

Assoc. Prof. Ezgi TOPÇU

Personal Information

Office Phone: [+90 0442 231 4384](tel:+9004422314384)

Email: ezgitopcu@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/ezgitopcu>

International Researcher IDs

ScholarID: 8CKIpnoAAAAJ

ORCID: 0000-0003-1506-9089

ScopusID: 55892280800

Yoksis Researcher ID: 48496

Biography

1978 yılında Erzurum'da doğdu. İlköğrenimini Çanakkale'de ve orta öğrenimini Bursa'da tamamladı. 1996 yılında girdiği Gazi Üniversitesi Gazi Eğitim Fakültesi Kimya Öğretmenliği Bölümü'nden 2000 yılında mezun oldu. 2009 yılında Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya bilim dalında başladığı yüksek lisans eğitimini 2011 yılında tamamladı. 2012 yılında aynı bölümde doktora eğitimine başladı ve 2017 yılında doktora eğitimini tamamladı. Halen Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümünde Dr. Araştırma Görevlisi olarak çalışmalarına devam etmektedir.

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Turkey 2012 - 2017

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Turkey 2009 - 2011

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, MÜSTAKİL GRAFEN/POLİ(METİLEN MAVİSİ)/GÜMÜŞ NANOPARTİKÜL ELEKTROTUN HAZIRLANMASI, KARAKTERİZASYONU VE AMPEROMETRİK NADH SENSÖR UYGULAMASI , Atatürk Üniversitesi, Fen Fakültesi, Kimya/Analitik Kimya, 2017

Postgraduate, Poli(tiyonin) ince filmlerinin elektrokimyasal sentezi ve film oluşumuna etki eden faktörlerin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya, 2011

Research Areas

Chemistry, Analytical Chemistry, Electromagnetic Methods, Sensors, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Ataturk University, Fen Fakültesi, Kimya, 2011 - Continues

Courses

Elektrokimya Temel İlkeler, Postgraduate, 2022 - 2023
Analitik Kimya Laboratuvarı-I, Undergraduate, 2022 - 2023
Analitik Kimya, Undergraduate, 2021 - 2022, 2020 - 2021
Yüzey Analiz Teknikleri, Undergraduate, 2021 - 2022, 2020 - 2021
Analitik Kimya Laboratuvarı-I, Undergraduate, 2021 - 2022, 2020 - 2021
Kimya, Undergraduate, 2021 - 2022, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Three-dimensional FeNiP decorated graphene sponge: A novel flexible electrode for high-performance asymmetric supercapacitor**
ERÇARIKCI E., TOPÇU E., DAĞCI KIRANŞAN K.
Materials Research Bulletin, vol.165, 2023 (SCI-Expanded)
- II. **A flexible graphene paper electrochemical sensor with electrodeposited Ag and Ni nanoparticles for H_2O_2 detection**
ERÇARIKCI E., Kiransan K. D., TOPÇU E.
IEEE Sensors Journal, vol.23, no.7, pp.7087-7094, 2023 (SCI-Expanded)
- III. **Flexible supercapacitor electrodes based on modified binary metal phosphites on three dimensional graphene sponge**
Erçarıkcı E., Topçu E., Dağcı Kiranşan K.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.930, 2023 (SCI-Expanded)
- IV. **Design of metal phosphite decorated sponge materials for high-performance flexible battery-type supercapacitors**
Erçarıkcı E., Aksu Z., Topçu E., Dağcı Kiranşan K.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.15, pp.21661-21678, 2022 (SCI-Expanded)
- V. **Three-Dimensional ZnCo-MOF Modified Graphene Sponge: Flexible Electrode Material for Symmetric Supercapacitor**
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.
ENERGY & FUELS, vol.36, no.3, pp.1735-1745, 2022 (SCI-Expanded)
- VI. **ZnS Nanoparticles-decorated Composite Graphene Paper: A Novel Flexible Electrochemical Sensor for Detection of Dopamine**
Erçarıkcı E., Aksu Z., Topçu E., Dağcı Kiranşan K.
ELECTROANALYSIS, vol.34, no.1, pp.91-102, 2022 (SCI-Expanded)
- VII. **Graphene paper with electrodeposited NiCo₂S₄ nanoparticles as a novel flexible sensor for simultaneous detection of folic acid and ascorbic acid**
ERÇARIKCI E., Aksu Z., DAĞCI KIRANŞAN K., TOPÇU E.
DIAMOND AND RELATED MATERIALS, vol.121, 2022 (SCI-Expanded)
- VIII. **Conducting Polymer-Reduced Graphene Oxide Sponge Electrode for Electrochemical Detection Based on DNA Hybridization**
Dağcı Kiranşan K., Topçu E.
ACS APPLIED NANO MATERIALS, vol.3, no.6, pp.5449-5462, 2020 (SCI-Expanded)
- IX. **SnS₂-gC(3)N(4)/rGO Composite Paper as an Electrode for High-Performance Flexible Symmetric Supercapacitors**
Dağcı Kiranşan K., Topçu E.
SYNTHETIC METALS, vol.264, 2020 (SCI-Expanded)

