal Indexed in SCI-E, June 2021
CURRENT NANOSCIENCE, Journal Indexed in SCI-E, June 2021
CURRENT NANOSCIENCE, Journal Indexed in SCI-E, June 2021
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, May 2021
CURRENT NANOSCIENCE, Journal Indexed in SCI-E, May 2021
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, May 2021
Energy Storage, Journal Indexed in ESCI, May 2021
Manas Journal of Engineering, Other Indexed Journal, May 2021
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, May 2021
RENEWABLE ENERGY, SCI Journal, January 2021
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, January 2021
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, December 2020
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, November 2020
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, November 2020
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, November 2020
RENEWABLE ENERGY, SCI Journal, August 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, July 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, July 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, July 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, July 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, June 2020
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, May 2020
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, May 2020
APPLIED ORGANOMETALLIC CHEMISTRY, Journal Indexed in SCI-E, May 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, April 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, March 2020

RENEWABLE ENERGY, SCI Journal, March 2020
RENEWABLE ENERGY, SCI Journal, March 2020
RENEWABLE ENERGY, SCI Journal, March 2020
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, February 2020
RENEWABLE ENERGY, SCI Journal, February 2020
RENEWABLE ENERGY, SCI Journal, February 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, February 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, February 2020
RENEWABLE ENERGY, SCI Journal, February 2020
RENEWABLE ENERGY, SCI Journal, February 2020
ACS APPLIED MATERIALS & INTERFACES, Journal Indexed in SCI-E, January 2020
RSC ADVANCES, Journal Indexed in SCI-E, January 2020
IONICS, Journal Indexed in SCI-E, January 2020
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, January 2020
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SCI-E, January 2020
RENEWABLE ENERGY, SCI Journal, January 2020
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, Journal Indexed in SCI-E, January 2020
Journal of Environmental Chemical Engineering, Journal Indexed in ESCI, January 2020
ARABIAN JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, January 2020
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SCI-E, January 2020
RENEWABLE ENERGY, SCI Journal, January 2020
RENEWABLE ENERGY, National Scientific Refreed Journal, November 2019
RENEWABLE ENERGY, SCI Journal, November 2019
RENEWABLE ENERGY, SCI Journal, October 2019
RENEWABLE ENERGY, SCI Journal, October 2019
RENEWABLE ENERGY, SCI Journal, October 2019
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, October 2019
RENEWABLE ENERGY, SCI Journal, October 2019
RENEWABLE ENERGY, SCI Journal, October 2019
RENEWABLE ENERGY, SCI Journal, August 2019
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, August 2019
RENEWABLE ENERGY, SCI Journal, July 2019
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, July 2019
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, July 2019
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, June 2019
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, June 2019
RENEWABLE ENERGY, National Scientific Refreed Journal, May 2019
RENEWABLE ENERGY, SCI Journal, May 2019
RENEWABLE ENERGY, SCI Journal, May 2019
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, April 2019
RENEWABLE ENERGY, SCI Journal, March 2019
JOURNAL OF POROUS MATERIALS, Journal Indexed in SCI-E, January 2019
ULTRASONICS SONOCHEMISTRY, Journal Indexed in SCI-E, January 2019
VACUUM, Journal Indexed in SCI-E, January 2019
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, June 2018
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, April 2015
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, March 2015
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, February 2015
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, December 2014
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, September 2014
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, December 2013

APPLIED CATALYSIS B-ENVIRONMENTAL, Journal Indexed in SCI-E, November 2013
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, October 2013

Tasks In Event Organizations

Demir Kıvrak H., Ar-Ge Koordinatörlüğü Tematik Alan Çalıştayı, Workshop Organization, Turkey, Ocak 2023

