

Res. Asst. PhD ÖZLEM UĞUZ NELİ

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-2186-2019

Yoksis Researcher ID: 221785

Biography

Arş.Gör. Dr. Özlem UĞUZ NELİ 1991 yılında İstanbul'da doğdu. 2013 yılında Marmara Üniversitesi Kimya Mühendisliği Bölümü'nden lisans derecesini aldı. Yüksek lisans öğrenimini 2014-2016 yılları arasında İstanbul Teknik Üniversitesi Kimya Mühendisliği Bölümü'nde tamamlayarak 2015-2016 yılları arasında aynı üniversitede araştırma görevlisi olarak görev yaptı. 2017 yılında Marmara Üniversitesi Kimya Mühendisliği Bölümü'nde doktora öğrenimine başladı ve 2022 yılında doktora ünvanını aldı. 2016 yılından itibaren de aynı üniversitede Kimyasal Teknolojiler Anabilim dalında araştırma görevlisi olarak çalışmaktadır.

Education Information

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 2014 - 2016
Undergraduate, Marmara University, Faculty of Engineering, Chemical Engineering, Turkey 2009 - 2013

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, The effect of various parameters on the photoelectrochemical hydrogen production performance of photoelectrodes, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2022

Postgraduate, Combustion behaviors of Kütahya-Tunçbilek and Adiyaman-Gölbaşı lignites in oxygen enriched environments, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 2016

Research Areas

Engineering and Technology

Academic titles / Tasks

Research Assistant PhD, Marmara University, Faculty of Engineering, Chemical Engineering, 2016 - Continues

Research Assistant, Istanbul Technical University, Kimya Mühendisliği Bölümü, 2015 - 2016

Courses

Analytical Chemistry Laboratory, Undergraduate, 2022 - 2023

Basic Chemistry, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **B, P, and S heteroatom doped, bio- and hemo-compatible 2D graphitic-carbon nitride (g-C₃N₄) with antioxidant, light-induced antibacterial, and bioimaging endeavors**
Demirci S., Suner S. S., Neli Ö., KOCA A., ŞAHİNER N.
Nanotechnology, vol.35, no.2, 2024 (SCI-Expanded)
- II. **Metal Phthalocyanine Sensitized Photoelectrochemical Cell Assembling with Azide-Functionalized Reduced Graphene and Quaternary Metal Chalcogenide Composites**
Ezgi Varol D., UĞUZ NELİ Ö., BUDAK Ö., KESKİN B., KOCA A.
ChemElectroChem, 2024 (SCI-Expanded)
- III. **Structural, physicochemical and anticancer study of Zn complexes with pyridyl-based thiazolyl-hydrzones**
Araškov J. B., Maciejewska N., Olszewski M., Višnjevac A., Blagojević V., Fernandes H. S., Sousa S. F., Puerta A., Padrón J. M., Holló B. B., et al.
Journal of Molecular Structure, vol.1281, 2023 (SCI-Expanded)
- IV. **Design of novel metal chalcogenide photoanodes supported with reduced graphene oxide for improvement of photoelectrochemical hydrogen evolution**
Neli Ö., BUDAK Ö., KARACA ALBAYRAK F., KESKİN B., ÖZKAYA A. R., KOCA A.
Journal of Photochemistry and Photobiology A: Chemistry, vol.440, 2023 (SCI-Expanded)
- V. **Crystal structures, antioxidant, electrochemical and in-situ spectroelectrochemical properties of new bisthiocarbohydrazones and their Ni(II) complexes**
KAYA Y., ERÇAĞ A., Uğuz Ö., Zorlu Y., KOCA A.
Inorganica Chimica Acta, vol.549, 2023 (SCI-Expanded)
- VI. **A detailed experimental and computational study of Cd complexes with pyridyl-based thiazolyl-hydrzones**
Kokanov S. B., Filipovic N. R., Visnjevac A., Nikolic M., Novakovic I., Janjic G., Hollo B. B., Ramotowska S., Nowicka P., Makowski M., et al.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.37, no.1, 2023 (SCI-Expanded)
- VII. **Regioselective synthesis of novel 5-nitro-naphthoquinone derivatives: Electrochemistry and in-situ spectroelectrochemistry properties**
DENİZ N. G., Abdassalam A. F. S., SAYIL M. Ç., UĞUZ NELİ Ö., KOCA A.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.431, 2022 (SCI-Expanded)
- VIII. **Utilization of pyrazole-perimidine hybrids bearing different substituents as corrosion inhibitors for 304 stainless steel in acidic media**
Ugus Ö., GÜMÜŞ M., SERT Y., KOCA İ., KOCA A.
Journal of Molecular Structure, vol.1262, 2022 (SCI-Expanded)
- IX. **Simultaneous electrochemical deposition of nickel cobalt oxide-reduced graphene oxide composites for high performance asymmetric supercapacitors**
BUDAK Ö., UĞUZ Ö., KOCA A.
JOURNAL OF ENERGY STORAGE, vol.47, 2022 (SCI-Expanded)
- X. **Simultaneous electrodeposition of electrochemically reduced graphene oxide-binary metal**

