

Res. Asst. ABDULLAH HASAN KARABACAK

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, Turkey 2018 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Anabilim Dalı, Turkey 2014 - 2018

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği, Turkey 2009 - 2014

Foreign Languages

English, B1 Intermediate

Dissertations

Postgraduate, Al2024/B4C/SiC NANOKOMPOZİT VE HİBRİT NANOKOMPOZİTLERİN ÜRETİMİ VE ÖZELLİKLERİNİN İNCELENMESİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Anabilim Dalı, 2018

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Composites, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Anabilim Dalı, 2017 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- Effects of Fe-Al intermetallic compounds on the wear and corrosion performances of AA2024/316L SS metal/metal composites**
ÇANAĞCI A., ÖZKAYA S., ERDEMİR F., KARABACAK A. H. , ÇELEBİ M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.845, 2020 (Journal Indexed in SCI)
- Effect of different reinforcement on the microstructure and mechanical properties of AA2024-based metal matrix nanocomposites**
KARABACAK A. H. , ÇANAĞCI A., ERDEMİR F., ÖZKAYA S., ÇELEBİ M.

III. **Enhancement of Wear and Corrosion Resistance of ZA27/Nanographene Composites Produced by Powder Metallurgy**

YALÇIN E. D. , ÇANAKÇI A., ERDEMİR F., ÇUVALCI H., KARABACAK A. H.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.44, no.2, pp.1437-1445, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **The Effect of Milling Time on the Mechanical Properties of ZA27/Al₂O₃ Nanocomposites**

ÇELEBİ M., ÇANAKÇI A., ÖZKAYA S., KARABACAK A. H.

Universal Journal of Materials Science, vol.6, no.5, pp.163-169, 2018 (Refereed Journals of Other Institutions)

II. **PRODUCTION AND PROPERTIES OF AL₂O₃-2 WT.% (SiC-B₄C) HYBRID NANOCOMPOSITE**

KARABACAK A. H. , ÇANAKÇI A., ÖZKAYA S., ÇELEBİ M., YALÇIN E. D.

Technological Applied Sciences, vol.13, pp.29-33, 2018 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Production and Comparison of Properties of B₄C and SiC Reinforced Nanocomposites**

KARABACAK A. H. , ÇANAKÇI A., ÖZKAYA S., ÇELEBİ M.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.716-720

II. **Mechanical and Physical Properties of Al₂O₃-B₄C/SiC Hybrid Nanocomposite by Fabrication Powder Metallurgy**

KARABACAK A. H. , ÇANAKÇI A., ÖZKAYA S., ÇELEBİ M.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.710-715

III. **The Effect of Mechanical milling on the Microstructure and Particle Morphology of ZnAl₄₀Cu₂/B₄C/GrapheneHybridNanocomposites**

ÇELEBİ M., ÖZKAYA S., ÇANAKÇI A., KARABACAK A. H.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 September - 21 November 2019, pp.1162-1165

IV. **The Effect of Hex-Boron Nitride Content on the Mechanical and Tribological Properties of Al-Based Alloy Nanocomposites**

ÇELEBİ M., ÇANAKÇI A., ÖZKAYA S., KARABACAK A. H.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.1157-1161

V. **Fabrication and Investigation of Properties of Hydroxyapatite CNT Bioceramics**

ÖZKAYA S., ÇANAKÇI A., KARABACAK A. H. , ÇELEBİ M.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 September - 21 November 2019, pp.645-650

VI. **Consolidation and Investigation of Properties of Hydroxyapatite-316L Stainless Steel Composites**

Karabacak A. H. , Özkaya S., Çanakçı A., Varol T., Çelebi M., Erdemir F.

1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.828-834

VII. **Microstructure and Mechanical Properties of Al₂O₃-SiC Nanocomposites**

Karabacak A. H. , Çanakçı A., Varol T., Erdemir F.

1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.788-797

VIII. **Production and Properties of Al₂O₃- 2 wt. (SiC-B₄C) HybridNanocomposite**

KARABACAK A. H. , ÇANAĞCI A., ÖZKAYA S., ÇELEBİ M., YALÇIN E. D.

