

Assoc. Prof. TUNCAY DİKİCİ

Personal Information

Office Phone: [+90 232 853 1820](tel:+902328531820) Extension: 191

Fax Phone: [+90 232 853 1606](tel:+902328531606)

Email: tuncay.dikici@deu.edu.tr

Web: <https://avesis.deu.edu.tr/tuncay.dikici>

Address: 7 Eylül Mah. 5562 Sokak No:9 Torbalı Kampüsü, 35860 Torbalı/İZMİR



International Researcher IDs

ScholarID: Qw6Pc5YAAAAJ

ORCID: 0000-0002-7004-9788

Publons / Web Of Science ResearcherID: P-2930-2019

ScopusID: 36697784800

Yoksis Researcher ID: 12763

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 2010 - 2016

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 2005 - 2009

Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2000 - 2005

Biography

Metallic Materials

Dissertations

Doctorate, Biyomedikal uygulamalar için titanyum implantların mikro ve nano yapılı titanyum oksit filmler ile kaplanması ve mekanik özelliklerinin incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 2016

Postgraduate, Çelik malzeme yüzeyine elektrolitik yolla kaplanan Zn-Ni-Co alaşımının mekanik ve yapısal özelliklerinin incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 2009

Research Areas

Metallurgical and Materials Engineering, Material science and engineering

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Torbalı Meslek Yüksekokulu, Makine ve Metal Teknolojileri Bölümü, 2019 -

Continues

Lecturer, Dokuz Eylul University, Torbalı Meslek Yüksekokulu, Makine ve Metal Teknolojileri Bölümü, 2018 - 2019

Research Assistant, İzmir Katip Celebi University, Faculty Of Engineering-Architecture, Department Of Materials Science And Engineering, 2012 - 2017

Academic and Administrative Experience

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Dokuz Eylul University, Torbalı Meslek Yüksekokulu, Makine ve Metal Teknolojileri Bölümü, 2021 - Continues

Yüksekokul Akademik Kurul Üyesi, Dokuz Eylul University, Torbalı Meslek Yüksekokulu, Makine ve Metal Teknolojileri Bölümü, 2020 - Continues

Head of Department, Dokuz Eylul University, Torbalı Meslek Yüksekokulu, Makine ve Metal Teknolojileri Bölümü, 2020 - Continues

Deputy Director of the Center, Dokuz Eylul University, Rektörlük, Elektronik Malzemeler Üretimi ve Uygulama Merkezi, 2021 - 2023

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylul University, Rektörlük, Elektronik Malzemeler Üretimi ve Uygulama Merkezi, 2021 - 2023

Program Koordinatörü, Dokuz Eylul University, Torbalı Meslek Yüksekokulu, Makine ve Metal Teknolojileri Bölümü, 2019 - 2021