- chalcogenide composites to enhance photoelectrochemical performance**
 UĞUZ Ö., BUDAK Ö., KOCA A.
 International Journal of Hydrogen Energy, vol.46, pp.35290-35301, 2021 (SCI-Expanded)
- XI. **Hybrid photoelectrochemical-photocatalytic hydrogen evolution reaction with reduced graphene oxide-binary metal chalcogenide composites**
 UĞUZ Ö., KOCA A.
 INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.45, no.13, pp.19303-19315, 2021 (SCI-Expanded)
- XII. **New asymmetric bisthiocarbohydrazones and their mixed ligand nickel(II) complexes: Synthesis, characterization, crystal structure, electrochemical-spectroelectrochemical property, antimicrobial and antioxidant activity**
 KAYA Y., ERÇAĞ A., UĞUZ Ö., KOCA A., Zorlu Y., HACIOĞLU M., Seher Birteksöz Tan A.
Polyhedron, vol.207, 2021 (SCI-Expanded)
- XIII. **Solar-hydrogen production with reduced graphene oxide supported Cd_xZn_{1-x}S photocatalysts**
 Tanişik İ., UĞUZ Ö., Akyüz D., Zunain Ayaz R. M., SARİOĞLU C., Karaca F., ÖZKAYA A. R., KOCA A.
 International Journal of Hydrogen Energy, vol.45, no.60, pp.34845-34856, 2020 (SCI-Expanded)
- XIV. **Photoelectrochemical performance of thermally sulfurized Cd_xZn_{1-x}S photoanode: Enhancement with reduced graphene oxide support**
 Zunain Ayaz R., Akyüz D., UĞUZ Ö., Tanışik İ., SARİOĞLU C., Karaca F., ÖZKAYA A. R., KOCA A.
RENEWABLE ENERGY, vol.162, pp.182-195, 2020 (SCI-Expanded)
- XV. **Combustion kinetics of lignite preheated under oxygen-enriched conditions**
 Uguz Ö., Haykiri-Acma H., Yaman S.
ENERGY & ENVIRONMENT, vol.31, no.5, pp.813-824, 2020 (SSCI)
- XVI. **Burning Resistance of Lignitic Coals Under Oxygen-Enriched Conditions**
 UĞUZ Ö., Haykiri-Acma H., Yaman S.
JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.142, no.8, 2020 (SCI-Expanded)
- XVII. **Metal chalcogenide based photocatalysts decorated with heteroatom doped reduced graphene oxide for photocatalytic and photoelectrochemical hydrogen production**
 Akyüz D., Zunain Ayaz R. M., Yilmaz S., UĞUZ Ö., SARİOĞLU C., Karaca F., ÖZKAYA A. R., KOCA A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.34, pp.18836-18847, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Photoelectrochemical Performance of Cd_{0.8}Zn_{0.2}S_xSe_{1-x} Photoelectrodes Fabricated by Electrodeposition Method**
 Budak Ö., Uğuz Neli Ö., Koca A.
 6 th International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Turkey, 23 - 26 January 2022
- II. **Fabrication of Azide-Functionalized Reduced Graphene Oxide Bearing and ZnPc Decorated Cd_{0.6}Zn_{0.2}Ni_{0.2}S_{0.2}Se_{0.8} Photoelectrode and Its Photoelectrochemical Properties /**
 Uğuz Neli Ö., Budak Ö., Varol D. E., Keskin B., Koca A.
 6th International Hydrogen Technologies Congress, Çanakkale, Turkey, 23 - 26 January 2022, pp.104-106
- III. **Studies on the Photoelectrochemical Performance of Mo, Ni and Cu Decorated RGO-CdS_{0.2}Se_{0.8} Photoelectrodes Fabricated by Electrodeposition Method**
 Uğuz Neli Ö., Budak Ö., Başey A. N., Koca A.
 72nd Annual ISE Meeting, Jeju-Si, South Korea, 29 August - 03 September 2021, pp.114-115
- IV. **Photoelectrochemical Performance of RGO-CdS_{0.2}Se_{0.8} Photoelectrodes Prepared by One-step Electrodeposition Method**
 Budak Ö., Uğuz Neli Ö., Başey A. N., Koca A.
 72nd Annual Meeting of the International Society of Electrochemistry, Jeju-Si, South Korea, 29 August - 03 September 2021

