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Publons / Web Of Science ResearcherID: P-9521-2019

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (Dr), Turkey 2018 - 2024

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (YI) (Tezli), Turkey 2015 - 2018

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2010 - 2015

Dissertations

Doctorate, Kaynak kabiliyeti düşük alüminyum alaşımları için kaynak teli tasarımı ve imalatı, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2020

Postgraduate, Metal Matrisli Kompozitlerin Farklı Dövme Yöntemleri ile Dövülerek Yüzey Özelliklerinin İncelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (YI) (Tezli), 2018

Research Areas

Mechanical Engineering

Academic Titles / Tasks

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2017 - Continues

Academic and Administrative Experience

Internship Committee Member, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2017 - Continues

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of reinforcement particle amounts on dry sliding wear behavior of shot-peened SiC/A356 composites**
YOLCU C., KAHRAMAN F.
MATERIALS TESTING, vol.64, no.4, pp.594-601, 2022 (SCI-Expanded)
- II. **Role of enhanced surface grain refinement and hardness improvement induced by the combined effect of friction stir processing and ultrasonic impact treatment on slurry abrasive wear performance of silicon carbide particle reinforced A356 composites**
Gençer G. M., Kahraman F., Yolcu C.
MATERIALS RESEARCH EXPRESS, vol.8, no.12, 2021 (SCI-Expanded)
- III. **Effect of the surface grain refinement on the wear properties of A356/SiC composites**
YOLCU C., KAHRAMAN F.
MATERIALS RESEARCH EXPRESS, vol.6, no.11, 2019 (SCI-Expanded)
- IV. **Effect of the surface nanocrystallization on tribological behavior of the Cu based bimetallic materials (CuPbSn)**
Gencer G. M., YOLCU C., KAHRAMAN F., SAKLAĞOĞLU N.
MATERIALS RESEARCH EXPRESS, vol.6, no.11, 2019 (SCI-Expanded)
- V. **Effect of the loads on the wear resistance of the Cr2O3-TiO2 coated AA 6082 alloy under unlubricated conditions**
Kahraman A. D., YOLCU C., KAHRAMAN F.
MATERIALS RESEARCH EXPRESS, vol.6, no.8, 2019 (SCI-Expanded)
- VI. **LOW-TEMPERATURE NITRIDING BEHAVIOR OF COMPRESSIVE DEFORMED AISI 316Ti AUSTENITIC STAINLESS STEELS**
KAHRAMAN F., Gencer G. M., Kahraman A. D., YOLCU C., Kahraman H.
SURFACE REVIEW AND LETTERS, vol.26, no.5, 2019 (SCI-Expanded)
- VII. **Wear behavior of ultrasonic impact treated S235JR steel**
Kahraman F., Kahraman H., YOLCU C., Kahraman A. D.
MATERIALS TESTING, vol.59, no.5, pp.445-449, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **IMPROVEMENT OF HEAT AFFECTED ZONE OF GTAWed 5754 ALUMINUM ALLOY WITH FSP**
KAHRAMAN F., GENÇER G. M., Yolcu C.
Konya mühendislik bilimleri dergisi (Online), vol.11, no.3, pp.758-769, 2023 (Peer-Reviewed Journal)
- II. **A Survey on Post-Weld Modification of Microstructural and Mechanical Properties of GTAWed Aluminum Butt Joints Through FSP and T6 Heat Treatment**
Gençer G. M., Yolcu C., Kahraman F.
Mühendis ve Makina, vol.63, no.708, pp.511-524, 2022 (Peer-Reviewed Journal)
- III. **Comparison Of The Effects Of Ultrasonic Impact Treatment And Age Hardening On Wear Resistance Of SiCp/A356 Composite**
Gençer G. M., Yolcu C., Kahraman F., Belevi M.
Mühendis ve Makina, vol.62, no.705, pp.768-783, 2021 (Peer-Reviewed Journal)
- IV. **Comparative Examination of Microstructure and Mechanical Properties of AA5754 Aluminum Alloy Joined with Cold Metal Transfer (CMT) and Pulsed Cold Metal Transfer (Pulsed CMT) Welding Processes**