Courses

İMALAT YÖNTEMLERİ, Associate Degree, 2023 - 2024, 2022 - 2023

CAD-CAM VE CNC, Associate Degree, 2023 - 2024, 2018 - 2019

NANOMECHANIC, Postgraduate, 2023 - 2024, 2021 - 2022

HEAT TREATMENT, Associate Degree, 2023 - 2024, 2022 - 2023

Materials Technology, Associate Degree, 2023 - 2024, 2022 - 2023

WELDED CONSTRUCTION AND DESIGN, Associate Degree, 2022 - 2023

WELDING TESTING METHODS, Associate Degree, 2022 - 2023

INNOVATION MANAGEMENT, Associate Degree, 2021 - 2022

WELDING METALLUGY, Associate Degree, 2021 - 2022

TCS 2004 Teknik Resim, Associate Degree, 2018 - 2019

TOR 1021 Teknik Resim, Associate Degree, 2018 - 2019

MLZ 4217.1 Biyomalzemeler, Undergraduate, 2017 - 2018

MLZ 4144.1 Korozyon, Undergraduate, 2017 - 2018

MLZ 3101.2 Faz Diyagramları, Undergraduate, 2017 - 2018

MLZ 1109.2 Metalurji ve Malzeme Müh. Giriş, Undergraduate, 2017 - 2018

MLZ 4144.2 Korozyon, Undergraduate, 2017 - 2018

MLZ 3108.2 Demir Dışı Metaller, Undergraduate, 2017 - 2018

MHN 1100.11 Bilgisayar Destekli Teknik Resim, Undergraduate, 2017 - 2018

MLZ 1109.1 Metalurji ve Malzeme Müh. Giriş, Undergraduate, 2017 - 2018

MLZ 2124.1 Faz Diyagramları, Undergraduate, 2017 - 2018

MLZ 4217.2 Biyomalzemeler, Undergraduate, 2017 - 2018

MLZ 2124.2 Faz Diyagramları, Undergraduate, 2017 - 2018

MLZ 3101.1 Faz Diyagramları, Undergraduate, 2017 - 2018

MLZ 3108.1 Demir Dışı Metaller, Undergraduate, 2017 - 2018

MHN 1100.10 Bilgisayar Destekli Teknik Resim, Undergraduate, 2017 - 2018

MLZ 2122.2 Teknik Rapor, Undergraduate, 2016 - 2017

MLZ 3108.3 Demir Dışı Metaller, Undergraduate, 2016 - 2017

MLZ 4144.4 Korozyon, Undergraduate, 2016 - 2017
MLZ 2122.1 Teknik Rapor, Undergraduate, 2016 - 2017
MLZ 4144.3 Korozyon, Undergraduate, 2016 - 2017
MLZ 3108.4 Demir Dışı Metaller, Undergraduate, 2016 - 2017

Jury Memberships

Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, July, 2023
Post Graduate, Post Graduate, Manisa Celal Bayar Üniversitesi, July, 2023
Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, June, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Non-isothermal Kinetic Analysis of High Temperature Oxidation of Additively Manufactured Ti-6Al-4V Alloy**
DEMİRCİ S., KIRAN YILDIRIM B., TÜNÇAY M. M., Kaya N., DİKİCİ T.
Journal of Materials Engineering and Performance, 2024 (SCI-Expanded)
- II. **Effect of anodizing time on the structural color and photocatalytic properties of the TiO₂ films formed by electrochemical method**
Yılmaz O., Ebeoğlu M. F., Dalmis R., Dikici T.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.67, pp.1-11, 2023 (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, 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, no.5, 2023 (SCI-Expanded)
- V. **Preparation and photocatalytic performances of ZnO nanostructures: Effects of anodization voltage and time**
Oksuz A. E., Yurddaşkal M., Doluel E. C., Kartal U., Dikici T.
SURFACE AND INTERFACE ANALYSIS, vol.55, no.3, pp.192-200, 2023 (SCI-Expanded)
- VI. **Nanoindentation and Corrosion Behavior of Additively Manufactured Ti-6Al-4V Alloy for Biomaterial Applications**
DEMİRCİ S., DİKİCİ T., DALMIŞ R.
Journal of Materials Engineering and Performance, 2023 (SCI-Expanded)
- VII. **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)
- VIII. **Investigation of surface-modified EBM printed Ti-6Al-4V alloys for biomedical applications**
Demirci S., Dikici T., Tünçay M. M., Dalmış R., Kaya N., Kanbur K., Sargın F., Güllüoğlu A. N.
Surfaces and Interfaces, vol.34, no.000, pp.1-11, 2022 (SCI-Expanded)
- IX. **ZnO nanostructures for photocatalytic degradation of methylene blue: Effect of different anodization parameters**
Oksuz A. E., Yurddaşkal M., Kartal U., Dikici T., Erol M.
JOURNAL OF THE KOREAN CERAMIC SOCIETY, vol.59, pp.859-868, 2022 (SCI-Expanded)
- X. **Micro/Nanoscale Surface Modification of Ti6Al4V Alloy for Implant Applications**
DEMİRCİ S., DİKİCİ T., GÜLLÜOĞLU A. N.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.31, no.2, pp.1503-1511, 2022 (SCI-Expanded)