- V. **Analyzing various parameters on supercapacitor performance**
BUDAK Ö., UĞUZ Ö., KOCA A.
2nd International Eurasian Conference on Science, Engineering and Technology, Gaziantep, Turkey, 7 - 09 October 2020
- VI. **Enhanced Photoelectrochemical activity of Reduced Graphene Oxide decorated Cd_xZn_{1-x}S photocatalyst for Hydrogen Production**
AYAZ R. M. Z., AKYÜZ ÇUBUKÇU D., UĞUZ Ö., TANIŞIK İ., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
4th International Hydrogen Technologies Congress, IHTEC, 20 - 23 June 2019
- VII. **Photoelectrochemical-Photocatalytic Dual Hydrogen Production System**
UĞUZ Ö., AKYÜZ D., AYAZ R. M. Z., YILMAZ S., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
4th International Hydrogen Technologies Congress, 20 - 23 June 2019
- VIII. **Photoelectrochemical-Photocatalytic Dual Hydrogen Production of RGO-Cd_{1-x}Zn_xS**
UĞUZ Ö., AKYÜZ ÇUBUKÇU D., AYAZ R. M. Z., YILMAZ S., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
4th International Hydrogen Technologies Congress, IHTEC, 20 - 23 June 2019
- IX. **Applicability of regression analysis on the oxygen enriched combustion of Kutahya-Tuncbilek lignite**
UĞUZ Ö., DEMİRCİ A., AÇMA H., YAMAN S.
2nd International Conference on Pure and Applied Mathematics, Van, Turkey, 11 - 13 September 2018, pp.140
- X. **Applicability of regression analysis on the oxygen enriched combustion of AdiyamanGolbaşı lignite**
UĞUZ Ö., DEMİRCİ A., AÇMA H., YAMAN S.
2nd International Conference on Pure and Applied Mathematics, Van, Turkey, 11 - 13 September 2018, pp.141
- XI. **Electrochemical Sensing Applications of Metallophthalocyanines (MPCs)**
UĞUZ Ö., AKYÜZ ÇUBUKÇU D., KOCA A.
69th Annual ISE Meeting, 2 - 07 September 2018
- XII. **Characterization Study of Kütahya-Tunçbilek Lignite during Oxygen Enriched Combustion**
UĞUZ Ö., AÇMA H., YAMAN S.
14th International Combustion Symposium INCOS2018, Karabük, Turkey, 25 - 27 April 2018, vol.1, pp.360-364
- XIII. **Photoelectrochemical Hydrogen Production Using Cd(1-x)Zn_xS and Its Modifications with Graphene Derivatives**
UĞUZ Ö., AKYÜZ D., AYAZ R. M. Z., TANIŞIK İ., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
3rd International Hydrogen Technologies Congress, 15 - 18 March 2018
- XIV. **Active Photocatalysts Designed by Sulphurization Method for Hydrogen Production**
TANIŞIK İ., AKYÜZ D., AYAZ R. M. Z., UĞUZ Ö., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
3rd International Hydrogen Technologies Congress, 15 - 18 March 2018
- XV. **Hydrogen Production from Water as Photoelectrochemical by using Solar Light Irradiation**
AYAZ R. M. Z., AKYÜZ D., UĞUZ Ö., TANIŞIK İ., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
3rd International Hydrogen Technologies Congress, 15 - 18 March 2018
- XVI. **The Effect of Co-Catalyst and Novel Heterogeneous Active Photocatalysts for Hydrogen Evolution Under Solar Energy**
AKYÜZ D., UĞUZ Ö., TANIŞIK İ., AYAZ R. M. Z., SARIOĞLU C., KARACA ALBAYRAK F., ÖZKAYA A. R., KOCA A.
3rd International Hydrogen Technologies Congress, 15 - 18 March 2018
- XVII. **Thermal Analyses of Turkish Lignites During Combustion**
UĞUZ Ö., AÇMA H., YAMAN S.
International Conference on Applications in Chemistry and Chemical Engineering, 11 - 15 October 2017
- XVIII. **Kinetic Study of Kütahya-Tunçbilek Lignite during Oxygen Enriched Conditions**
YAMAN S., UĞUZ Ö., AÇMA H.
2nd International Conference on Advanced Engineering Technologies-ICADET, Bayburt, Turkey, 21 - 23 September 2017, vol.1, pp.726-731
- XIX. **Kinetics Study of Adiyaman-Gölbaşı Lignite during Oxygen Enriched Combustion**
UĞUZ Ö., AÇMA H., YAMAN S.

