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Learning Knowledge

Postgraduate 2019 - 2022	Van Yüzüncü Yil University, Sosyal Bilimler Enstitüsü, Felsefe (YI) (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	Eskişehir 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 Engineering, Department Of Chemistry Engineering
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

- 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
- 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
- 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
- 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 - Continues
- 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
- 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 Pirolozinin Araştırılması, 2022 - Continues
8. 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 - Continues
9. Kıvrak A., Demir Kıvrak H., Erasmus Project, Digital Green, 2022 - 2024
10. Demir Kıvrak H., Çoban F., TUBITAK Project, TÜBİTAK 2218: Çapraz Bağlı Yeni Nesil 2,5-ditiyenil Piroil İletken Polimer Türevlerinin Süperkapasitör Uygulamaları, 2022 - 2024
11. Demir Kıvrak H., Kavak E., TUBITAK Project, TÜBİTAK 2218: Akciğer kanseri antijeni CYFRA21-1'in tayini için yeni nesil benzoitiyofen temelli elektrokimyasal DNA biyosensörlerin geliştirilmesi, 2022 - 2024
12. Demir Kıvrak H., Atabanı A., Atelge R., Avcı Hansu T., Akansu S. O., Ünalın 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
13. Demir Kıvrak H., Kıvrak A., TUBITAK Project, TÜBİTAK 1002 122Z061: Benzofuran Türevlerinin Hidrazin Elektrokimyasal Uygulamaları ve Yakıt Pili Performansları (01/04/2022-DEVAM EDİYOR), 2022 - 2023
14. 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
15. 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
16. 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
17. 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
18. KIVRAK A., DEMİR KIVRAK H., KAVAK E., KAYA Ş., ÖZOK ARICI Ö., Project Supported by Higher Education Institutions, 3-İyodobenzotiyofen Türevlerinin Hidrazin Elektrokimyasal Uygulamaları ve Yakıt Pili Performansları, 2021 - 2022
19. 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
20. Kıvrak A., Demir Kıvrak H., TUBITAK Project, Yeni Nesil Donör-Akseptör (D-A) Tipi İndol Türevlerinin Sentezi Ve Elektrokimyasal Davranımlar, 2021 - 2022
21. 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 elektrokimyasal aktivitesinin incelenmesi, 2021 - 2022
22. 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
23. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, CVD Tekniğiyle hazırlanmış Grafen-Metal Nanokompozitlerin Glikoz elektrokimyasal aktivitesinin incelenmesi, 2019 - 2021
24. Demir Kıvrak H., Project Supported by Higher Education Institutions, Co Ve Ag Metali çekirdeği üzerine Pd kapaklandırması ile çok metalli çekirdek kabuk katalizörlerin nanotasarım ile sentezi ve karakterizasyonu, 2018 - 2021
25. 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
26. Demir Kıvrak H., Aktaş N., Project Supported by Higher Education Institutions, Kuantum Nokta yapıların sentezi ve elektrokimyasal glikoz elektrokimyasal aktivitesinin incelenmesi, 2019 - 2020
27. Demir Kıvrak H., Hansu T. A., Sahin O., Project Supported by Higher Education Institutions, Ru Temelli Geliştirilen