- XI. **Influence of electrolyte composition on the microstructure and photocatalytic activity of TiO₂ nanostructures**
YILMAZ O., Ebeoglugil F., DEMİRCİ S., DİKİCİ T.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, no.1, pp.123-133, 2022 (SCI-Expanded)
- XII. **Effect of surface modifications of additively manufactured Ti-6Al-4V alloys on apatite formation ability for biomedical applications**
DEMİRCİ S., DALMIŞ R., DİKİCİ T., TÜNÇAY M. M., Kaya N., GÜLLÜOĞLU A. N.
Journal of Alloys and Compounds, vol.887, 2021 (SCI-Expanded)
- XIII. **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-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.631, 2021 (SCI-Expanded)
- XIV. **Photocatalytic activity of the thermally oxidized Zn-Ni-, Zn-Co-, Ni-Co-, and Zn-Ni-Co-coated alloy films**
DEMİRCİ S., DİKİCİ T., YURDDAŞKAL M.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, no.5, pp.1531-1539, 2021 (SCI-Expanded)
- XV. **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)
- XVI. **Effect of heating rate on structure, morphology and photocatalytic properties of TiO₂ particles: thermal kinetic and thermodynamic studies**
DİKİCİ T., DEMİRCİ S., TÜNÇAY M. M., Yildirim B. K., KAYA N.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.97, no.3, pp.622-637, 2021 (SCI-Expanded)
- XVII. **Effect of Ag Content on Photocatalytic Activity of Ag@TiO₂/rGO Hybrid Photocatalysts**
DOLUEL E. C., Kartal U., DİKİCİ T., YURDDAŞKAL M.
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.6, pp.3849-3859, 2020 (SCI-Expanded)
- XVIII. **A study of heating rate effect on the photocatalytic performances of ZnO powders prepared by sol-gel route: Their kinetic and thermodynamic studies**
DEMİRCİ S., DİKİCİ T., TÜNÇAY M. M., KAYA N.
APPLIED SURFACE SCIENCE, vol.507, 2020 (SCI-Expanded)
- XIX. **Influence of thermal oxidation temperature on the microstructure and photoelectrochemical properties of ZnO nanostructures fabricated on the zinc scraps**
DİKİCİ T., DEMİRCİ S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.779, pp.752-761, 2019 (SCI-Expanded)
- XX. **Influence of growth parameters on the properties of TiO₂ films prepared by anodic spark oxidation method and photocatalytic degradation of methylene blue**
Dikici T., Yurddaşkal M., Yıldırım S., Celik E.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.54, no.3, pp.451-458, 2018 (SCI-Expanded)
- XXI. **Fabrication and characterization of novel iodine doped hollow and mesoporous hematite (Fe₂O₃) particles derived from sol-gel method and their photocatalytic performances**
Demirci S., Yurddaşkal M., Dikici T., Sanoglu C.
JOURNAL OF HAZARDOUS MATERIALS, vol.345, pp.27-37, 2018 (SCI-Expanded)
- XXII. **The effects of growth conditions on the surface properties and photocatalytic activities of anatase TiO₂ films prepared via electrochemical anodizing and annealing methods**
Dikici T., Yurddaşkal M., Demirci S., Celik E.
JOURNAL OF POROUS MATERIALS, vol.24, no.6, pp.1535-1544, 2017 (SCI-Expanded)
- XXIII. **Effects of disc milling parameters on the physical properties and microstructural characteristics of Ti₆Al₄V powders**
DİKİCİ T., SÜTÇÜ M.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.723, pp.395-400, 2017 (SCI-Expanded)