Scientific Research / Working Group Memberships

Katıların Karakterizasyonu, Eskisehir Osmangazi University, Türkiye, https://avesis.ogu.edu.tr/arastirma-grubu/kkal, 2021 - Continues
Katalizör Araştırma Ve Geliştirme, Eskisehir Osmangazi University, Türkiye, https://avesis.ogu.edu.tr/arastirma-grubu/alv/grup-uyeleri, 2021 - Continues
Yenilenebilir Enerji Kaynakları, Eskisehir Osmangazi University, Türkiye, https://avesis.ogu.edu.tr/arastirma-grubu/yenener, 2021 - Continues
Polimer Sentezi, Polimer Kompozit Ve Biyomalzeme Geliştirme Araştırma Grubu, Eskisehir Osmangazi University, Türkiye, https://avesis.ogu.edu.tr/arastirma-grubu/polcombio/grup-uyeleri, 2021 - Continues
Nanotechnology In Sensors, Energy, And Medical Research Group, Eskisehir Osmangazi University, Türkiye, https://avesis.ogu.edu.tr/arastirma-grubu/nanotechsem, 2015 - Continues
European Unıon Cost Actıon Ca20127 - Waste Biorefinery Technologies For Accelerating Sustainable Energy Processes (Wıre) Wg 1, Eskisehir Osmangazi University, Türkiye, https://www.cost.eu/actions/CA20127/#tabs+Name:Working%20Groups%20and%20Membership, 2021 - 2025
European Unıon Cost Actıon Ca20127 - Waste Biorefinery Technologies For Accelerating Sustainable Energy Processes (Wıre) Wg 4, Eskisehir Osmangazi University, Türkiye, https://www.cost.eu/actions/CA20127/#tabs+Name:Working%20Groups%20and%20Membership, 2021 - 2025
European Union Cost Action Ca19118 - High-Performance Carbon-Based Composites With Smart Properties For Advanced Sensing Applications (Essence) Wg4, Eskisehir Osmangazi University, Türkiye, https://www.cost.eu/actions/CA19118/#tabs+Name:Management%20Committee, 2021 - 2024
European Union Cost Action Ca19118 - High-Performance Carbon-Based Composites With Smart Properties For Advanced Sensing Applications (Essence) Wg3, Eskisehir Osmangazi University, Türkiye, https://www.cost.eu/actions/CA19118/#tabs+Name:Management%20Committee, 2021 - 2024
European Union Cost Action Ca15107 - Multi-Functional Nano-Carbon Composite Materials Network (Multicomp) Wg4, Eskisehir Osmangazi University, Türkiye, https://www.cost.eu/actions/CA15107/, 2017 - 2020
European Union Cost Action Ca15107 - Multi-Functional Nano-Carbon Composite Materials Network (Multicomp) Wg3, Eskisehir Osmangazi University, Türkiye, https://www.cost.eu/actions/CA15107/WG3, 2017 - 2020
European Union Cost Action Ca15107 - Multi-Functional Nano-Carbon Composite Materials Network (Multicomp) Management Committe Member, Eskisehir Osmangazi University, Türkiye, https://www.cost.eu/actions/CA15107/, 2017 - 2020

Metrics

Publication: 270
Citation (WoS): 1560
Citation (Scopus): 1972
H-Index (WoS): 22
H-Index (Scopus): 23

Invited Talks

Cumhuriyetin 100. Yılında Genç Kadın Bilim İnsanlarının Başarısına UNESCO - L'ORÉAL Bilim Kadınları İçin Burs Programının Katkısı, Workshop, UNESCO Türkye Mllî Komsyonu, Turkey, December 2023
The 2nd Hydrogen Forum, Seminar, Bartın Üniversitesi, Turkey, June 2023
Bilim ve Teknolojide Lider Kadınlar Zirvesi, Conference, Boğaziçi Üniversitesi, Turkey, April 2023
Ulusal/Uluslararası Başarıları ile İlham Veren Bilim Kadınları Söyleşisi', Seminar, Eskişehir Kent Konseyi Kadın Meclisi, Turkey, April 2023
Digital Green, Conference, Calabria Üniversitesi/ Erasmus KA220 Projesi Uluslararası Aktivite Toplantısı, Italy, March 2023

Research Areas

Chemical Engineering and Technology

Non Academic Experience

Université Paul SabatierUniversité Paul Sabatier: Toulouse III, CNRS, Laboratoire de Synthèse et Physico-Chimie des Molécules d'Intérêt Biologique
Darmstadt Teknik Üniversitesi, İnorganik Kimya Bolumu
Iowa Eyalet Üniversitesi, Kimya ve Biyoloji Mühendisliği
Darmstadt Teknik Üniversitesi, İnorganik Kimya Bolumu