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Biography

Elif ERÇARIKCI

Atatürk Üniversitesi

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 2017 - 2023

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya Abd, Turkey 2010 - 2014

Undergraduate, Ataturk University, Fen Fakültesi, Kimya, Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, 6th International Conference on Life and Engineering Sciences (ICOLES), Bayburt Üniversitesi ve Kocaeli Üniversitesi, 2023

Occupational Health and Safety, Çalışanların Temel İş sağlığı ve Güvenliği Eğitimi, Atatürk Üniversitesi, 2023
Education Management and Planning, Pedagojik formasyon, Atatürk Üniversitesi, 2010

Dissertations

Doctorate, AĞIR METAL İYONLARININ MEMBRAN FİLTASYON İLE GİDERİMİ VE VOLTAMETRİK TAYİNİNE YÖNELİK GRAFEN ESASLI ESNEK MATERYALLERİN ÜRETİMİ, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2023

Postgraduate, POLİ(METİLEN MAVİSİ)/GRAFEN NANOKOMPOZİT İNCE FİMLERİNİN SENTEZİ VE ELEKTROKATALİTİK UYGULAMALARI, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2014

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Ataturk University, Fen Fakültesi, Kimya, 2023 - Continues

Research Assistant, Ataturk University, Fen Fakültesi, Kimya, 2018 - 2023

Academic and Administrative Experience

Internship Committee Member, Ataturk University, Fen Fakültesi, Kimya, 2023 - Continues

Birim Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Kimya, 2022 - Continues

Courses

Elektrokimyasal Teknikler, Postgraduate, 2023 - 2024

Enstrümental Analiz ve Laboratuvarı, Undergraduate, 2024 - 2025

Analitik Kimya Laboratuvarı II, Undergraduate, 2023 - 2024

Kimya, Undergraduate, 2024 - 2025

Elektroorganik Kimya, Postgraduate, 2023 - 2024

Analitik Kimya Laboratuvarı I, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Supramolecular Modification of Graphene Sponge with a Porphyrin Derivative Enhances the Photothermal Conversion Efficiency of a Solar Steam Generator**
Erçarıkçı E., Demirci Gültekin D., Topçu E., Kudaş Z., Alanyahoğlu M., Dağcı Kıranşan K.
ACS Applied Materials and Interfaces, vol.16, no.45, pp.61910-61920, 2024 (SCI-Expanded)
- II. **Paracetamol sensing with a flexible graphene paper electrode modified with MnCo2O4**
Shafiyev M., Erçarıkçı E., Dağcı Kıranşan K., Topçu E.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.99, no.12, pp.2582-2591, 2024 (SCI-Expanded)
- III. **An effective material for solar steam generation applications: Gradient graphene sponge**
Erçarıkçı E., Topçu E., Kudaş Z., Aksu Z., Alanyahoğlu M., Dağcı Kıranşan K.
Materials Today Sustainability, vol.26, no.26, pp.100701, 2024 (SCI-Expanded)