- X. **Electrochemical simultaneous sensing of melatonin and ascorbic acid at a novel flexible B-RGO composite paper electrode**
Topçu E., Dağcı Kiranşan K.
DIAMOND AND RELATED MATERIALS, vol.105, 2020 (SCI-Expanded)
- XI. **Three-dimensional, free-standing, and flexible cobalt-based metal-organic frameworks/graphene composite paper: A novel electrochemical sensor for determination of resorcinol**
Topçu E.
MATERIALS RESEARCH BULLETIN, vol.121, 2020 (SCI-Expanded)
- XII. **Graphene Paper with Sharp-edged Nanorods of Fe-CuMOF as an Excellent Electrode for the Simultaneous Detection of Catechol and Resorcinol**
Dağcı Kiranşan K., Topçu E.
ELECTROANALYSIS, vol.31, no.12, pp.2518-2529, 2019 (SCI-Expanded)
- XIII. **Flexible gold nanoparticles/rGO and thin film/rGO papers: novel electrocatalysts for hydrogen evolution reaction**
Topçu E., Dağcı Kiranşan K.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.94, no.12, pp.3895-3904, 2019 (SCI-Expanded)
- XIV. **Flexible and freestanding catalase-Fe₃O₄/reduced graphene oxide paper: Enzymatic hydrogen peroxide sensor applications**
Kiranşan K., Aksoy M., Topçu E.
Materials Research Bulletin, vol.106, pp.57-65, 2018 (SCI-Expanded)
- XV. **Flexible and Free-standing PtNLS-MoS₂/Reduced Graphene Oxide Composite Paper: A High-Performance Rolled Paper Catalyst for Hydrogen Evolution Reaction**
Topçu E., Kiranşan K.
ChemistrySelect, vol.3, no.21, pp.5941-5949, 2018 (SCI-Expanded)
- XVI. **Free-standing and Flexible MoS₂/rGO Paper Electrode for Amperometric Detection of Folic Acid**
Kiranşan K., Topçu E.
Electroanalysis, vol.30, no.5, pp.810-818, 2018 (SCI-Expanded)
- XVII. **Surface-confined electropolymerization of pyronin Y in the graphene composite paper structure for the amperometric determination of dopamine**
Kiranşan K., Topçu E., Alanyalıoğlu M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.30, 2017 (SCI-Expanded)
- XVIII. **Free-standing Graphene/Poly(methylene blue)/AgNPs Composite Paper for Electrochemical Sensing of NADH**
Topçu E., Dağcı K., Alanyalıoğlu M.
Electroanalysis, vol.28, no.9, pp.2058-2069, 2016 (SCI-Expanded)
- XIX. **Electrochemical Formation of Poly(thionine) Thin Films: The Effect of Amine Group on the Polymeric Film Formation of Phenothiazine Dyes**
TOPÇU E., ALANYALIOĞLU M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.1, 2014 (SCI-Expanded)
- XX. **Electrochemical preparation of poly(methylene blue)/graphene nanocomposite thin films**
Erçarıkçı E., Dağcı K., Topçu E., Alanyalıoğlu M.
Materials Research Bulletin, vol.55, pp.95-101, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ag NPs-SnO₂/İndirgenmiş Grafen Oksit Kağıt: Süperkapasitör için Esnek Elektrot Materyali Üretimi**
Erçarıkçı E., Dağcı Kiranşan K., Topçu E.
Avrupa Bilim ve Teknoloji Dergisi, vol.32, pp.721-727, 2021 (Peer-Reviewed Journal)
- II. **P-nitrofenol'ün elektrokimyasal yöntemle belirlenmesi için esnek ve müstakil PtCu ile modifiye edilmiş grafen esaslı kağıt**

Dağcı Kiranşan K., Topçu E.