- XXIV. **Temperature-dependent growth of ZnO structures by thermal oxidation of Zn coatings electrodeposited on steel substrates and their photocatalytic activities**
DİKİCİ T.
CERAMICS INTERNATIONAL, vol.43, no.11, pp.8289-8293, 2017 (SCI-Expanded)
- XXV. **Enhanced photocatalytic activity of micro/nano textured TiO₂ surfaces prepared by sandblasting/acid-etching/anodizing process**
DİKİCİ T., DEMİRCİ S., EROL M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.694, pp.246-252, 2017 (SCI-Expanded)
- XXVI. **Synthesis and Characterization of Gd₂O₃.Pr₃+ Scintillation Material Produced by Sol-Gel Process for Digital Imaging System**
Aritman I., Yıldırım S., Kisa A., Guleryuz L. F., Yurddaşkal M., Dikici T., Celik E.
ACTA PHYSICA POLONICA A, vol.131, no.1, pp.106-108, 2017 (SCI-Expanded)
- XXVII. **Synthesis and characterization of Ag doped TiO₂ heterojunction films and their photocatalytic performances**
Demirci S., Dikici T., Yurddaşkal M., Gultekin S., Toparli M., Celik E.
APPLIED SURFACE SCIENCE, vol.390, pp.591-601, 2016 (SCI-Expanded)
- XXVIII. **Effect of annealing temperature on the surface properties and photocatalytic efficiencies of Cu₂O/CuO structures obtained by thermal oxidation of Cu layer on titanium substrates**
Yurddaşkal M., Dikici T., Celik E.
CERAMICS INTERNATIONAL, vol.42, no.15, pp.17749-17753, 2016 (SCI-Expanded)
- XXIX. **Preparation and Characterization of Ni-TiO₂ Nanocomposite Coatings Produced by Electrodeposition Technique**
BİRLİK I., AK AZEM N. F., Toparli M., Celik E., Delice T. K., Yildirim S., Bardakcioglu O., DİKİCİ T.
FRONTIERS IN MATERIALS, vol.3, 2016 (SCI-Expanded)
- XXX. **Structural and luminescence properties of undoped, Nd³⁺ and Er³⁺ doped TiO₂ nanoparticles synthesized by flame spray pyrolysis method**
Yıldırım S., Yurddaşkal M., Dikici T., Aritman İ., Ertekin K., Celik E.
CERAMICS INTERNATIONAL, vol.42, no.9, pp.10579-10586, 2016 (SCI-Expanded)
- XXXI. **Microstructure and mechanical properties of nanostructured and microstructured TiO₂ films**
DİKİCİ T., Toparli M.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.661, pp.19-24, 2016 (SCI-Expanded)
- XXXII. **The investigation of antistatic effects of 1-ethyl-2,3-dimethylimidazolium ethyl sulphate for acrylic-based polymer film**
SEKİ Y., Yildiz N., Ince M., Sengul S., Sever K., Sarikanat M., DİKİCİ T.
PLASTICS RUBBER AND COMPOSITES, vol.45, no.8, pp.362-367, 2016 (SCI-Expanded)
- XXXIII. **Fabrication and characterization of nanostructured anatase TiO₂ films prepared by electrochemical anodization and their photocatalytic properties**
Yurddaşkal M., Dikici T., Yıldırım S., Yurddaşkal M., Toparli M., Celik E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.651, pp.59-71, 2015 (SCI-Expanded)
- XXXIV. **A comparative study on the photocatalytic activities of microporous and nanoporous TiO₂ layers prepared by electrochemical anodization**
Dikici T., Yıldırım S., Yurddaşkal M., Erol M., Yigit R., Toparli M., Celik E.
SURFACE & COATINGS TECHNOLOGY, vol.263, pp.1-7, 2015 (SCI-Expanded)
- XXXV. **The effect of anodization parameters on the formation of nanoporous TiO₂ layers and their photocatalytic activities**
EROL M., DİKİCİ T., Toparli M., Celik E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.604, pp.66-72, 2014 (SCI-Expanded)
- XXXVI. **Formation and characterisation of nanoporous TiO₂ layers on microroughened titanium surfaces by electrochemical anodisation**

