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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-7450-2020

Yoksis Researcher ID: 313480

Education Information

Doctorate, Kocaeli University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, Turkey 2022 - Continues

Postgraduate, Kocaeli University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, Turkey 2019 - 2022

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2013 - 2018

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, TOZ METALURJİSİ İLE ÜRETİLEN Ti-HA BİYOKOMPOZİT KAPLAMANIN BİYOMEDİKAL ALANDA KULLANILAN TİTANYUM ALAŞIMLARININ ÖZELLİKLERİNE ETKİSİNİN İNCELENMESİ, Kocaeli University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2022

Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. Biocompatibility and Corrosion of Microplasma-Sprayed Titanium and Tantalum Coatings versus Titanium Alloy

Alontseva D., Safarova (Yantsen) Y., Voinarovych S., Obrosov A., YAMANOĞLU R., Khoshnaw F., YAVUZ H. İ., Nessipbekova A., Syzdykova A., Azamatov B., et al.

- COATINGS, vol.14, no.2, 2024 (SCI-Expanded)
- II. The influence of alloying elements on tribological properties of Fe-Cu-C based metal matrix composite bearing materials produced by powder metallurgy
YAVUZ H. İ., EYRİ B., YAMANOĞLU R., FEYZULLAHOĞLU E.
Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, vol.237, no.2, pp.288-299, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. A review on the properties of β type Ti alloys: microstructure, mechanical, corrosion properties and production methods
Yavuz H. İ., Yamanoglu R.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, vol.26, no.4, pp.1601-1620, 2023 (ESCI)
- II. Recycling of Al6061 Chip by Powder Metallurgy
Yavuz H. İ., Yamanoglu R., Başçı Ü. G.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, no.10, pp.1689-1700, 2022 (Peer-Reviewed Journal)
- III. β -type Ti Alloys for Biomedical Applications
Yavuz H. İ., Yamanoglu R.
Annals of Advanced Biomedical Sciences, vol.3, no.2, pp.1-5, 2020 (Peer-Reviewed Journal)
- IV. TOZ METALURJİSİ İLE BİYOMEDİKAL Ti5Ag ALAŞIMININ ÜRETİMİ
Yamanoglu R., Karayünlü Bozbaş S., Kolaylı F., Erkan S., Uzuner H., Muratal O., Yavuz H. İ.
EJONS International Journal of Mathematic, Engineering and Natural Sciences, vol.4, no.15, 2020 (Peer-Reviewed Journal)
- V. Recycling of Fly Ash as an Additive in Industrial Porcelain Tiles
Yavuz H. İ., Çiçek B., Karadağlı E., Öztürk B.
Afyon Kocatepe Üniversitesi Fen Bilimleri Dergisi, no.Özel Sayı, pp.20-29, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Hot Pressing of Doped ZnO Diluted Magnetic Semiconductors for Spintronic Device Applications and Investigation of Structural Properties
Candan İ., Yavuz H. İ., Yamanoglu R.
in: Current Debates in Natural and Engineering Sciences 10, HİKMET YETER ÇOĞUN, FERİT KARGIN, Editor, BİDGE Yayıncılığı, Ankara, pp.240-256, 2023
- II. Babit Tozunun Gaz Atomizasyonu İle Üretimi Ve Saf Demirin Aşınma Özelliklerine Etkisi
Muratal O., Yamanoglu R., Avcu E., Gökalp İ., Yavuz H. İ., Gönülalan Y., Kurban M. E., Bayram E.
in: Doğa ve Mühendislik Bilimlerinde Güncel Tartışmalar, Hikmet Y. ÇOĞUN İshak PARLAR Hasan ÜZMÜŞ, Editor, Bidgcongress, Ankara, pp.635-646, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. Production of Low-Cost Beta-Type Ti-Mn and Ti-Mn-Fe Alloys by Powder Metallurgy for Biomedical Application
Yamanoglu R., Yavuz H. İ.
5th INTERNATIONAL CONFERENCE ON CURRENT SCIENTIFIC STUDIES, Amman, Jordan, 14 - 17 March 2024, pp.352-363
- II. Production of B-Type Titanium Alloys by Hot Press and Investigation of Wear Properties
Yavuz H. İ., Yamanoglu R.

International Marmara Sciences Congress, Kocaeli, Turkey, 9 - 10 December 2022, vol.2, pp.66

III. Cobalt Based Biomedical Materials

Yavuz H. İ., Kiraç M., Uzuner H., Özdemir Y., Yıldırın Avcu Y.

1st International Conference on Innovative Academic Studies, 10 - 13 September 2022, pp.1249-1259

IV. Production of Babit Alloy Powders by Gas Atomisation

Yavuz H. İ., Muratal O., Yamanoğlu R., Akyıldız Y., Yüksel O.

1st International Conference on Innovative Academic Studies, Konya, Turkey, 10 - 13 September 2022, pp.1588-1593

V. Investigation of The Productionability of Babbitt Alloys with Gas Atomization and Coatability by Using Thermal Spraying Methods

Yavuz H. İ., Yamanoğlu R.

16. MAS International European Conference on Mathematics, Engineering, Natural & Medical Sciences, Mardin, Turkey, 22 - 23 February 2022, vol.3, pp.245-258

VI. Basınç Destekli Sinterleme ile Ti6Al4V Alaşımı Üzerine Ti-HA Biyokompozit Kaplanması

Yamanoğlu R., Yavuz H. İ.

13th. INTERNATIONAL CONGRESS ON MATHEMATICS, ENGINEERING, NATURAL AND MEDICAL SCIENCES, Nevşehir, Turkey, 26 - 27 October 2021, pp.83-88

VII. INVESTIGATION OF WEAR PROPERTIES OF METALLIC BIOMATERIALS

Yavuz H. İ., Yamanoğlu R.

Euro Asia 7th. International Congress on Applied Sciences, Trabzon, Turkey, 21 - 22 August 2020, pp.158-169

VIII. Utilization of Silver and Copper in Metallic Biomaterials

Yavuz H. İ., Yamanoğlu R.

Euro Asia 7th. International Congress on Applied Sciences, Trabzon, Turkey, 21 - 22 August 2020, vol.13, pp.117-129

Supported Projects

YAMANOĞLU R., DURAN C., MURATAL O., YAVUZ H. İ., Project Supported by Higher Education Institutions, Babit Alaşım Tozlarının Gaz Atomizasyonu ile Üretimi ve Termal Püskürtme Metodu ile Yatak Malzemelerine Kaplanması, 2021 - 2023
CANDAN İ., YAVUZ H. İ., YAMANOĞLU R., Project Supported by Higher Education Institutions, Spintronik aygit uygulamaları için NiCr katkılı ZnO seyreltilmiş manyetik yarıiletkenlerin sıcak pres yöntemi ile üretilmesi ve manyetoelektronik özelliklerinin incelenmesi, 2020 - 2023

YAMANOĞLU R., YAVUZ H. İ., Project Supported by Higher Education Institutions, TOZ METALURJİSİ İLE ÜRETİLEN TİTANYUM-HİDROKSİAPATİT BİYOKOMPOZİT KAPLAMANIN BİYOMEDİKAL ALANDA KULLANILAN TİTANYUM ALAŞIMLARININ ÖZELLİKLERİNE ETKİSİNİN İNCELENMESİ, 2021 - 2022

Metrics

Publication: 17

Citation (WoS): 2

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1

Non Academic Experience

Organized industrial Zone, ÇOLAKOĞLU METALURJİ, KALİTE METALURJİ ARGE MÜDÜRLÜĞÜ