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.147-160, 2021 (Peer-Reviewed Journal)

III. **Preparation and characterization of self-standing and flexible CuS/rGO composite paper**

Topçu E., Dağcı Kiranşan K.

Turkish Journal of Analytical Chemistry, vol.2, no.1, pp.1-6, 2020 (Peer-Reviewed Journal)

IV. **Serbest Duran ve Esnek MnO₂/Grafen Kağıt Elektrot: Dopamin Tayini İçin Yeni Tip Amperometrik Sensör**

Topçu E.

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.1, pp.22-34, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ni AND Ag NANOPARTICLES DECORATED FLEXIBLE GRAPHENE PAPERS: THE COMPARISON OF TWO ELECTRODES FOR ELECTROCHEMICAL DETERMINATION OF H₂O₂**
Topçu E., Erçarıkçı E., Dağcı Kiranşan K.
INTERNATIONAL AEGEAN CONFERENCES ON NATURAL & MEDICAL SCIENCES-V, İzmir, Turkey, 20 - 22 December 2022, pp.118-119
- II. **Design of Ultralight FeCoP or FeZnP/Graphene Sponge Asymmetric Supercapacitor Electrodes**
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.
4th International Eurasian Conference on Science, Engineering and Technology, 14 December 2022
- III. **Ultralight and Flexible FeZnP/Graphene Sponge**
Erçarıkçı E., Dağcı Kiranşan K., Topçu E.
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.99-100
- IV. **Fabrication of Flexible ZnP/Graphene Sponge Material**
Aksu Z., Erçarıkçı E., Dağcı Kiranşan K., Topçu E.
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.101-102
- V. **A Flexible Freestanding Ag Nanoparticles Decorated Graphene Paper Electrode for Electrochemical Determination of H₂O₂**
TOPÇU E., ERÇARIKCI E., DAĞCI KIRANŞAN K.
5. International Conference on Life and Engineering Sciences, 19 May 2022
- VI. **Fabrication of Flexible FeP/Graphene Sponge Material for Asymmetric Supercapacitor**
AKSU Z., ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.
5. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, 19 May 2022
- VII. **Gradient Graphene Sponge Material Design for Solar Steam Generators**
DAĞCI KIRANŞAN K., ERÇARIKCI E., TOPÇU E., AKSU Z.
5. INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, 19 May 2022
- VIII. **Binary Metal Phosphite/Graphene Sponge: 3D Flexible Electrode for High-Performance Asymmetric Supercapacitor**
Erçarıkçı E., Dağcı Kiranşan K., Topçu E.
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 May 2022, pp.1-3
- IX. **Flexible and Ultralight CoZn-MOF/Reduced Graphene Oxide Sponge**
Erçarıkçı E., Dağcı Kiranşan K., Topçu E.
5th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE AGRICULTURE, Ağrı, Turkey, 21 - 23 September 2021, pp.228-235
- X. **ZnS Nanopartikül Katkılı Kompozit Grafen Kağıt: Seçici Dopamin Tayini İçin Yeni Bir Esnek Elektrokimyasal Sensör**
Erçarıkçı E., Aksu Z., Topçu E., Dağcı Kiranşan K.
33. Ulusal Kimya Kongresi, İstanbul, Turkey, 7 - 09 October 2021, pp.91
- XI. **PRODUCTION OF FLEXIBLE NiCo₂S₄/rGO NANOCOMPOSITE PAPER MATERIALS**
Erçarıkçı E., Dağcı Kiranşan K., Topçu E., Aksu Z.

International Symposium on Applied Sciences and Engineering, Erzurum, Turkey, 7 - 09 April 2021, pp.346-348

