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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: KGK-8641-2024

ScopusID: 57279367400

Yoksis Researcher ID: 408597

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metallurgical and Materials Engineering, Turkey 2024 - Continues

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurgy and Material Engineering, Turkey 2020 - 2024

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2015 - 2020

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

IT, Web Sitesi Kullanılabilirliği, 2023

Dissertations

Postgraduate, Production of Porous Nickel Oxide Films for Solar Cells, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metallurgical and Materials Engineering, 2024

Research Areas

Metallurgical and Materials Engineering, Semiconductor and Superconductor Materials, Electrical and Magnetic Properties, Chemical and Electrochemical Properties, Plating, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2024 -

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhancing electromagnetic interference shielding performance of polyester fabrics through composite polymer coating with metal oxides and expanded graphite**
Özdemir E. T., Ertekin Z., Kara Ş., Erol M., Seçmen M.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.35, no.1711, pp.1-14, 2024 (SCI-Expanded)
- II. **Visible light-induced self-cleaning ZnO coated-clay roofing tiles: The role of coating concentration on structural and photocatalytic properties**
Yavaş A., Güneş F., Erol M., Sütçü M., Özdemir E. T.
Surfaces and Interfaces, vol.46, pp.1-12, 2024 (SCI-Expanded)
- III. **Effects of annealing on the structural and magnetic properties of flame spray pyrolyzed MnFe₂O₄ nanoparticles**
Ozdemir E. T., Yıldırım S., Ozler B., Dikici T., Erol M., Yurddaskal M.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.20, no.6, pp.3775-3785, 2023 (SCI-Expanded)
- IV. **A comparative study on structural, morphological and photocatalytic properties of anodically grown ZnO nanowires under varying parameters**
Ozdemir E. T., Kartal U., DİKİCİ T., EROL M., YURDDAŞKAL M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.23, pp.27398-27408, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **The structural, magnetic, and optical properties of flame spray pyrolysis-derived spinel NiFe₂O₄ nanoparticles**
Yıldırım S., Özler B., Özdemir E. T., Erol M., Dikici T., Oğuzlar S.
JOURNAL OF AMERICAN SOCIETY, vol.108, no.2, pp.1-13, 2025 (Peer-Reviewed Journal)
- II. **Spectral interactions of graphitic carbon nitride (g-C₃N₄) with Ce³⁺-activated LuAG and YAG**
Turkmen B. Y., ÖZDEMİR E. T., Uzunbayır B., EROL M., ERTEKİN K.
Emergent Materials, 2025 (ESCI)
- III. **Electrodeposited ZnO Nanostructures on ITO Surfaces: Exploring Their Efficacy for Cholesterol Biosensing Applications**
EROL M., AYKAÇ A., DİKİCİ T., YURDDAŞKAL M., KARTAL U., Uzunbayır B., ÖZDEMİR E. T.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.26, 2024 (Peer-Reviewed Journal)

Books

- I. **Carbon Nanostructures for Automotive and Aerospace Applications**
Erol M., Akalın S. A., Özdemir E. T., Ertekin Z.
in: Handbook of Functionalized Carbon Nanostructures: From Synthesis Methods to Applications, Ahmed Barhoum, Kalim Deshmukh, Editor, Springer, London/Berlin, Berlin, pp.1-29, 2023
- II. **Recent Advances in Flexible and Wearable Sensors**
Keskin Ö. Y., Özdemir E. T., Erol M., Altınışık Tağaç A.
in: Flexible and Wearable Sensors, Ram K. Gupta, Editor, CRC, New York, Florida, pp.65-80, 2023

Papers Published in Refereed Scientific Meetings

I. Wearable Sensors For Continuous Human Health Monitoring

Özdemir E. T., Cihanbeğendi Ö.

INTERNATIONAL SCIENTIFIC COMPILATION RESEARCH CONGRESS-III , Ankara, Turkey, 12 - 13 February 2025, pp.195-201

II. An Investigation On The Properties Of Electrodeposited Nickel Thin Films On Transparent Conductive Oxide Coated Glass

Özdemir E. T., Erol M.

DEU INTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES-2023, 21 - 22 December 2023, pp.553-555

Supported Projects

Karapınar İ., Akıncı G., Erol M., Özmihçı S., Güven E. D., Tüzün S. C., Yücel C., Özuysal A., Özdemir E. T., Project Supported by Higher Education Institutions, Kalıcı mikrokirleticilerin çevresel matrislerdeki dağılımı ve arıtımı/bozunumu: UV filtreleri ve mikroplastikler, 2024 - 2026

Erol M., Aykaç A., TUBITAK Project, Elektrokimyasal kaplama ve anotlama yöntemiyle ZnO nanoyapılar ile modifiye edilmiş karbon fiberkatkılı kompozit kemik çimentosunun mekanik ve termal özelliklerinin araştırılması, 2019 - 2021

Alkan M., TUBITAK Project, Nadir Toprak Elementlerini İçeren Birincil Ve İkincil Kaynakların Değerlendirilmesi Ve Türkiye'De Uygulanabilecek Sürdürülebilir Bir Üretim Sürecinin Geliştirilmesi, 2017 - 2020

Metrics

Publication: 11

Citation (WoS): 13

Citation (Scopus): 6

H-Index (WoS): 2

H-Index (Scopus): 1

Congress and Symposium Activities

INTERNATIONAL SCIENTIFIC COMPILATION RESEARCH CONGRESS-III, Attendee, Ankara, Turkey, 2025

2nd INTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES, Attendee, İzmir, Turkey, 2023

Non Academic Experience

Company, İttema İleri Teknoloji Malzeme Ar&Ge A.Ş., R&D, R&D Engineer