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International Researcher IDs

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Publons / Web Of Science ResearcherID: GSJ-0464-2022

Yoksis Researcher ID: 247259

Education Information

Doctorate, Ataturk University, Turkey 2018 - 2022

Postgraduate, Ataturk University, Turkey 2016 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Selective laser melting of Ti6Al4V alloy: Effects of graphene-TiO₂ nanotubes composites corrosion and biocompatibility**
ACAR M. T., Çomaklı O., Arslan M.
Journal of Alloys and Compounds, vol.1008, 2024 (SCI-Expanded)
- II. **Comparative investigation of structural, morphological, mechanical, tribological and electrochemical properties of TiO₂ films formed on Cp-Ti, Ti6Al4V and Ti45Nb alloys**
KOVACI H., Şenel K., ACAR M. T., BOZKURT Y. B., ÇELİK A.
Surface and Coatings Technology, vol.487, 2024 (SCI-Expanded)
- III. **The effect of doping different amounts of boron on the corrosion resistance and biocompatibility of TiO₂ nanotubes synthesized on SLM Ti6Al4V samples**
ACAR M. T., Çomaklı O., Yazıcı M., Arslan M., Yetim A., ÇELİK A.
Surfaces and Interfaces, vol.50, 2024 (SCI-Expanded)
- IV. **Analyzing the corrosion and tribocorrosion performances of monolayer TiO₂ and bilayer TiO₂-SiO₂ coatings at different SBF temperatures**
ACAR M. T.
Physica Scripta, vol.99, no.2, 2024 (SCI-Expanded)
- V. **Investigation of surface wettability, corrosion and tribocorrosion behavior of machined, etched, blasted and anodized Cp-Ti samples**
ACAR M. T.
MRS Communications, vol.13, no.4, pp.587-593, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Mutual examination of corrosion and wear resistance of sandblasting and etching surface treatments applied to AISI 316L stainless steel**
ACAR M. T.
European Mechanical Science, vol.8, 2024 (Peer-Reviewed Journal)

- II. **Investigation of monolayer anodized TiO₂ film and bilayer spin coated graphene film on corrosion and tribocorrosion properties of Ti45Nb alloy**
ACAR M. T.
European Mechanical Science, vol.8, 2024 (Peer-Reviewed Journal)
- III. **Investigation of the effects of Sr and Mn doping on corrosion tribocorrosion and cyclic voltammetry performances of TiO₂ nanotubes**
ACAR M. T.
European Mechanical Science, vol.7, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of potassium fluoride on the structure and corrosion properties of anodic coatings on Ti6Al4V alloy**
ACAR M. T.
International Conference on Recent Academic Studies 1, 136-138, Turkey, 12 May 2023
- II. **Determination of the effect of NaH₂PO₄ film obtained on Ti45Nb by sol-gel method on corrosion resistance and surface wettability**
ACAR M. T.
International Conference on Scientific and Academic Research, Turkey, 18 March 2023
- III. **Influence of NaF film produced by plasma electrolytic oxidation method on corrosion resistance of Cp-Ti**
ACAR M. T.
International Conference on Engineering, Natural and Social Sciences, Turkey, 14 April 2023
- IV. **Investigation of the effect on wettability by applying heat treatment to the Ti6Al4V alloy**
ACAR M. T.
SOCRATES JOURNAL 6th International Conference on Engineering, Health and Applied Sciences December 13-16, 2022 Rome, 13 - 16 December 2022
- V. **Prediction Of Wear Rate Of Ti6Al4V Alloy Using Different Machine Learning Algorithms**
ACAR M. T.
SOCRATES JOURNAL 6th International Conference on Engineering, Health and Applied Sciences December 13-16, 2022 Rome, 13 - 16 December 2022

Supported Projects

Acar M. T., Çomaklı O., TUBITAK Project, 2218 TÜBİTAK - Yurt İçi Doktora Sonrası Araştırma Burs Programı" 3D Eklemeli Üretim Yöntemiyle Elde Edilmiş Titanyum Malzemelere Uygulanan Yüzey İşlemleri Sonrasında Elektrokimyasal, Tribolojik Ve Biyoyoumluluk Performanslarının Araştırılması, 2023 - 2025

Metrics

Publication: 13

Citation (Scopus): 9

H-Index (Scopus): 2