- XII. **Üç Boyutlu ve Esnek PEDOT:PSS/rGO Sünger Materyalin Hazırlanması ve Karakterizasyonu**
Dağcı Kırınşan K., Topçu E.
32. Ulusal Kimya Kongresi, Eskişehir, Turkey, 17 - 19 September 2020
- XIII. **3D, Flexible, and Free-standing Sponge Electrode for Electrochemical Detection with Methylene Blue Indicator Based on Hybridization of DNA**
Dağcı Kırınşan K., Topçu E.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 09 October 2020
- XIV. **CONDUCTING PEDOT:PSS-REDUCED GRAPHENE OXIDE SPONGE ELECTRODE FOR ELECTROCHEMICAL DETECTION BASED ON DNA HYBRIDIZATION**
Dağcı Kırınşan K., Topçu E.
3rd International Conference on Physical Chemistry and Functional Materials (PCFM-2020), Malatya, Turkey, 22 - 24 September 2020
- XV. **NiCu/Graphene Oxide Paper for Removal of Safranin Dye from Aqueous Solutions by Adsorption: A Facile Green Approach**
TOPÇU E.
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019
- XVI. **Hidrojen Evrim Reaksiyonları için Esnek bir Elektrokatalizör: Altın ince film kağıtlı rGO kağıt**
TOPÇU E., DAĞCI KIRANŞAN K.
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- XVII. **Yüksek Mekanik, Elektronik ve Esneklik Özelliklerine Sahip AgNi Alaşım Filmi ile Modifiye Edilmiş rGO Kağıt Materyaller**
TOPÇU E.
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- XVIII. **Flexible Gold Nanoparticles/Rgo Paper as Novel Electrocatalyst for Hydrogen Evolution Reaction**
Topçu E., Dağcı Kırınşan K.
2nd International Conference on Physical Chemistry and Functional Materials, Nevşehir, Turkey, 25 - 27 June 2019, pp.320-325
- XIX. **FABRICATION AND CHARACTERIZATION OF ZINC NANOPARTICLES DECORATED REDUCED GRAPHENE OXIDE PAPER**
TOPÇU E.
International Conference on Physical Chemistry and Functional Materials (PCFM19), 25 - 27 June 2019
- XX. **Characterization and Application of Composite Graphene Papers Prepared in Different Compositions**
DAĞCI KIRANŞAN K., TOPÇU E.
2nd International Congress on Semiconductor Materials and Devices, 28 - 30 August 2018
- XXI. **Porous Gold Film Loaded on Flexible Reduced Graphene Oxide Paper Prepared by Electrodeposition**
TOPÇU E., DAĞCI KIRANŞAN K.
14th Nanoscience and Nanotechnology Conference of Turkey (NANOTR-14 www.nanotr14.org), Antalya, Turkey, 22 - 25 September 2018, pp.42
- XXII. **Characterization and Applications of Composite Graphene Papers Prepared in Different Compositions**
DAĞCI KIRANŞAN K., TOPÇU E.
International Conference on Semiconductor Materials and Devices (ICSMD) and Functional Materials, Ardahan, Turkey, 28 - 30 August 2018, pp.42
- XXIII. **Flexible and Free-Standing Graphene Oxide Paper Decorated with Metal Organic Frameworks**
DAĞCI KIRANŞAN K., TOPÇU E.
International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018
- XXIV. **Fabrication and Characterization of Gold Nanoparticles Decorated Reduced Graphene Oxide Paper**
TOPÇU E., DAĞCI KIRANŞAN K.
International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018

