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Learning Knowledge

Doctorate 2013 - 2021	Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Metalurji ve Malzeme Mühendisliği, Turkey
Postgraduate 2000 - 2004	Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Metalurji Mühendisliği (YI) (Tezli), Turkey
Undergraduate 1996 - 2000	Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey

Academic Titles / Tasks

Research Assistant PhD 2021 - Continues	Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ
Research Assistant 2001 - 2021	Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ

Published journal articles indexed by SCI, SSCI, and AHCI

- An experimental study of the friction stir welding of Al 5083 H321 plates by using different process parameters**
Aybar K., Çakir F. H.
Canadian Metallurgical Quarterly, vol.63, no.2, pp.360-372, 2024 (SCI-Expanded)
- An Investigation of the Properties of 3D Textile-Reinforced Cementitious Composite Exposed to High Temperature**
CANBAZ M., AYBAR K., Çelikten S.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.46, no.6, pp.4371-4382, 2022 (SCI-Expanded)

3. **Effect of Infill Ratio on the Tensile and Flexural Properties of Unreinforced and Carbon Fiber-Reinforced Polylactic Acid Manufactured by Fused Deposition Modeling**
ÖTEYAKA M. Ö., AYBAR K., Öteyaka H. C.
Journal of Materials Engineering and Performance, vol.30, pp.5203-5215, 2021 (SCI-Expanded)
4. **Effect of the heating rate on crystallization behavior of mechanically alloyed Mg50Ni50 amorphous alloy**
Aydinbeyli N., ÇELİK O. N., Gasan H., Aybar K.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.31, no.15, pp.2266-2273, 2006 (SCI-Expanded)

Articles Published in Other Journals

1. **A NEW APPROACH TO TENSILE TESTING OF GFRP BARS**
Aybar K., Eryilmaz Yildirim M., Canbaz M.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, pp.826-833, 2023
(Peer-Reviewed Journal)
2. **A comparative study of the effect of polyurethane nanofiber and powders filler on the mechanical properties of carbon fiber and glass fiber composites**
ÖTEYAKA M. Ö., AYBAR K., ÖTEYAKA H. C.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.28, no.1, pp.51-57, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

1. **The mechanical properties of Fe50Al35Ti15 alloys produced by casting and spark plasma sintering method**
AYBAR K., TORUN O., ÇELİK YÜREK İ.
International Conference on Technology, Engineering and Science, 26 - 29 October 2017
2. **Effect of weld tool rotational speed and travel speed on the mechanical properties of friction stir welded AA5083-H321 alloy**
AYBAR K., AYDINBEYLİ N.
International Conference on Technology, Engineering and Science, 26 - 29 October 2017
3. **Mekanik alaşımlama yöntemi ile üretilen amorf Mg50Ni50 alaşımının ısı kararlılığı**
AYBAR K., AYDINBEYLİ N., GAŞAN H., ÇELİK O. N.
11. Uluslararası Denizli Malzeme Sempozyumu, 19 - 21 April 2006, pp.755-759

Courses

Metallerin Isıl İşlemi, Undergraduate, 2022 - 2023, 2021 - 2022
Makine Laboratuvarı - 2, Undergraduate, 2022 - 2023, 2021 - 2022
Makine Laboratuvarı - 2 , Undergraduate, 2022 - 2023, 2021 - 2022
Machine Laboratory - 1, Undergraduate, 2022 - 2023, 2021 - 2022
Technical Drawing, Undergraduate, 2022 - 2023, 2021 - 2022
Undergraduate, 2022 - 2023, 2021 - 2022
Mechanical Properties of Materials, Undergraduate, 2022 - 2023, 2021 - 2022
Undergraduate, 2022 - 2023

Metrics

Publication: 10

Citation (WoS): 28

Citation (Scopus): 28

H-Index (WoS): 2

H-Index (Scopus): 2

Research Areas

Metallurgical and Materials Engineering, Engineering and Technology