- IV. **Three-dimensional FeNiP decorated graphene sponge: A novel flexible electrode for high-performance asymmetric supercapacitor**
Erçarıkcı E., Topçu E., Dağcı Kiranşan K.
Materials Research Bulletin, vol.165, 2023 (SCI-Expanded)
- V. **Design and synthesis of a MnCo-MOF modified flexible 3D graphene sponge electrode for an asymmetric supercapacitor with high power and energy density**
Erçarıkcı E., Topçu E., Dağcı Kiranşan K.
JOURNAL OF MATERIALS CHEMISTRY C, vol.11, no.11, pp.9593-9601, 2023 (SCI-Expanded)
- VI. **A Flexible Graphene Paper Electrochemical Sensor With Electrodeposited Ag and Ni Nanoparticles for H₂O₂ Detection**
Erçarıkcı E., Kiransan K., Topçu E.
IEEE SENSORS JOURNAL, vol.23, no.7, pp.7087-7094, 2023 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **Fabrication of flexible graphene oxide paper-like adsorbent doped with magnetite nanoparticles for removal of dyes**
Kontas Y. B., ERÇARIKCI E., ALANYALIOĞLU M.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.47, pp.3853-3865, 2021 (SCI-Expanded)
- XIII. **Dual-Functional Graphene-Based Flexible Material for Membrane Filtration and Electrochemical Sensing of Heavy Metal Ions**
ERÇARIKCI E., ALANYALIOĞLU M.
IEEE Sensors Journal, vol.21, no.3, pp.2468-2475, 2021 (SCI-Expanded)
- XIV. **Amperometric Quantification of NADH Based on Graphene/Methylene Blue Nanocomposite Thin Films on Au(111)**
ERÇARIKCI E., BAYINDIR O., ALANYALIOĞLU M.
POLYMER COMPOSITES, vol.-, 2016 (SCI-Expanded)
- XV. **Electrochemical preparation of poly(methylene blue)/graphene nanocomposite thin films**
Erçarıkcı E., Dagcı 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 Kıranşan K., Topçu E.
Avrupa Bilim ve Teknoloji Dergisi, vol.32, pp.721-727, 2021 (Peer-Reviewed Journal)
- II. **Fabrication of Reduced Graphene Oxide Paper Doped with Zinc Oxide Nanoparticles as Flexible Electrode Material**
Erçarıkçı E., Alanyaloğlu M.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.1, pp.182-188, 2021 (Peer-Reviewed Journal)
- III. **Comparison of Polyol and Hydrothermal Methods for Synthesis of Zinc Oxide Nanoparticles**
Erçarıkçı E., Alanyaloğlu M.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.1, pp.175-181, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Zn MOF DECORATED GRAPHENE PAPER: FLEXIBLE AND FREESTANDING ELECTRODE MATERIAL**
Erçarıkçı E., Çepni E.
INTERNATIONAL BIOTECHNOLOGY AND NANOTECHNOLOGY CONGRESS, Ardahan, Turkey, 30 October - 01 November 2024, pp.10-11
- II. **MnCo₂O₄ Modified Flexible Graphene Paper for Electrochemical Sensing of Paracetamol**
Shafiyev M., Topçu E., Erçarıkçı E., Dağcı Kıranşan K.
International Conference on Engineering, Natural Sciences, and Technological Developments (ICENSTED 2024), Balıkesir, Turkey, 19 - 21 July 2024, pp.10-11
- III. **Grafen Esaslı Esnek Kağıt Sensör Materyali Üretimi ve Askorbik Asitin Elektrokimyasal Belirlenmesinde Kullanımı**
Kireççi B., Çepni E., Erçarıkçı E.
1. Ulusal Moleküler Biyoloji ve Genetik Öğrenci Kongresi, Erzurum, Turkey, 19 - 21 April 2024, pp.20-21
- IV. **Gradient Graphene Sponge for Solar Steam Generation Applications**
Dağcı Kıranşan K., Topçu E., Erçarıkçı E.
International Conference on Engineering, Natural Sciences, and Technological Developments (ICENSTED 2024), Balıkesir, Turkey, 19 - 21 July 2024, pp.10-11
- V. **Preparation and Characterization of MnCo₂O₄ Modified Flexible Graphene Paper**
Shafiyev M., Topçu E., Erçarıkçı E., Dağcı Kıranşan K.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.10-23
- VI. **A Flexible Graphene Paper with Ag and Ni Nanoparticles for H₂O₂ Detection**
Topçu E., Erçarıkçı E., Dağcı Kıranşan K.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.98-109
- VII. **Fabrication of MOF-derived Fe₂O₃ Nanoparticles-decorated Composite Reduced Graphene Oxide Paper Electrode**
Erçarıkçı E., Dağcı Kıranşan K., Topçu E.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.40
- VIII. **Supramolecules Modified Gradient Graphene Sponge Material for Solar Steam Generators**
Dağcı Kıranşan K., Erçarıkçı E., Topçu E.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.31
- IX. **MOF-containing Graphene Sponge Design for Sustainable Water Purification System Applications**
KARAKAŞ A., DAĞCI KIRANŞAN K., ERÇARIKCI E., TOPÇU E.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES ANTALYA, TURKEY ICOLES 2023, 2 - 05 November 2023