- XXV. **Free-Standing and Flexible MoS₂/rGO Paper Electrode for Amperometric Dedection of Folic Acid**
DAĞCI KIRANŞAN K., TOPÇU E.
13. Nanoscience and Nanotechnology Conference, 22 - 25 October 2017
- XXVI. **Characterization and Preparation Free-Standing and Flexible Pt-MoS₂/rGO Paper Electrode for Hydrogen Evolution Reaction**
DAĞCI KIRANŞAN K., TOPÇU E., Erçarıkçı e.
ANCON, 5 - 07 October 2017
- XXVII. **Free-standing Graphene-Based Papers for Electrochemical Sensor Applications**
DAĞCI KIRANŞAN K., TOPÇU E., AKSU Z., ALANYALIOĞLU M.
Matrafüred 2017, 11 - 16 June 2017
- XXVIII. **FLEXIBLE AND FREESTANDING CATALASE-Fe₃O₄/REDUCED GRAPHENE OXIDE HYBRIDE PAPER: ENZYMATIC HYDROGEN PEROXIDE SENSOR APPLICATIONS**
DAĞCI KIRANŞAN K., AKSOY M., TOPÇU E.
International DNA Day and Genom Congress, 24 - 28 April 2017
- XXIX. **Flexible and Electrically Conductive Fe₃O₄ rGO Paper Electrode and Its Catalytical Application**
DAGCI K., TOPÇU E., AKSOY M., ALANYALIOĞLU M.
Graphene Turkey, 20 - 21 October 2016
- XXX. **FABRICATION and AMPEROMETRIC SENSOR APPLICATION of FREE STANDING GRAPHENE PAPER ELECTRODES DECORATED with DYE POLYMERS**
DAĞCI KIRANŞAN K., TOPÇU E., ALANYALIOĞLU M.
INTERNATIONAL WORKSHOP ON SPECIALTOPICS ON POLYMERIC COMPOSITES, 24 - 26 February 2016
- XXXI. **A sensitive NADH biosensor based on flexible and free standing graphene poly MB AgNPs paper**
TOPÇU E., ERÇARIKCI E., Bayındır O., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.
ICREA Workshop on Graphene Nanobiosensors, 25 March 2015
- XXXII. **ROLE OF PREPARATION PROCEDURE OF GRAPHENE ON THE ELECTROCHEMICAL PERFORMANCE OF FREE STANDING GRAPHENE METHYLENE BLUE SILVER NANOPARTICLE COMPOSITE ELECTRODES**
TOPÇU E., Bayındır O., ERÇARIKCI E., DAĞCI KIRANŞAN K., Öztürk A., ALANYALIOĞLU M.
NANOCON 2014, Brno, Czech Republic, 5 - 07 November 2014, pp.102
- XXXIII. **Preparation Of Highly Conductive, Flexible, And Free-standing Graphene Composite Paper**
TOPÇU E., DAĞCI KIRANŞAN K., ERÇARIKCI E., Öztürk A., ALANYALIOĞLU M.
Nanotr-10, 17 June 2014
- XXXIV. **Cooperative Effect Of Poly(methylene Blue) And Graphene On The Electrocatalytic Oxidation Of Nitrite**
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E., Bayındır O., ALANYALIOĞLU M.
10th International Electrochemistry Meeting, 04 September 2013
- XXXV. **ELECTROCHEMICAL SYNTHESIS OF HIGHLY ORIENTED TERNARY SEMICONDUCTIVE PbSeS THIN FILMS**
Demir Ş. B., Üst Ü. Ç., DAĞCI K., TOPÇU E., Erçarıkçı E., ALANYALIOĞLU M.
NANO-TR 9, Erzurum, Turkey, 24 - 28 June 2013
- XXXVI. **Electrochemical Preparation Of Graphene/poly(methylene Blue) Nanocomposite Thin Films**
ERÇARIKCI E., TOPÇU E., DAĞCI KIRANŞAN K., ALANYALIOĞLU M., Pastor N. C.
Nanotechitaly 2012, 21 November 2012
- XXXVII. **GRAFEN POLY(METİLEN MAVİSİ) NANOKOMPOZİT YAPILARININ ELEKTROKİMYASAL SENTEZİ**
ERÇARIKCI E., TOPÇU E., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.
6. ULUSAL ANALİTİK KİMYA KONGRESİ, Turkey, 3 - 07 September 2012
- XXXVIII. **Surface confined electropolymerization of methylene blue monolayers**
DAĞCI KIRANŞAN K., Kaplan İ. H., Kalyoncu E., TOPÇU E., ALANYALIOĞLU M.
25. Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2011
- XXXIX. **Investigation of nucleation and growth mechanism during formation of poly azure A**
Kalyoncu E., DAĞCI KIRANŞAN K., Kaplan İ. H., TOPÇU E., ALANYALIOĞLU M.
Nano-TR-6, 15 - 18 June 2010
- XL. **Effect of surfactants on the formation of poly azure A thin films**