- DİKİCİ T., Guzelaydin A. H., Toparli M.
MICRO & NANO LETTERS, vol.9, no.2, pp.144-148, 2014 (SCI-Expanded)
- XXXVII. **Characterization and photocatalytic properties of nanoporous titanium dioxide layer fabricated on pure titanium substrates by the anodic oxidation process**
DİKİCİ T., Erol M., Toparli M., Celik E.
CERAMICS INTERNATIONAL, vol.40, no.1, pp.1587-1591, 2014 (SCI-Expanded)
- XXXVIII. **Study of the mechanical and structural properties of Zn-Ni-Co ternary alloy electroplating**
Dikici T., Culha O., Toparli M.
JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, vol.7, no.6, pp.787-792, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Dental implantlar için farklı yüzey modifikasyon tekniklerinin titanyumun yüzey özelliklerine etkilerinin karşılaştırılması**
Kırman M., Dikici T., Doğan H.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.14, no.3, pp.449-454, 2023 (Peer-Reviewed Journal)
- II. **Asidik dağlama prosesinde farklı HCl/H₂SO₄ oranının titanyumun yüzey morfolojisi ve pürüzlülüğüne etkisi**
DİKİCİ T.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.10, no.3, pp.999-1007, 2019 (Peer-Reviewed Journal)
- III. **Nikel-Kobalt (Ni-Co) Alaşımli Kaplamalarda Co Miktarının Mikroyapıya Etkisi**
DİKİCİ T.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.2, pp.284-289, 2019 (Peer-Reviewed Journal)
- IV. **Nanoyapılı TiO₂ film yüzeyinde TiO₂/ZnO ve TiO₂/CuO heteroyapıların oluşturulması ve fotokatalitik aktivitelerinin incelenmesi**
DİKİCİ T., YURDDAŞKAL M.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.1, pp.63-73, 2019 (Peer-Reviewed Journal)
- V. **Anodik spark oksitleme tekniği ile üretilen titanyum dioksit (TiO₂) kaplamaların karakterizasyonu ve fotokatalitik özellikleri**
DİKİCİ T., YURDDAŞKAL M.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.1, pp.83-93, 2018 (Peer-Reviewed Journal)
- VI. **Enhanced photocatalytic properties of Sn-doped ZnO nanoparticles by flame spray pyrolysis under UV light irradiation**
Yurddaşkal M., Yıldırım S., Dikici T., Yurddaskal M., Erol M., Aritman İ., Celik E.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, pp.15-22, 2018 (Scopus)
- VII. **Effect of annealing temperatures on the crystallization and photocatalytic activity of micro-nanoporous TiO₂ films produced by electrochemical anodization**
Yurddaskal M., YURDDAŞKAL M., DİKİCİ T., Durmus H.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, pp.85-92, 2018 (Scopus)
- VIII. **Effects of Zn-doping on the photocatalytic activity and microstructures of nanocrystalline SnO₂ powders**
Yurddaşkal M., Yıldırım S., Dikici T., Yurddaskal M., Erol M., Aritman İ., Uygun H. D., Celik E.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, pp.9-14, 2018 (Scopus)
- IX. **Farklı Anotlama Voltajlarının Nanoporoz Titanyum Oksit Yapısına Etkisi**
DİKİCİ T., TOPARLI M.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.14, pp.435-440, 2014 (Non Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Structural and Electromagnetic Characterization of Metal Alloy Coatings for Shielding Applications**
Ölçen K. K., Dikici T.
3rd International Congress on Scientific Advances (CONSAD'23), Yalova, Turkey, 20 - 23 December 2023, pp.450
- II. **Talaşlı İmalat Uygulamaları İçin Otomat Çeliklerinde Bulunan Kurşun Elementinin İşlenebilirliğe Etkisinin İncelenmesi**
Dağar B. G., Erçay H., Gündoğan N., Dikici T.
EGE 10th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 22 - 24 December 2023, pp.1
- III. **Farklı İşlemlerle Modifiye Edilen Titanyum Yüzeylerine EPD Yöntemiyle Kaplanan Hidroksiapatitin Yüzey Özelliklerinin İncelenmesi**
Kırman M., Dikici T., Doğan H.
3. Uluslararası Bilimsel Gelişmeler Kongresi (CONSAD'23), Yalova, Turkey, 20 - 23 December 2023, pp.486-487
- IV. **Optimizing Current Density and Concentration Parameters for Zn-Co Alloy Coatings**
Yıldırım S., Dikici T., Arıtmıan İ.
4th International Turkish World Engineering and Science Congress, Antalya, Turkey, 30 November - 03 December 2023, pp.1-10
- V. **Optimizing Current Density and Concentration Parameters for Zn-Co Alloy Coatings**
YILDIRIM S., DİKİCİ T., ARITMAN İ.
4th International Turkish World Engineering and Science Congress, Antalya, Turkey, 30 November - 03 December 2023
- VI. **INVESTIGATION OF ELECTRODE WELDING PARAMETERS OF HIGH TENSILE STRENGTH CRANE RAILS**
Yetişken S., Kahraman C. E., Erçay H., Dikici T.
2. INTERNATIONAL CANKAYA SCIENTIFIC STUDIES CONGRESS, Ankara, Turkey, 28 - 29 September 2023, pp.569-570
- VII. **P295GH Kalite Basıncılı Kap Çeliğinin Yüksek Sıcaklıktaki Mukavemet Özelliklerinin İncelenmesi**
Kahraman C. E., Tuna C., Erçay H., Dikici T.
Uluslararası Hadde Sempozyumu (ISRS'2023), Hatay, Turkey, 14 - 15 September 2023, pp.195-196
- VIII. **Hurdadan Elde Edilen Çeliklerde İz Elementlerinin Mekanik Özelliklere Etkisi.**
Gümüş G., Tuna C., Erçay H., Dikici T.
The 17th International Scientific Research Congress, Ankara, Turkey, 19 - 20 August 2023, pp.67-68
- IX. **Investigation of the Effects of Decarburization Depth on the Mechanical Performance of Spring Steels**
Tuna C., Kahraman C. E., Erçay H., Dikici T.
6th International Conference on Sustainable Science and Technology (ICSuSaT-2023), İstanbul, Turkey, 14 - 16 July 2023, pp.65
- X. **MAKAS İMALATINDA KULLANILAN 55Cr3 YAY ÇELİĞİNİN YÜZEYİNDEN YAPIŞKAN TUFALIN GİDERİLMESİ ÇALIŞMALARI**
Gündoğan N., Kahraman C. E., Erçay H., Dikici T.
11th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 10 - 12 June 2023, pp.1
- XI. **Demir Çelik Sektöründe Enerji Tüketiminin Azaltılmasına Yönelik Bir Araştırma**
Gündoğan N., Erçay H., Dikici T.
4th International Engineering Research Symposium, Düzce, Turkey, 4 - 06 March 2022, pp.25
- XII. **Demir Çelik Sektöründe CO2 Emisyonunun Azaltılmasının Önemi ve Uygulamaları**
Çakın A., Erçay H., Gündoğan N., Dikici T.
2nd International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 2 - 05 March 2022, pp.1308-1309
- XIII. **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