- Bazı katalizörlerin NaBH_4 'ün hidrolizinde ve elektrooksidasyonla katalitik aktivitesinin belirlenmesi, 2018 - 2020
28. Kıvrak A., Demir Kıvrak H., Other International Funding Programs, Improving Science knowledge for foreign students, 2019 - 2019
 29. Demir Kıvrak H., Şahin O. G., TÜBİTAK - AB COST Project, Cvd Tekniğiyle Katılanmış Grafen-Metal Nanokompozitlerin Sentezi, Karakterizasyonu Ve Glukoz Sensör Duyarlılıklarının İncelenmesi, 2017 - 2019
 30. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, PdCo/CNT Alaşım Katalizörlerinin Sentezi, Karakterizasyonu ve Yakıt Pili Uygulamaları, 2016 - 2019
 31. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, Hidrojen peroksit tayini için yeni sensörlerin tasarlanması ve karakterizasyonu, 2016 - 2019
 32. Demir Kıvrak H., TUBITAK Project, TÜBİTAK 2223 Bilimsel Etkinlik Düzenleme-13. ulusal Kimya Mühendisliği Kongresi, 2018 - 2018
 33. Demir Kıvrak H., Project Supported by Higher Education Institutions, 13. Ulusal Kimya Mühendisliği Kongresi, 2018 - 2018
 34. Demir Kıvrak H., Kıvrak A., Project Supported by Higher Education Institutions, 3-Alkinil-2 Tiyofen-2 il benzo-tiyofen türevlerinin sentezi ve elektrokimyasal özellikleri, 2017 - 2018
 35. Demir Kıvrak H., Project Supported by Higher Education Institutions, Formik asit elektroyükseltgenmesi için hazırlanan Pd temelli katalizörlerin sentezi ve karakterizasyonu, 2017 - 2018
 36. 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
 37. Demir Kıvrak H., Project Supported by Higher Education Institutions, Formik Asit Elektroyükseltgenmesi İçin Hazırlanan Karbon Nanotüp Destekli CoAuPd Nanokatalizörlerinin Sentezi ve Karakterizasyonu, 2016 - 2017
 38. Kıvrak A., Demir Kıvrak H., Project Supported by Higher Education Institutions, PdAg Formik Asit Yakıt Pili Anot Katalizörlerinin Sentezi ve Karakterizasyonu, 2016 - 2017
 39. 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
 40. 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
 41. Demir Kıvrak H., Kıvrak A., TUBITAK Project, Yüksek Aktiviteye Sahip Formik Asit Yakıt Pili Anot Katalizörü Pt Pd Au Çekirdek Kabuk Katalizörlerinin Mikrodalga Yöntemi İle Üretilmesi, 2014 - 2016
 42. Demir Kıvrak H., Sahin O. G., Project Supported by Higher Education Institutions, Fotokatalitik hidrojen üretimi için mezogözenekli silika yapılarında TiO_2 sentezi ve Karakterizasyonu, 2014 - 2015
 43. 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
 44. 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
 45. Demir Kıvrak H., Sahin O., Project Supported by Higher Education Institutions, Nanoyapılı Pt temelli iki metalli Doğrudan Metanol Yakıt Pili Katalizörlerinin Sentezi ve Geliştirilmesi, 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 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)
- 2. 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)
- 3. 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, 2023 (SCI-Expanded)
- 4. A novel hazelnutt bagasse based activated carbon as sodium borohydride methanolysis and electrooxidation catalyst**
Saka C., YILDIZ D., KAYA Ş., Caglar A., Elitok D., Yaylı E., Kaya M., Atelge R., DEMİR KIVRAK H.
International Journal of Hydrogen Energy, vol.48, no.65, pp.25339-25353, 2023 (SCI-Expanded)
- 5. 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, 2023 (SCI-Expanded)
- 6. 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)
- 7. 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)
- 8. A study on supercapacitor electrode material from trigonal planar and (N→B) dative bond stabilized tetrahedral boron-containing compounds**
Kilic A., Soylemez R., Akdemir M., DEMİR KIVRAK H., KAYA M. D., Horoz S.
Journal of Materials Science: Materials in Electronics, vol.34, no.7, 2023 (SCI-Expanded)
- 9. 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)
- 10. 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)
- 11. Hydroxyapatite supported PdxIn_{100-x} as a novel electrocatalyst for high-efficiency glucose electrooxidation**

- Ulaş B., Yılmaz Y., Koc S., DEMİR KIVRAK H.
International Journal of Hydrogen Energy, vol.48, no.18, pp.6798-6810, 2023 (SCI-Expanded)
12. **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)
 13. **Synthesis of 3-Iodoindoles and Their Glucose Electrooxidation Performance as an Anode Catalyst**
Çalış Karatekin H., Ulaş B., Yılmaz Y., DEMİR KIVRAK H., Kavak E., KIVRAK A.
Waste and Biomass Valorization, 2023 (SCI-Expanded)
 14. **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)
 15. **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)
 16. **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)
 17. **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)
 18. **Benzotiyofen@Pd as an efficient and stable catalyst for the electrocatalytic oxidation of hydrazine**
Kaya Ş., Ozok-Arici Ö., Kivrak A., Caglar A., Demir Kivrak H.
FUEL, vol.328, 2022 (SCI-Expanded)
 19. **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)
 20. **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)
 21. **Development of Effective Bimetallic Electrocatalysts for Glucose Electrooxidation**
Ulaş B., Yılmaz Y., DEMİR KIVRAK H., ERÜNAL E.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.169, no.10, 2022 (SCI-Expanded)
 22. **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)
 23. **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)
 24. **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)

25. **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)
26. **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., Yılmaz Y., Tezsevin I., DEMİR KIVRAK H.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.168, 2022 (SCI-Expanded)
27. **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)
28. **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)
29. **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)
30. **Optimization of Electrode Preparation 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)
31. **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)
32. **Synthesis of Novel Artemisinin Derivatives and Their Electrochemical Properties**
Esen M., Kavak E., Ozok-Arici Ö., Ulas B., Demir Kivrak H., Kivrak A.
CHEMISTRYSELECT, vol.7, no.19, 2022 (SCI-Expanded)
33. **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)
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71. **Mesoporous silica SBA 15 supported Pt Co Pb catalysts for environmetally friendly ethanol fuel cells**
PEHLİVAN E., KIVRAK A., DEMİR KIVRAK H., SHAHRIARI M.
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72. **Electrochemical impedance study on novel CNT structures as a catalyst support for direct methanol fuel cells**
DEMİR KIVRAK H., SAHİN O., SCHNEIDER J. J.
3rd PAK-TURK Conference, 13 - 15 September 2012
73. **PtRu and PtSn Electrocatalysts For DAFCs The Effect Of Iridium Addition**
SAHİN O., DEMİR KIVRAK H., KIVRAK A.