Supported Projects

- Alanyalıoğlu M., Dağcı Kıranşan K., Topçu E., Erçarıkçı E., Gültekin D., TUBITAK Project, Gradient yapıya sahip, perilen ve porfirin türevi supramolekül modifiye grafen esaslı materyaller kullanılarak sürdürülebilir su arıtma sistemi uygulamaları, 2021 - 2024
- Topçu E., Dağcı Kıranşan K., Erçarıkçı E., TUBITAK Project, Serbest Duran ve Esnek MnCo₂O₄ Dekore Edilmiş Grafen Kağıt Elektrot Tasarımı Ve Parasetamol Tayini Uygulaması, 2022 - 2023
- Topçu E., Dağcı Kıranşan K., Erçarıkçı E., TUBITAK Project, H₂O₂'nin Elektrokimyasal Tayini için Ag/Ni Nanopartikül Kaplı Esnek Kağıt Grafen Elektrotların Üretilmesi ve Uygulanması, 2021 - 2022
- Dağcı Kıranşan K., Topçu E., Erçarıkçı E., TUBITAK Project, Fexp (X: Ni, Co, Zn) Yapıları İle Modifiye Edilen Grafen Sünger Elektrotlar Kullanılarak Yüksek Performanslı Asimetrik Süper Kapasitörlerin Tasarımı Ve Uygulamaları, 2021 - 2022
- Dağcı Kıranşan K., Topçu E., Erçarıkçı E., Aksu Z., Project Supported by Higher Education Institutions, Asimetrik Süperkapasitör Tasarımı için FeP ve ZnP ile Modifiye Edilen Esnek Grafen Materyaller, 2021 - 2022
- AKBULUT N., MENZEK A., DAŞTAN A., EKİNCİ D., KILIÇ H., ÖZDEMİR H., KAZAZ C., SARAÇOĞLU N., ONGANER Y., ŞAHİN E., et al., Project Supported by Higher Education Institutions, Kimya Bölümünün Akademik Araştırma Potansiyelinin Geliştirilmesi, 2019 - 2021
- Dağcı Kıranşan K., Topçu E., TUBITAK Project, Esnek ve Uç Boyutlu Yapıda Grafen/PEDOT-PSS Müstakil Kompozit Elektrotların Hazırlanması ve Elektrokimyasal DNA Biyosensör Uygulamaları, 2019 - 2021
- DAĞCI KIRANŞAN K., TOPÇU E., Project Supported by Higher Education Institutions, 3 Boyutlu Yüzeğe Sahip Porlu Esnek ve Müstakil FeCuMOFs/rGO Kağıtların Hazırlanması ve Karakterizasyonu Bu kompozit Kağıt Elektrotlar Kullanılarak Katekol ve Resorsinolün Eş Zamanlı Olarak Belirlenmesi, 2019 - 2020
- Topçu E., Dağcı Kıranşan K., TUBITAK Project, ALTIN NANOPARTİKÜL VE ALTIN İNCE FİLM KAPLI ESNEK GRAFEN KAĞIT KATALİZÖRLERİN HAZIRLANMASI VE HİDROJEN OLUŞUM REAKSİYONUNDAKİ AKTİVİTELERİNİN KARŞILAŞTIRILMASI, 2018 - 2019
- DAĞCI KIRANŞAN K., TOPÇU E., Project Supported by Higher Education Institutions, Grafen/MoS₂ ve Pt nanopartikülleri-Grafen/MoS₂ Kağıt Elektrotların Hazırlanması Karakterizasyonu ve Folik Asidin Amperometrik Belirlenmesinde Kullanılması, 2017 - 2019
- ALANYALIOĞLU M., TOPÇU E., DAĞCI KIRANŞAN K., Project Supported by Higher Education Institutions, POLİ(PYRONİN Y)/GRAFEN MÜSTAKİL KAĞIT ELEKTROTLARIN HAZIRLANMASI VE NİTRİTİN AMPEROMETRİK TAYİNİNDE KULLANILMASI, 2014 - 2016
- ALANYALIOĞLU M., TOPÇU E., DAĞCI KIRANŞAN K., Project Supported by Higher Education Institutions, POLİ İNCE FİMLERİNİN ELEKTROKİMYASAL SENTEZİ VE KARAKTERİZASYONU, 2011 - 2013
- ALANYALIOĞLU M., TOPÇU E., DAĞCI KIRANŞAN K., Project Supported by Higher Education Institutions, POLİMERİK PYRONİN Y İNCE FİMLERİNİN ELEKTROKİMYASAL SENTEZİ VE BİYOSENSÖR ÖZELİKLERİNİN İNCELENMESİ, 2011 - 2013

Scientific Refereeing

- SENSORS, Journal Indexed in SCI-E, December 2022
- COATINGS, Journal Indexed in SCI-E, December 2022
- Dergipark-Journal of the Turkish Chemical Society Section A: Chemistry, National Scientific Refreed Journal, December 2022
- BIOSENSORS, Journal Indexed in SCI-E, November 2022
- APPLIED SCIENCES, Journal Indexed in SCI-E, November 2022
- POLYMERS, Journal Indexed in SCI-E, October 2022
- Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, August 2022