- X. **Production of Flexible Reduced Graphene Oxide Paper-Based Sensor for Electrochemical Sensing**
ERÇARIKCI E., ÇEPNİ E.
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Antalya, Turkey, 2 - 05 November 2023
- XI. **Ni AND Ag NANOPARTICLES DECORATED FLEXIBLE GRAPHENE PAPERS: THE COMPARISON OF TWO ELECTRODES FOR ELECTROCHEMICAL DETERMINATION OF H₂O₂**
Topçu E., Erçarıkci E., Dağcı Kıranşan K.
INTERNATIONAL AEGEAN CONFERENCES ON NATURAL & MEDICAL SCIENCES-V, İzmir, Turkey, 20 - 22 December 2022, pp.118-119
- XII. **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
- XIII. **Production of FeCoP/Graphene Sponge for Flexible Asymmetric Supercapacitor Electrode Material**
Erçarıkci E., Dağcı Kıranşan K., Topçu E.
4th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 28 - 30 September 2022, pp.307-312
- XIV. **Ultralight and Flexible FeZnP/Graphene Sponge**
Erçarıkci E., Dağcı Kıranşan K., Topçu E.
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.99-100
- XV. **Fabrication of Flexible ZnP/Graphene Sponge Material**
Aksu Z., Erçarıkci E., Dağcı Kıranşan K., Topçu E.
13th Chemical Physics Congress, Elazığ, Turkey, 7 - 08 October 2022, pp.101-102
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **Development of Multifunctional Ultralight and Flexible ThreeDimensional Reduced Graphene Oxide Sponge**
Erçarıkci E., Alanyahoğlu M.
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 May 2022
- XX. **Binary Metal Phosphite/Graphene Sponge: 3D Flexible Electrode for High-Performance Asymmetric Supercapacitor**
Erçarıkci E., Dağcı Kıranşan K., Topçu E.
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 May 2022, pp.1-3
- XXI. **Ag NPs-SnO₂/İndirgenmiş Grafen Oksit Kağıt: Süperkapasitör için Esnek Elektrot Materyali Üretimi**
ERÇARIKCI E., DAĞCI KIRANŞAN K., TOPÇU E.
International Conference on Design, Research and Development, Turkey, 15 December 2021
- XXII. **Flexible and Ultralight CoZn-MOF/Reduced Graphene Oxide Sponge**
Erçarıkci E., Dağcı Kıranşan K., Topçu E.
5th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE AGRICULTURE, Ağrı, Turkey, 21 - 23 September 2021, pp.228-235
- XXIII. **ZnS Nanopartikül Katkılı Kompozit Grafen Kağıt: Seçici Dopamin Tayini İçin Yeni Bir Esnek Elektrokimyasal Sensör**
Erçarıkci E., Aksu Z., Topçu E., Dağcı Kıranşan K.
33. Ulusal Kimya Kongresi, İstanbul, Turkey, 7 - 09 October 2021, pp.91