International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1322-1327

- IX. **Characterization and Mechanical Properties of Al₂O₃-SiC Nanocomposites Fabricated by Mechanical Alloying**
KARABACAK A. H. , ÇANAĞCI A., VAROL T., ERDEMİR F., ÖZKAYA S.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 18 - 22 October 2017, pp.1299-1304
- X. **Microstructure and Mechanical Properties of Al₂O₃-B₄C Nanocomposite Produced by Mechanical Alloying and Hot Pressing Method**
KARABACAK A. H. , ÖZKAYA S., ÇANAĞCI A., ÇALIGÜLÜ U.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 18 - 22 October 2017, pp.1285-1289
- XI. **Microstructure and Some Mechanical Properties of Al₂O₃-B₄C Composites Fabricated by Powder Metallurgy**
KARABACAK A. H. , ÇANAĞCI A., ERDEMİR F., VAROL T., YALÇIN E. D.
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1314-1321
- XII. **Effect of Processing Parameters on AlCuMg Metallic Foams**
ÇANAĞCI A., ÖZKAYA S., VAROL T., Keskin Ö. Y. , ÇELEBİ M., KARABACAK A. H.
Uluslararası 2. Savunma Sanayi Sempozyumu, 6 - 08 April 2017, pp.636-640
- XIII. **Aşınmaya ve Korozyona Dirençli Nanoparçacık Takviyeli Kompozit Yatak Malzemesinin Toz Metalurjisi Yöntemi ile Üretilmesi**
YALÇIN E. D. , ÇANAĞCI A., ÇUVALCI H., ERDEMİR F., VAROL T., KARABACAK A. H.
2. ULUSLARARASI SAVUNMA SANAYİ SEMPOZYUMU (IDEFIS 2017), Kırıkkale, Turkey, 6 - 08 April 2017, vol.2, pp.189-190
- XIV. **Effect of Processing Parameters on Functionally Graded AlCuMg Metallic Foams**
ÇANAĞCI A., ÖZKAYA S., VAROL T., ÇELEBİ M., KESKİN Ö. Y. , KARABACAK A. H.
2nd International Defense Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.636-640
- XV. **The Production and Wear and Corrosion Resistance Composite bearing Material Reinforcement with Nanoparticle by Powder Metallurgy**
YALÇIN E. D. , ÇANAĞCI A., ÇUVALCI H., VAROL T., ERDEMİR F., KARABACAK A. H.
2nd International Defense Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.581-586
- XVI. **CORROSION BEHAVIOR OF FUNCTIONALLY GRADED Al₂O₃/ B₄C-SiC HYBRID COMPOSITES**
KARABACAK A. H. , ÇANAĞCI A., ERDEMİR F.
XIV. INTERNATIONAL CORROSION SYMPOSIUM, 5 - 07 September 2016

Supported Projects

VAROL T., ÇUVALCI H., BAYKAL S., DURAN C., ÇANAĞCI A., SARI A., ALTINTAŞ S. H. , PÜRÇEK G., GEDİKLİ H., ÇUVALCI O., et al., Project Supported by Higher Education Institutions, Biyomedikal ve İleri Mühendislik Malzemelerinin Seçici Lazer Ergitme Yöntemi İle Üretimi, 2020 - Continues

VAROL T., ÇUVALCI H., ÇANAĞCI A., GEDİKLİ H., ERDEMİR F., ÖZKAYA S., ÇELEBİ M., KARABACAK A. H. , ÖZŞAHİN Ş., Project Supported by Higher Education Institutions, Yapay Sinir Ağı Yöntemi ile Metalik Köpük Esaslı ve Fonksiyonel Kompozit Personel Zırhlama Plakalarının Geliştirilmesi, 2020 - Continues

ÇANAĞCI A., ÖZŞAHİN Ş., ÇUVALCI H., VAROL T., ERDEMİR F., ÖZKAYA S., KARABACAK A. H. , ÇELEBİ M., Project Supported by Higher Education Institutions, AA2024 esaslı Nanopartikül Takviyeli Hibrit kompozit Yatak Malzemelerinin Üretimi ve Tribolojik Özelliklerinin İncelenmesi, 2019 - Continues

ÇANAĞCI A., ÇUVALCI H., VAROL T., KARABACAK A. H. , ÖZKAYA S., Project Supported by Higher Education Institutions, Simetrik olarak Fonksiyonel Derecelendirilmiş HidroksiapatitZirkonyaGrafen Hibrit İmplant Malzemesinin Toz metalurjisi Yöntemi ile Üretimi, 2018 - 2020

ÇANAĞCI A., VAROL T., ÖZTÜRK A., TUBITAK Project, Nano Partikül Takviyeli Fonksiyonel Derecelendirilmiş Yeni Elektrik

Kontakt Malzemelerinin Üretimi Ve Karakterizasyonu, 2014 - 2016

TUBITAK Project, Nano-parçacık takviyeli Zn-Al esaslı nano-kompozit malzemelerin geliştirilmesi, içyapı-mekanik ve tribolojik özelliklerinin incelenmesi, 2014 - 2016

Citations

Total Citations (WOS):4

h-index (WOS):1

Awards

KARABACAK A. H. , Sunum Ödülü, International Conference on Advanced Engineering Technologies, September 2017