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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-8648-2019

Yoksis Researcher ID: 284417

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 2017 - 2024

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Nanobilim Ve Nanomühendislik (YI) (Tezli), Turkey 2013 - 2016

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, Turkey 2008 - 2013

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2024

Postgraduate, Production of materials with dielectric properties for neurostimulator, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Nanobilim Ve Nanomühendislik (YI) (Tezli), 2016

Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Effect of time and voltage on the morphology of TiO₂ films produced by anodization**
Yılmaz O., Ebeoğlugil M. F., Dikici T., Dalmış R.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.60, pp.1-14, 2024 (SCI-Expanded)

- II. **An emission based optical CO₂ sensor fabricated on grating-like TiO₂ substrates using HPTS**
Yılmaz O., Ebeoğlu F., Aydın I., Dalmış R., Ertekin K.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.305, 2024 (SCI-Expanded)
- III. **Effect of anodizing time on the structural color and photocatalytic properties of the TiO₂ films formed by electrochemical method**
Yılmaz O., Ebeoğlu M. F., Dalmış R., Dikici T.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.67, pp.1-11, 2023 (SCI-Expanded)
- IV. **Development of structural colored TiO₂ thin films by varied etching solutions**
Yılmaz O., Dalmış R., Dikici T., Ebeoğlu M. F.
MATERIALS RESEARCH EXPRESS, vol.10, no.5, 2023 (SCI-Expanded)
- V. **Production of Zn-doped TiO₂ film with enhanced photocatalytic activity**
Dikici T., Yılmaz O., Akalın A., Demirci S., Gültekin S., Yıldırım S., Yurddaşkal M.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, pp.1415-1421, 2022 (SCI-Expanded)
- VI. **Influence of electrolyte composition on the microstructure and photocatalytic activity of TiO₂ nanostructures**
YILMAZ O., Ebeoğlu F., DEMİRCİ S., DİKİCİ T.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, no.1, pp.123-133, 2022 (SCI-Expanded)
- VII. **A new concept for the eco-friendly structural colorization of anodic titania: Photonic crystal structure**
DALMIŞ R., YILMAZ O., DİKİCİ T.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.631, 2021 (SCI-Expanded)
- VIII. **Structural and optical properties of SrAl₂O₄: Eu²⁺/Dy³⁺ phosphors synthesized by flame spray pyrolysis technique**
Gultekin S., Yıldırım S., Yılmaz O., Keskin I. C., Katı M. İ., Celik E.
JOURNAL OF LUMINESCENCE, vol.206, pp.59-69, 2019 (SCI-Expanded)

Books & Book Chapters

- I. **Thermoelectric films for electricity generation**
YURDDAŞKAL M., YURDDAŞKAL M., YILMAZ O., GÜLTEKİN S.
in: Inorganic and Organic Thin Films: Fundamentals, Fabrication, and Applications, Yujun Song, Editor, John Wiley & Sons, Inc., pp.299-328, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF IMPLANT SURFACE ETCHING AND ITS EFFECTS IN ACIDIC SOLUTIONS**
Yılmaz O., Ebeoğlu M. F.
5 th INTERNATIONAL ACHARAKA CONGRESS ON LIFE, ENGINEERING, AND APPLIED SCIENCES, İzmir, Turkey, 11 - 13 November 2023, pp.186-195
- II. **Opal and Inverse Opal Photonic Crystals**
Dalmış R., Yılmaz O.
5 th INTERNATIONAL ACHARAKA CONGRESS ON LIFE, ENGINEERING, AND APPLIED SCIENCES, İzmir, Turkey, 11 - 13 November 2023, pp.196-204
- III. **PRODUCTION OF ZnO THIN FILM AND THEIR PHOTOCATALYTIC PROPERTIES**
YILMAZ O.
2. International Black Sea Modern Scientific Research Congress, Rize, Turkey, 21 December 2022, pp.323-328
- IV. **SENSOR PROPERTIES OF ANODIZED AND SOL GEL TiO₂ THIN FILMS**
Yılmaz O., Ebeoğlu M. F.
2. International Black Sea Modern Scientific Research Congress, Rize, Turkey, 21 December 2022, pp.329-337

- V. **PRODUCTION OF TiO₂ SAMPLES USING DIFFERENT PRODUCTION METHODS AND COMPARISON OF PHOTOCATALYTIC PROPERTIES**
YILMAZ O.
2ND INTERNATIONAL "ARTEMIS" CONGRESS ON LIFE,SOCIAL,HEALTH AND SPORTS SCIENCES, İzmir, Turkey, 17 December 2022, pp.48-58
- VI. **SENSOR PROPERTIES OF ZnO THIN FILMS OBTAINED BY ANODIZATION AND SOL GEL METHODS**
Yılmaz O., Ebeoğlugil M. F.
2ND INTERNATIONAL "ARTEMIS" CONGRESS ON LIFE,SOCIAL,HEALTH AND SPORTS SCIENCES, 17 December 2022, pp.59-66
- VII. **THE EFFECT OF THE ETCHING SOLUTION TYPE ON ANODIC TIO₂ PHOTOCATALYSIS**
YILMAZ O., EBEOĞLUGİL M. F., DALMIŞ R., DİKİCİ T.
3. INTERNATIONAL CONGRESS ON LIFE, SOCIAL, AND HEALTH SCIENCES IN A CHANGING WORLD, Turkey, 13 - 14 November 2021
- VIII. **PRODUCTION OF TWO DIFFERENT METAL OXIDES BY SOL GEL METHOD AND DETERMINATION OF THEIR DIELECTRIC PROPERTIES**
Yılmaz O., Dalmış R.
6. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 30 - 31 October 2021, pp.264-277
- IX. **MATERIAL SELECTION AND PRODUCTION FROM DIFFERENT GROUP OF MATERIAL FOR THE NEUROSTIMULATOR**
Yılmaz O., Dalmış R., Çelik E.
3. INTERNATIONAL CONGRESS ON LIFE, SOCIAL, AND HEALTH SCIENCES IN A CHANGING WORLD, İstanbul, Turkey, 13 - 14 November 2021, pp.240-248
- X. **SELF-CLEANING TiO₂ THIN FILM COATINGS ADJUSTABLE BY ANODIZATION VOLGATAGES**
YILMAZ O., EBEOĞLUGİL M. F., DALMIŞ R.
6. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, Turkey, 30 October 2021
- XI. **Çelik Tahkimat Profillerinde Ülke Standartlarının Değerlendirilmesi**
YILMAZ O., DEMİRCİ S., DİKİCİ T., EBEOĞLUGİL M. F.
The 7th International Congress of Mining Machinery and Technologies (IMMAT), İzmir, Turkey, 23 - 26 October 2019
- XII. **Comparison of Structural and Optical Properties of Flame Spray Pyrolysis and Sol-Gel Derived SrAl₂O₄:Eu²⁺/Dy³⁺ Phosphorus**
Gültekin S., Yıldırım S., Yılmaz O., Çelik E.
IV INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Kyiv, Ukraine, 2 - 06 May 2018

Supported Projects

Yurddaşkal M., Erol M., Yılmaz O., Project Supported by Higher Education Institutions, Kızılötesi ve morötesi ışınları engelleyen ince film kaplamaların geliştirilmesi, 2021 - 2023

Metrics

Publication: 21

Citation (WoS): 52

Citation (Scopus): 74

H-Index (WoS): 2

H-Index (Scopus): 3

Scholarships

YOK, 2016 - 2017