- XXIV. **PRODUCTION OF FLEXIBLE NiCo2S4/rGO NANOCOMPOSITE PAPER MATERIALS**
Erçarıkci E., Dağcı Kiranşan K., Topçu E., Aksu Z.
International Symposium on Applied Sciences and Engineering, Erzurum, Turkey, 7 - 09 April 2021, pp.346-348
- XXV. **Ağır Metal İyonlarının Membran Filtrasyon ile Giderimi ve Voltametrik Tayinine Yönelik Grafen Esaslı Esnek Materyallerin Üretimi**
Erçarıkci E., Alanyalıoğlu M.
3. Ulusal Karbon Konferansı, 11 - 12 March 2021, pp.54
- XXVI. **Preparation of Free-Standing And Flexible Graphene Oxide/ZnO Nanocomposite Papers**
ERÇARIKCI E., ALANYALIOĞLU M.
5. International Conferences on Engineering Natural Sciences, 22 - 24 December 2019
- XXVII. **Synthesis and characterization of ZnO nanostructures via a CTAB-assisted hydrothermal process**
ERÇARIKCI E., ALANYALIOĞLU M.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019
- XXVIII. **Fabrication of Reduced Graphene Oxide Based Flexible Membrane/Electrode**
ERÇARIKCI E., ALANYALIOĞLU M.
International Conference on Physical Chemistry and Functional Materials, 25 June 2019
- XXIX. **Preparation of ZnO Nanoparticles Using Polyol and Hydrothermal Methods**
ERÇARIKCI E., ALANYALIOĞLU M.
International Symposium on Applied Sciences and Engineering (ISASE2018), 26 November 2018
- XXX. **Graphene/Methylene Blue Nanocomposite Thin Films for Amperometric Sensing of NADH**
ERÇARIKCI E., Bayındır O., ALANYALIOĞLU M.
2th International Congress on Semiconductor Materials Devices, 28 August 2018
- XXXI. **The Synthesis of ZnO Nanoparticles by Different Routes and Their Dispersion in Graphene Oxide**
ERÇARIKCI E., ALANYALIOĞLU M.
Nanotr-14, 22 September 2018
- XXXII. **Grafen/poli(metilen Mavisi) Nanokompozit Yapılarının Elektrokimyasal Sentezi**
ERÇARIKCI E., TOPÇU E., DAĞCI KIRANŞAN K., ALANYALIOĞLU M.
6. Ulusal Analitik Kimya Kongresi, Turkey, 03 September 2012
- XXXIII. **Fabrication of Reduced Graphene Oxide Based Flexible Paper**
ERÇARIKCI E., ALANYALIOĞLU M.
International Conference on Physical Chemistry and Functional Materials, 19 June 2018
- XXXIV. **Characterization and Preparation Free-Standing and Flexible Pt-MoS2/rGO Paper Electrode for Hydrogen Evolution Reaction**
DAĞCI KIRANŞAN K., TOPÇU E., Erçarıkci e.
ANCON, 5 - 07 October 2017
- XXXV. **Electrochemical NADH sensor based on graphene dye nanocomposites**
ERÇARIKCI E., Bayındır O., ALANYALIOĞLU M.
International MicroNano Conference, 13 December 2016
- XXXVI. **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
- XXXVII. **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
- XXXVIII. **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
- XXXIX. **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

- XL. **Electrochemical Synthesis Of Highly-oriented Ternary Semiconductive Pbse(1-x)sx Thin Films**
Demir Ş. B., Üst Ü. Ç., DAĞCI KIRANŞAN K., TOPÇU E., ERÇARIKCI E., ALANYALIOĞLU M.
Nanotr-9, 24 June 2013
- XLI. **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
- XLII. **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