- XIV. **Effect of different voltages on the morphological and structural properties of ZnO nanowires**
Öksüz A. E., Yurddaşkal M., Dikici T.
4. INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE, MECHANICAL AND AUTOMOTIVE ENGINEERINGS AND TECHNOLOGY, Nevşehir, Turkey, 28 - 30 May 2021, pp.272
- XV. **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
- XVI. **Thermomechanical Processing of High Tensile Steels**
Gülen B., KAHRAMAN C. E., ERÇAY H., DİKİCİ T.
4. International Conference on Material Science and Technology in Kızılcahamam/ANKARA (IMSTEC 2019), Ankara, Turkey, 18 - 20 October 2019, pp.897
- XVII. **The effects of forging and cooling parameters on the toughness of micro-alloyed steel**
TUNA C., ERÇAY H., DİKİCİ T.
I. International Science And Innovation Congress, 26 - 29 August 2019
- XVIII. **The Effect of Different Quenching Media and Tempering Temperature on the Hardness Value of R260 Quality Asymmetric Profile**
GÜMÜŞ G., ERÇAY H., DİKİCİ T.
The Fourth International Iron and Steel Symposium (UDCS'19), Karabük, Turkey, 4 - 06 April 2019
- XIX. **The Quality Steel In Turkey Past Today And Tomorrow**
KAHRAMAN C. E., TATLİCAN H. G., ERÇAY H., DİKİCİ T.
International Conference on Engineering Technologies (ICENTE'18), Konya, Turkey, 26 - 28 October 2018
- XX. **Effect of Thermal Oxidation Atmosphere on Photoelectrochemical (PEC) Water Splitting of Hematite Produced from Electrodeposited Fe Film**
DEMİRCİ S., TUNÇAY M. M., DİKİCİ T., SARIOĞLU C.
19 th International Metallurgy and Materials 25/27 October Congress, 25 - 27 October 2018
- XXI. **Investigation on the effect of boron on the hardenability of high strength structure steel**
Tuna C., Gökçül K., Erçay H., DİKİCİ T.
3. International Conference on Material Science and Technology in Cappadocia (IMSTEC 2018), Nevşehir, Turkey, 17 - 19 September 2018
- XXII. **Effect of annealing temperatures on the crystallization and photocatalytic activity of micro-nanoporous TiO₂ films produced by electrochemical anodization**
YURDDAŞKAL M., YURDDAŞKAL M., DİKİCİ T., DURMUŞ H.
3 rd International Porous and Powder Materials Symposium and Exhibition Symposium (PPM2017), Aydın, Turkey, 12 - 15 September 2017
- XXIII. **Two-Steps Electrochemical Process for Growth of ZnO Nanostructures on Glass/ITO Substrate**
UZUNBAYIR B., AYKAÇ A., EROL M., DİKİCİ T., GÜNEŞ F.
2nd International Students Science Congress, İzmir, Turkey, 4 - 05 May 2018
- XXIV. **Production and characterization of PMMA/TiO₂ composite thin films for dielectric applications**
GÜLTEKİN S., Yılmaz O., DİKİCİ T., YURDDAŞKAL M., ÇELİK E.
4th International Conference on Engineering and Natural Sciences, 2 - 06 May 2018
- XXV. **Fabrication and characterization of α -Fe₂O₃ films from electrodeposited Fe films for photoelectrochemical water splitting performance**
DİKİCİ T.
The International Conference on Materials Science Mechanical and Automation Engineerings and Technology in Çeşme/İZMİR (IMSMATEC'18), İzmir, Turkey, 10 - 12 April 2018
- XXVI. **A study on coatability of Seydişehir bayer alumina powders by plasma spraying on aluminum alloy**
SÜTÇÜ M., TEKE E., DİKİCİ T.
The International Conference on Materials Science Mechanical and Automation Engineerings and Technology in ÇEŞME/İZMİR (IMSMATEC'18), 10 - 12 April 2018
- XXVII. **Effect of annealing temperature on the microstructure and mechanical properties of anodic oxide**

thin film formed on Ti6Al4V

DİKİCİ T.

