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International Researcher IDs

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Education Information

Doctorate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2016 - 2023

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Malzeme Bilimi ve Mühendisliği, Turkey 2013 - 2015

Undergraduate, Ege University, Faculty Of Science, Kimya Bölümü, Turkey 2008 - 2012

Foreign Languages

Spanish, A2 Elementary

English, C2 Mastery

Certificates, Courses and Trainings

Occupational Health and Safety, C Sınıfı İş Güvenliği Uzmanlığı, Çalışma ve Sosyal Güvenlik Bakanlığı, 2013

Dissertations

Postgraduate, Ekzopolisakkaritlerin ayrıştırılmasına yönelik lektin bağlı kriyojellerin sentezlenmesi ve karakterizasyonu, Ege Üniversitesi, Malzeme Bilimi Ve Mühendisliği , Malzeme Bilimi Ve Mühendisliği , 2015

Research Areas

Chemical and Electrochemical Properties, Corrosion and Corrosion Protection, Biomaterials, Plating, Nanomaterials, Surface Finishing Processes

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2016 - Continues

Research Assistant, Ege University, Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Mühendisliği , 2014 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Wear and corrosion behavior of vanadium-alloyed nodular cast irons fabricated by sand-casting**
TÜRÜ İ. C., GECÜ R.
Wear, vol.534-535, 2023 (SCI-Expanded)
- II. **Crystallization and additional oxide interlayers improve the tribocorrosion resistance of TiO₂ nanotubular surfaces formed on Ti6Al4V**
Çaha I., TÜRÜ İ. C., Erdoğan E., Pinto A. M., CANSEVER N., Deepak F. L., Toptan F., Alves A. C.
Applied Surface Science, vol.635, 2023 (SCI-Expanded)
- III. **Formation of TiO₂ nanotubes and deposition of silver nanoparticle and reduced graphene oxide: Antibacterial and biocompatibility behavior**
TÜRÜ İ. C., Bayraktar S., Akgul B., İlhan-Sungur E., ABAMOR E. Ş., CANSEVER N.
Surface and Coatings Technology, vol.470, 2023 (SCI-Expanded)
- IV. **Influence of layer number and sintering temperature on microstructural, tribological, and corrosion behavior of Al₂O₃-TiO₂ multilayer coatings**
Eraslan F. S., TÜRÜ İ. C., ÖZCAN M., BİROL B., GECÜ R.
Ceramics International, vol.49, no.20, pp.33226-33235, 2023 (SCI-Expanded)
- V. **Anodization of Ti6Al4V in Water-Ethylene Glycol Solution Containing NH₄F and Its Corrosion Behavior in Ringer's Solution**
TÜRÜ İ. C., CANSEVER N.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.17, no.6, 2022 (SCI-Expanded)
- VI. **Synthesis and characterization of cryogel structures for isolation of EPSs from *Botryococcus braunii***
Turu I. C., Turkcan-Kayhan C., Kazan A., Yildiz-Ozturk E., AKGÖL S., Yesil-Celiktas O.
CARBOHYDRATE POLYMERS, vol.150, pp.378-384, 2016 (SCI-Expanded)
- VII. **Supercritical fluid extraction of *Prunus persica* leaves and utilization possibilities as a source of phenolic compounds**
Kazan A., Koyu H., Turu I. C., Yesil-Celiktas O.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.92, pp.55-59, 2014 (SCI-Expanded)

Books & Book Chapters

- I. **Enzyme Sensors**
Türü İ. C.
in: Affinity Based Biosensors, Adil DENİZLİ, Editor, Hacettepe Taç Kitapçılık, Ankara, pp.13-26, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of TiO₂ Nanotubes Formation on the Surface of Pure Ti and Ti6Al4V Alloy**
Türü İ. C., Cansever N.
The European Corrosion Congress, EUROCORR 2019, Sevilla, Spain, 9 - 13 September 2019, pp.10-15
- II. **ELECTROCHEMICAL BEHAVIOR OF Ti6Al4V ALLOY IN SALT WATER AND SIMULATED BODY FLUID**
TÜRÜ İ. C., TEPE S. A., YAYLI A., CANSEVER N.
KORSEM 2018, Hatay, Turkey, 26 - 28 September 2018, pp.382-388
- III. **Anodic Oxidation Behavior of Sputtered Titanium Thin Films**
TÜRÜ İ. C., TEPE S. A., DANIŞMAN M., CANSEVER N.
EUROCORR 2018 Applied Science with constant Awareness, Krakow, Poland, 9 - 13 September 2018

IV. Isolation of exopolysaccharides from algal broth using a monolithic cryogel

TÜRÜ İ. C., TÜRKCAN KAYHAN C., AKGÖL S., YEŞİL ÇELİKTAŞ Ö.

International Porous and Powder Materials Symposium and Exhibition (PPM 2015), İzmir, Turkey, 15 - 18 September 2015

V. Fabrication of 3 D cryogels for flow through separation of EPSs from algal broth

TÜRÜ İ. C., TÜRKCAN KAYHAN C., AKGÖL S., YEŞİL ÇELİKTAŞ Ö.

2nd Novel Fluidic Technologies and Applications Workshop, İzmir, Turkey, 9 - 10 April 2015

VI. Recovery of algal exopolysaccharides with monolithic cryogel

TÜRÜ İ. C., TÜRKCAN KAYHAN C., KAZAN A., YILDIZ ÖZTÜRK E., AKGÖL S., YEŞİL ÇELİKTAŞ Ö.

Turkey Symposium Series: Catalysis And Sensing For Health, İzmir, Turkey, 08 September 2014

Metrics

Publication: 14

Citation (WoS): 33

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H-Index (Scopus): 3