Supported Projects

- Erçarıkci E., İnan Ş. İ., Altuntaş F., TUBITAK Project, Riboflavinin Elektrokimyasal Tayinine Yönelik Ag Nanopartikül Dekore Edilmiş Esnek Grafen Kağıt Elektrotun Üretimi, 2024 - 2025
- Erçarıkci E., Tören S., Apaydın Ş., TUBITAK Project, AgCo MOF Katkılı Üç Boyutlu ve Esnek Grafen Sünger Elektrot Materyallerin Hazırlanması ve Karakterizasyonu, 2024 - 2025
- Erçarıkci E., Çepni E., TUBITAK Project, MCr2O4 (M: Fe, Zn) Dekore Edilmiş Grafen Sünger Elektrotların Üretimi ve Esnek Asimetrik Süperkapasitör Aygıt Tasarımı için Kullanımı/Uygulamaları, 2024 - 2025
- Dağcı Kiranşan K., Erçarıkci E., Topçu E., Karakaş A., Project Supported by Higher Education Institutions, Sürdürülebilir Su Arıtma Sistemi Uygulamaları için MOF içerikli Grafen Sünger Tasarımı, 2024 - 2025
- Dağcı Kiranşan K., Topçu E., Erçarıkci E., Kudaş Z., Aksu Z., Project Supported by Higher Education Institutions, Gradient Yapıya Sahip Perilen Ve Porfirin Türevi Supramolekül Modifiye Grafen Esaslı Materyaller Kullanılarak Sürdürülebilir Su Arıtma Sistemi Uygulamaları, 2022 - 2025
- Tüzemen Ş. M., Erçarıkci E., Çepni E., Gözğören T., Abdelaziz H., Demir H., Şamdan G. S., Erkal B., Aktaş Y. E., Ural S. S., et al., Project Supported by Higher Education Institutions, Oyuncak Atölyesi, 2023 - 2024
- Erçarıkci E., Kireççi B., TUBITAK Project, Askorbik Asitin Tayini için MnS ile Modifiye Edilmiş Esnek Grafen Kağıt Elektrot Tasarımı, 2023 - 2024
- Alanyalıoğlu M., Dağcı Kiranşan K., Topçu E., Erçarıkci 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 Kiranşan K., Erçarıkci E., TUBITAK Project, Serbest Duran ve Esnek MnCo2O4 Dekore Edilmiş Grafen Kağıt Elektrot Tasarımı Ve Parasetamol Tayini Uygulaması, 2022 - 2023
- Topçu E., Dağcı Kiranşan K., Erçarıkci E., TUBITAK Project, H2O2'nin Elektrokimyasal Tayini için Ag/Ni Nanopartikül Kaplı Esnek Kağıt GrafenElektrotların Üretilmesi ve Uygulanması, 2021 - 2022
- Dağcı Kiranşan K., Topçu E., Erçarıkci 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 Kiranşan K., Topçu E., Erçarıkci 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
- ALANYALIOĞLU M., ERÇARIKCI E., Project Supported by Higher Education Institutions, Ağır Metal İyonlarının Membran Filtrasyon ile Giderimi ve Voltametrik Tayinine Yönelik Grafen Esaslı Esnek Materyal Üretimi, 2018 - 2020
- ALANYALIOĞLU M., TUBITAK Project, Müstakil grafen/poli(metilen mavisi) kompozit elektrotların hazırlanması ve amperometrik sensör özelliklerinin incelenmesi, 2013 - 2017

Scientific Refereeing

Türkiye Teknoloji ve Uygulamalı Bilimler Dergisi, National Scientific Refreed Journal, October 2022

Environmental Research and Technology, National Scientific Refreed Journal, September 2021

IEEE SENSORS JOURNAL, Journal Indexed in SCI-E, July 2021

IEEE SENSORS JOURNAL, Journal Indexed in SCI-E, November 2020

Tasks In Event Organizations

Dağcı Kıranşan K., Topçu E., Erçarıkçı E., Çepni E., Sevim M., Bayrakçeken Nişancı F., Tüzemen Ş. M., Yeni Nesil Enerji Depolama Sistemleri, Workshop Organization, Erzurum, Turkey, Haziran 2024

Topçu E., Çepni E., Dağcı Kıranşan K., Sevim M., Erçarıkçı E., Bayrakçeken Nişancı F., Güller P., Tüzemen Ş. M., Elektrokimya ile Hidrojen ve Oksijen Üretimi, Workshop Organization, Erzurum, Turkey, Haziran 2024

Dağcı Kıranşan K., Topçu E., Çepni E., Sevim M., Erçarıkçı E., Bayrakçeken Nişancı F., Aksoy M., Tüzemen Ş. M., Fotokataliz ve Uygulamaları, Workshop Organization, Erzurum, Turkey, Mayıs 2024

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Metrics

Publication: 60

Citation (WoS): 126

Citation (Scopus): 137

H-Index (WoS): 7

H-Index (Scopus): 7

Congress and Symposium Activities

6th International Conference on Life and Engineering Sciences (ICOLES), Session Moderator, Antalya, Turkey, 2023

Scholarships

YÖK 100/2000 Sensör Teknolojileri, YOK, 2017 - 2018

Awards

ERÇARIKCI E., En iyi poster sunum ödülü, International Conference on Physical Chemistry and Functional Materials, June 2018

Representation and Promotion Activities

Institutional Representation, KUDAKAF'23, Turkey, Erzurum, 2023 - 2023

Institutional Promotion, Atatürk Üniversitesi Fen Fakültesi Kimya Bölümü, Turkey, Erzurum, 2023 - 2023

Institutional Promotion, Atatürk Üniversitesi Fen Fakültesi Kimya Bölümü, Turkey, Erzurum, 2022 - 2022

Institutional Promotion, Atatürk Üniversitesi, Turkey, Erzurum, 2022 - 2022