2.International Conference on Material Science and Technology in Cappadocia (IMSTEC 2017), Nevşehir, Turkey, 11 - 13 October 2017, pp.490-492

XXVIII. Formation of TiO₂ Nanotube Layers Through Magnetron Sputtering and Electrochemical Anodization

BAŞALAN E., EROL M., SANCAKOĞLU O., DİKİCİ T., YAVAŞ A., ÇELİK E.

3 rd International Porous and Powder Materials Symposium and Exhibition Symposium (PPM2017), 12 - 15 September 2017

XXIX. Photocatalytic Performance of The Iodine Doped Hollow And Mesoporous Hematite (Fe₂O₃) Structure Synthesized Via Sol-Gel Process

DEMİRCİ S., YURDDAŞKAL M., DİKİCİ T., SARIOĞLU C.

3 rd International Porous and Powder Materials Symposium and Exhibition Symposium (PPM2017), 12 - 15 September 2017

XXX. Synthesis of ZnO Nanostructures through Electrochemical Anodization

YAVAŞ A., DİKİCİ T., EROL M.

The International Porous and Powder Materials Symposium and Exhibition Symposium (PPM2017), Aydın, Turkey, 12 - 15 September 2017

XXXI. Effects of Zn-doping on the photocatalytic activity and microstructures of nanocrystalline SnO₂ powders

Yurddaşkal M., Yıldırım S., Dikici T., Yurddaşkal M., Erol M., Aritman İ., Ertuğrul Uygun H. D., Çelik E.

The 3rd International Porous and Powder Materials Symposium and Exhibition, Aydın, Turkey, 12 - 15 September 2017, pp.120-123

XXXII. Enhanced Photocatalytic Properties of Sn-Doped ZnO Nanoparticles by Flame Spray Pyrolysis under UV Light Irradiation

Yurddaşkal M., Yıldırım S., Dikici T., Yurddaşkal M., Erol M., Aritman İ., Çelik E.

The International Porous and Powder Materials Symposium and Exhibition-2017, Aydın, Turkey, 12 - 15 September 2017

XXXIII. Production and Characterization of Magnetic and Luminescent Gd₂O₂SO₄:Eu³⁺ Nanoparticles by Sol-gel Technique

Aritman İ., Yıldırım S., Kisa A., Guleryuz L. F., Yurddaşkal M., Dikici T., Celik E.

6th Congress and Exhibition on International Advances in Applied Physics and Materials Science (APMAS), İstanbul, Turkey, 1 - 03 June 2016, vol.1809

XXXIV. Fabrication and Characterization of Gd₂O₂SO₄:Tb³⁺ Phosphors by Sol-gel Method

Aritman İ., Yıldırım S., Kisa A., Guleryuz L. F., Yurddaşkal M., Dikici T., Celik E.

6th Congress and Exhibition on International Advances in Applied Physics and Materials Science (APMAS), İstanbul, Turkey, 1 - 03 June 2016, vol.1809

XXXV. Effects of sputtering parameters on the structural properties of Ti films on glass substrates

Başalan E., EROL M., SANCAKOĞLU O., MERMER Ö., DİKİCİ T., TOPARLI M.

12th International Nanoscience and Nanotechnology Conference NanoTR12, 3 - 05 June 2016

XXXVI. Synthesis and characterization of Gd₂O₂SO₄ Pr³ scintillation material produced by sol gel process for digital imaging system

Aritman İ., Yıldırım S., Kisa A., Güleryüz L. F., Yurddaşkal M., Dikici T., Çelik E.

6th International Advances in Applied Physics and Materials Science Congress Exhibition, İstanbul, Turkey, 1 - 03 June 2016

XXXVII. Effect of anodizing voltage on the photocatalytic activities of nanoporous TiO₂ structures

DİKİCİ T., YURDDAŞKAL M., TOPARLI M.

Cracow Symposium on Physics and Chemistry of Materials (CSPCM 2016), Cracow, Poland, 06 May 2016

XXXVIII. Ni-TiO₂ nanokompozit kaplamaların yapısal ve mekanik özellikleri

Bardakçioğlu O., YILDIRIM S., Koç Delice T., DİKİCİ T., TOPARLI M., ÇELİK E., BİRLİK İ., AK AZEM N. F.