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74. **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
75. **Photo catalytic Hydrogen Production for a Clean Environment**
SAHİN O., DEMİR KIVRAK H.
International conference of ecosystems, 1 - 06 June 2012
76. **Environmentally friendly direct methanol fuel cell with carbon supported Pt Ru anode catalyst**
SAHİN O., DEMİR KIVRAK H.
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77. **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
78. **The effect of Ru addition on Methanol electro oxidation reaction**
DEMİR KIVRAK H., KULİYEV S.
EuropaCat X, 28 August - 02 September 2011
79. **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
80. **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
81. **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
82. **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
83. **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
84. **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
85. **Preferential CO oxidation over Pt Sn catalysts**
DEMİR KIVRAK H., OZORAN I., ÜNER D.
ECASIA 09 13th European Conference on Applications of Surface and Interface Analysis, 18 - 23 October 2009
86. **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
87. **Polyol metodu ile hazırlanan Pt C katalizör parçacık boyutunun etanol elektro oksitlenme tepkimesine olan etkilerinin belirlenmesi**
DEMİR KIVRAK H., ÜNER D.
23. Ulusal Kimya Kongresi, Turkey, 16 - 20 June 2009
88. **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

89. **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
90. **What are the active sites of a commercial 5 Pt Al₂O₃ catalyst in liquid phase reactions**
DEMİR KIVRAK H., ÜNER D., KIRALY Z., MASTALIR A.
NCC 2, Turkey, 18 - 21 June 2008
91. **Mechanism Elucidation of the Ethanol Electro oxidation Reactions on Pt Sn catalysts**
DEMİR KIVRAK H., ÜNER D.
EuropaCat VIII, 26 - 31 August 2007
92. **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
93. **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
94. **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
95. **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
96. **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	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fen Bil.Enst.Md.Lüğü
2022 - 2022	Hazırlama Komisyonu 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	Fakülte Kurulu Üyesi	Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
2016 - 2019	Enstitü Yönetim Kurulu Üyesi	Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli)
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

KİMYA MÜHENDİSLİĞİ LABORATUARI III(D), Undergraduate, 2020 - 2021
 ALTERNATİF YAKIT KAYNAKLARI ARAŞTIRMALARI(A), Undergraduate, 2020 - 2021
 Kimya Mühendisliği Tasarım II C, Undergraduate, 2020 - 2021
 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 Laboratuvarı 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 elektrooksitleme 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 elektrooksitleme 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.ALBOUNÍ(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 oksidasyonunun 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

CURRENT NANOSCIENCE, Journal Indexed in SCI-E, June 2021

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 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

ACS APPLIED ENERGY MATERIALS, Journal Indexed in SCI-E, June 2021

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INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, May 2021

CURRENT NANOSCIENCE, Journal Indexed in SCI-E, May 2021

Energy Storage, Journal Indexed in ESCI, May 2021

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, 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

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, January 2021

RENEWABLE ENERGY, SCI Journal, 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
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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
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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
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, Journal Indexed in SCI-E, 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, SCI Journal, January 2020
Journal of Environmental Chemical Engineering, Journal Indexed in ESCI, January 2020
RENEWABLE ENERGY, SCI Journal, November 2019
RENEWABLE ENERGY, National Scientific Refreed Journal, November 2019
RENEWABLE ENERGY, SCI Journal, October 2019
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TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, October 2019
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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, SCI Journal, May 2019
RENEWABLE ENERGY, SCI Journal, May 2019
RENEWABLE ENERGY, National Scientific Refreed 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

Scientific Research / Working Group Memberships

Yenilenebilir Enerji Kaynakları, Eskisehir Osmangazi University, Turkey, <https://avesis.ogu.edu.tr/arastirma-grubu/yenener>, 2021 - Continues
Katalizör Araştırma Ve Geliştirme, Eskisehir Osmangazi University, Turkey, <https://avesis.ogu.edu.tr/arastirma-grubu/alv/grup-uyeleri>, 2021 - Continues
Katların Karakterizasyonu, Eskisehir Osmangazi University, Turkey, <https://avesis.ogu.edu.tr/arastirma-grubu/kkal>, 2021 - Continues
Polimer Sentezi, Polimer Kompozit Ve Biyomalzeme Geliştirme Araştırma Grubu, Eskisehir Osmangazi University, Turkey, <https://avesis.ogu.edu.tr/arastirma-grubu/polcombio/grup-uyeleri>, 2021 - Continues
Nanotechnology In Sensors, Energy, And Medical Research Group, Eskisehir Osmangazi University, Turkey, <https://avesis.ogu.edu.tr/arastirma-grubu/nanotechsem>, 2015 - Continues
European Union Cost Action Ca20127 - Waste Biorefinery Technologies For Accelerating Sustainable Energy Processes (Wire) Wg 1, Eskisehir Osmangazi University, Turkey, <https://www.cost.eu/actions/CA20127/#tabs+Name:Working%20Groups%20and%20Membership>, 2021 - 2025
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Research Areas

Chemical Engineering and Technology