- FCE 2017, 6th Int. Conf. on Renewable Fuels, Combustion and Fire, Nevşehir, Turkey, 18 - 21 May 2017, vol.1, pp.177-184
- XX. **Combustion of Tuncbilek Lignite in Oxygen Enriched Atmosphere**
UĞUZ Ö., AÇMA H., YAMAN S.
8th Ege Energy Symposium and Exhibition, 11 May 2016 - 13 April 2018
- XXI. **Combustion of Adiyaman-Golbaşı Lignite in Oxygen Enriched Atmosphere**
UĞUZ Ö., AÇMA H., YAMAN S.
Eurasia 2016 Waste Management Symposium, 2 - 04 May 2016

Supported Projects

Koca A., TUBITAK Project, Fotoelektrokimyasal hidrojen üretim sistemleri için 'indirgenmiş grafen oksit/metal kalkojen/metalli ftalosiyanın' temelli fotoelektrotların hazırlanması, 2020 - 2022

Koca A., TUBITAK Project, Fotoelektrokimyasal-Fotokatalitik Hidrojen Üretim Reaksiyonları (PEPCHER) ile Saf Hidrojen Üretimi, 2017 - 2019

Metrics

Publication: 38
Citation (WoS): 55
Citation (Scopus): 92
H-Index (WoS): 4
H-Index (Scopus): 6

Congress and Symposium Activities

4th International Hydrogen Technologies Congress, Working Group, Edirne, Turkey, 2018
3rd International Hydrogen Technologies Congress, Working Group, Antalya, Turkey, 2018
ICACCHE(Internation Conference on Applications in Chemistry and Chemical Engineering, Working Group, Sarajevo, Bosnia And Herzegovina, 2017
6th International Conference on Renewable Fuels Combustion and Fire, Working Group, Nevşehir, Turkey, 2017
8th International Ege Energy Symposium&Exhibition, Working Group, Afyon, Turkey, 2016
Eurasia 2016 Waste Management Symposium, Working Group, İstanbul, Turkey, 2016