Dergipark-Uluslararası Doğu Anadolu Fen Mühendislik ve Tasarım Dergisi, National Scientific Refreed Journal, July 2022
MICROMACHINES, Journal Indexed in SCI-E, June 2022
Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, June 2022
TUBITAK Project, 1002 - Quick Support Program, University Of Higher Specialization, Turkey, April 2022
ELECTROCHIMICA ACTA, Journal Indexed in SCI-E, February 2022
ACS APPLIED NANO MATERIALS, Journal Indexed in SCI-E, December 2020
Nano, Journal Indexed in SCI-E, September 2020
Firat Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, September 2020
Microchemical Journal, Journal Indexed in SCI-E, September 2020

Tasks In Event Organizations

Dağcı Kıranşan K., TOPÇU E., International Aegean Conferences on Natural & Medical Sciences-VI, Scientific Congress, Turkey, Aralık 2022
Öznülüer Özer T., Şenkuytu E., Kishalı N., Sevim M., Tanrıverdi Eçik E., Atmaca U., Çepni E., Bayrakçeken Nişancı F., Topçu E., Kılıç H., et al., KİMYADAN GÜZELLİĞE:KOZMETİK, Workshop Organization, Erzurum, Turkey, Kasım 2022
Dağcı Kıranşan K., Topçu E., International Conference on Engineering Sciences, Scientific Congress, Azerbaijan, Kasım 2022
İleritürk M., Aktaş Şenocak E., Akköse A., Gedikli S., Topçu E., Açışlı Ö., AL-FARABI 4th INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Scientific Congress, Erzurum, Turkey, Ağustos 2022
Sağsöz M. E., Bayrakçeken H., Nişancı B., Erkayman B., Dağcı Kıranşan K., Nadaroğlu H., Usanmaz B., Bozkurt F., Gür E., Dal D., et al., 2nd International Symposium on Applied Sciences and Engineering (ISASE2021), Scientific Congress, Erzurum, Turkey, Nisan 2021

Metrics

Publication: 66
Citation (WoS): 307
Citation (Scopus): 327
H-Index (WoS): 12
H-Index (Scopus): 12

Congress and Symposium Activities

1. Ulusal Elektrokimya ve Biyosensör Uygulamaları Çalıştayı, Attendee, Bilecik, Turkey, 2021
33. Ulusal Kimya Kongresi, Session Moderator, Tekirdağ, Turkey, 2021
2nd International Symposium on Applied Sciences and Engineering (ISASE2021), Attendee, Erzurum, Turkey, 2021
2nd International Conference on Physical Chemistry & Functional Materials PCFM'19, Attendee, Nevşehir, Turkey, 2019
NanoTR14, Attendee, İzmir, Turkey, 2018
International Conference on Physical Chemistry and Functionala Materials, Elazığ, Attendee, Elazığ, Turkey, 2018
ANCON, Attendee, Ankara, Turkey, 2017
Nano-TR-13, Attendee, Antalya, Turkey, 2017
Matrafured 2017-International Conference On Electrochemical Sensors, Attendee, Hungary, 2017
International DNA Day and Genom Congress (IDDGC), Attendee, Kırşehir, Turkey, 2017
Graphene Turkey, Attendee, İstanbul, Turkey, 2016
Fabrication and amperometric sensor application of free-standing graphene paper electrodes decorated with dye polymers, Attendee, İzmir, Turkey, 2016

ICREA Workshop on Graphene Nanobiosensors, Attendee, Barcelona, Spain, 2015
NANOCON 2014, Attendee, Czech Republic, 2014
NanoTR-10, Attendee, İstanbul, Turkey, 2014
10. ULUSLARARASI ELEKTROKİMYA KONGRESİ, Attendee, Konya, Turkey, 2013
NANO-TR 9, Attendee, Erzurum, Turkey, 2013
Nanotechitaly 2012, Attendee, Italy, 2012
6. ULUSAL ANALİTİK KİMYA KONGRESİ, Attendee, Hatay, Turkey, 2012
9. ELECTROCHEMISTRY CONGRESS, Attendee, İzmir, Turkey, 2011
25. ULUSAL KİMYA KONGRESİ, Attendee, Turkey, 2011
5. ANALİTİK KİMYA KONGRESİ, Attendee, Erzurum, Turkey, 2010
NANO-TR 6, Attendee, İzmir, Turkey, 2010

Awards

Bayrak B., Topçu E., Nişancı B., Bilimsel teşvik ödülü, Atatürk Üniversitesi, November 2022