27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015

XXXIX. TiO₂-ZnO nanopartikülleri ile elektroçöktürülmüş nikel nanokompozit kaplamaların üretimi ve

karakterizasyonu

YILDIRIM S., Bardakçioğlu O., Koç Delice T., DİKİCİ T., TOPARLI M., ÇELİK E., BİRLİK I., AK AZEM N. F.
27.Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.729

XL. Ni-TiO₂ nanokompozit kaplamaların yapısal ve mekanik özellikleri

Bardakçioğlu O., YILDIRIM S., Koç Delice T., DİKİCİ T., TOPARLI M., ÇELİK E., BİRLİK I., AK AZEM N. F.
27.Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.618

XLI. Corrosion Protection of Ni-TiO₂ Nanocomposite Coatings

Koç Delice T., YILDIRIM S., Bardakçioğlu O., DİKİCİ T., TOPARLI M., ÇELİK E., BİRLİK I., AK AZEM N. F.
XI. Nanoscience and Nanotechnology Conference (NanoTR-11), Ankara, Turkey, 22 - 25 June 2015

XLII. Influence of Anodization Conditions on The Self Ordered Nanoporous TiO₂ Formation During Electrochemical Anodization of Titanium

Dikici T., Güzelaydın A. H., Yıldırım S., Toparlı M.
International Porous and Powder Materials Symposium and Exhibition (PPM 2013), İzmir, Turkey, 3 - 06
September 2013

XLIII. Elektrolitik yöntemle çelik malzeme yüzeyine kaplanan Zn-Ni-Co alaşımının mikroyapı ve mekanik özellikleri

DİKİCİ T., ÇULHA O., TOPARLI M.
13th International Materials Symposium (IMSP'2010), 13 - 15 October 2010

Supported Projects

DİKİCİ T., Project Supported by Higher Education Institutions, Endüstriyel Atık Su Arıtımı İçin Uv-Led Işık Kaynağı Ve TiO₂ Nanotüplerin Kullanıldığı Reaktörlerin Geliştirilmesi Ve Uygulamaları, 2015 - 2017

SEKİ Y., SEVER K., DİKİCİ T., Project Supported by Higher Education Institutions, Mineral Katkılı Termoplastik Kompozit Malzemelerin Üretilmesi ve Özelliklerinin İncelenmesi, 2015 - 2017

TOPARLI M., ÇELİK E., TUBİTAK Project, Katodik Koruma Sistemleri İçin Nanokompozit Kaplamaların Üretimi Geliştirilmesi Ve Fotoanot Uygulamalarında Endüstriyel Kullanımı, 2013 - 2016

DİKİCİ T., Project Supported by Higher Education Institutions, Eş Kanallı Açısal Presleme EKAP Yöntemiyle Nanokristal Yapılı Ti6Al4V Alaşımının Üretilerek Mekanik Özelliklerinin Geliştirilmesi Ve Biyomedikal Uygulamaları, 2013 - 2016

SEVER K., DİKİCİ T., Project Supported by Higher Education Institutions, Isı Yalıtım Amaçlı Hafif Tuğla Yapı Malzemelerinin Geliştirilmesinde Tarımsal ve Endüstriyel Atıkların Kullanılabilirliğinin Araştırılması, 2014 - 2015

Patent

DİKİCİ T., Buhar püskürtmeli otomatik araç yıkama makinesi, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, 2018

Tasks In Event Organizations

Dikici T., Treyler Üretiminde Kullanılan Kaynak Teknolojileri, Social Activities, Turkey, Aralık 2023

Dikici T., Kariyerde Herkes İçin Erişebilirlik “ Sevgi Her Engeli Aşar”, Social Activities, Turkey, Aralık 2023

Dikici T., Kariyerde +1 Adım: İlgileri Keşfetmek [Ortak Program], Student Club and Community Activity, Turkey, Kasım 2023

Dikici T., TÜBİTAK 2209 A/B Proje yazıyorum, Social Activities, Turkey, Ekim 2023

Dikici T., TESİSATLARDA KULLANILAN KAYNAK YÖNTEMLERİ, Social Activities, İzmir, Turkey, Mayıs 2023

Dikici T., KARIYER YOLUNDA MOTİVASYON: Heykel Çalışmaları ve Doğa Sporları, Social Activities, İzmir, Turkey, Nisan 2023

Dikici T., BİR DİKEY GEÇİŞ HİKAYESİ, Social Activities, İzmir, Turkey, Nisan 2023

Dikici T., ELİBÜYÜK M., Doğalgaz Tesisatında Uygulanan Kaynak Teknikleri, Social Activities, Turkey, Ocak 2023

Dikici T., i) Çeliklerde Kaynaklanabilirlik ii) Dikey Geçiş Hikayesi (Yük. Müh. Celal KAHRAMAN)), Social Activities, İzmir, Turkey, Haziran 2022

Metrics

Publication: 92

Citation (WoS): 577

Citation (Scopus): 601

H-Index (WoS): 14

H-Index (Scopus): 14