Res. Asst. YUSUF KARABULUT

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: ABC-4397-2020
ScopusID: 57214882996
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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2020 - Continues
Postgraduate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Makine Mühendisliği (Yl) (Tezli), Turkey 2017 - 2020
Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği Bölümü, Turkey 2012 - 2017

Dissertations

Postgraduate, Eklemeli imalat yöntemiyle farklı cidar kalınlıklarında üretilen Inconel 718 alaşım malzemesine uygulanan ikincil işlemlerin malzemenin mekanik özelliklerine etkisinin incelenmesi, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Makine Mühendisliği (Yl) (Tezli), 2020

Research Areas

Non-traditional manufacturing methods, Material, Plastic Forming Methods, Machining Methods

Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2020 - Continues
Research Assistant, Turkish - German University, Faculty Of Engıneerıng, Department Of Mechatronıcs Systems Engıneerıng, 2018 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Additive manufacturing of ceramic particle-reinforced aluminum-based metal matrix composites: a review**
Karabulut Y., Ünal R.
Journal of Materials Science, vol.57, no.41, pp.19212-19242, 2022 (SCI-Expanded)
II. **Effect of machining and drag finishing on the surface integrity and mechanical properties of Inconel**

718 alloys fabricated by laser powder bed fusion additive manufacturingEinfluss der maschinellen Bearbeitung und des Schleppfinishs auf die Oberflachenintegritat und die mechanischen Eigenschaften von additiv gefertigten NiCr19NbMo-Legierungen durch Laserstrahl-Pulverbett-Schmelzen
KARABULUT Y., KAYNAK Y., Sharif S., Suhaimi M. A.
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.53, no.1, pp.109-118, 2022 (SCI-Expanded)

III. **Heat treatment temperature-induced microstructure, microhardness and wear resistance of Inconel 718 produced by selective laser melting additive manufacturing**
KARABULUT Y., Tascioglu E., KAYNAK Y.
Optik, vol.227, 2021 (SCI-Expanded)

IV. **Influence of heat treatment temperature on the microstructural, mechanical, and wear behavior of 316L stainless steel fabricated by laser powder bed additive manufacturing**
Tascioglu E., KARABULUT Y., KAYNAK Y.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.107, no.5-6, pp.1947-1956, 2020 (SCI-Expanded)

V. **Influence of the post-processing operations on surface integrity of metal components produced by laser powder bed fusion additive manufacturing: a review**
Khan H. M., KARABULUT Y., Kitay O., KAYNAK Y., Jawahir I.
Machining Science and Technology, vol.25, no.1, pp.118-176, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Drilling process and resulting surface properties of Inconel 718 alloy fabricated by Selective Laser Melting Additive Manufacturing**
KARABULUT Y., KAYNAK Y.
Procedia CIRP, 01 January 2020

II. **Şekil hafızalı NiTiHf alaşım malzemesinden talaş kaldırma sürecinin sonlu elemanlar yöntemiyle modellenerek simülasyonu ve deneysel verilerle doğrulanması**
Karabulut Y., Taşcıoğlu E., Kaynak Y.
10th INTERNATIONAL CONGRESS ON MACHINING, Antalya, Turkey, 7 - 09 November 2019, pp.93-101

Supported Projects

Karabulut Y., Keleş Ö., Kaya M. Ş., Project Supported by Higher Education Institutions, Elektron Işını Ergitme Yöntemi İle Üretilen Ti6Al4V Malzemesine Uygulanan İkincil İşlemlerin Malzemenin Aşınma Davranışında Meydana Getirdiği Değişimlerin İncelenmesi, 2022 - 2023
Karabulut Y., Kaynak Y., Project Supported by Higher Education Institutions, Eklemeli imalat yöntemiyle farklı cidar kalınlıklarında üretilen Inconel 718 alaşım malzemesine uygulanan ikincil işlemlerin malzemenin mekanik özelliklerine etkisinin incelenmesi, 2019 - 2020
Karabulut Y., Kaynak Y., TUBITAK Project, Şekil Hafızalı Nitihf Malzemelerin Talaşlı İmalatı-Yüzey Bütünlüğü-Ürün Performansı Arasındaki İlişkisinin Araştırılması, 2018 - 2019

Metrics

Publication: 7
Citation (WoS): 160
Citation (Scopus): 248
H-Index (WoS): 5

H-Index (Scopus): 5

Scholarships

2211-A GENEL YURT İÇİ DOKTORA BURSU, TUBITAK, 2022 - Continues