Kahraman F., Gençer G. M., Yolcu C., Demirer Kahraman A., Dilbaz M. E.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.20, no.59, pp.635-646, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Particle and Porosity Content on Tensile Strength and Wear Response of SiC/A356 Composites**
Yolcu C., Kahraman F.
4th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 November 2022, pp.1396-1400
- II. **Investigation of the Grain Refinement Potency of Niobium and KBF₄ Salt for AlSi5 and AlSi12 Alloys by in-situ Inoculation**
Yolcu C., Kahraman F.
4th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 November 2022, pp.1401-1405
- III. **Crack Detection on Industrial Parts with Magnetic Nanoparticles**
Karatay Kutman M., Kozguş Güldü Ö., Harmanşah C., Yolcu C., Kahraman F., Biber Müftüler F. Z.
V. International Ege Composite Materials Symposium 2021, Antalya, Turkey, 4 - 06 November 2021, pp.229
- IV. **Modification of The Weld Zone of TIG Welded AA5754-H111 Plates Using The Double Pass Friction Stir Process**
Gençer G. M., Kahraman F., Yolcu C.
International Izmir Democracy University Engineering Symposium, İzmir, Turkey, 13 - 18 December 2021, pp.3-4
- V. **Experimental Study on The Modification of Microstructural and Mechanical Properties of Stir Casted A356+SiCp Plate Via Multipass Friction Stir Processing**
Gençer G. M., Yolcu C., Kahraman F.
6. Uluslararası Akademik Araştırmalar Kongresi (ICAR 6), Elazığ, Turkey, 23 - 25 August 2021, pp.144-145
- VI. **Investigation of the Microstructures and Mechanical Properties of Thin 5083 Aluminum Alloy Plates Welded by Double Pulse Gmaw Method**
Gençer G. M., Kahraman F., Yolcu C., Demirer Kahraman A., Demircioğlu A.
International Academic Conference on Applied Research in Engineering, Science & Technology (ICAREST 2018), Brussels, Belgium, 14 - 15 September 2018, pp.44-52
- VII. **Improvement of the Tribological Characteristic of Bimetallic Journal Bearing With Surface Coating by Cold Spray Process**
Yolcu C., Gençer G. M., Kahraman F., Demirer Kahraman A.
International Academic Conference on Applied Research in Engineering, Science & Technology (ICARET 2018), Brussels, Belgium, 14 - 15 September 2018, pp.11-16
- VIII. **Investigation of Microstructures and Mechanical Properties of the Joints Which Welded by the Pinless Tool and The Designed Tool to Reduce the Keyhole in The Friction Stir Spot Welding**
Kahraman F., Demirer Kahraman A., Yolcu C., Gençer G. M., Tüm M.
International Academic Conference on Applied Research in Engineering, Science & Technology (ICAREST 2018), Brussels, Belgium, 14 - 15 September 2018, pp.18-28
- IX. **Investigation of Surface Mechanical Properties of Cu Based Bimetal Sliding Bearing Materials**
Gençer G. M., Yolcu C., Kahraman F.
International Advanced Researches & Engineering Congress (IAREC 2017), Osmaniye, Turkey, 16 - 18 November 2017, pp.491
- X. **Examination the Wear Behaviors of Deformed Cu Based Bimetals with Ultrasonic Impact Treated**
Yolcu C., Gençer G. M., Kahraman F.
International Advanced Researches & Engineering Congress (IAREC 2017), Osmaniye, Turkey, 16 - 18 November 2017, pp.492
- XI. **Ultrasonik Darbe Yöntemi (UDY) İle Kaynaklı Bağlantıların Yorulma Dayanımının İyileştirilmesi**
Kahraman F., Yolcu C., Demirer Kahraman A.
16th International Materials Symposium IMSP'2016, Manisa, Turkey, 12 - 14 October 2016, pp.1776-1783
- XII. **Bir Krank Milinde Oluşan Yorulma Çatlağının İncelenmesi**
Kahraman F., Kahraman H., Demirer Kahraman A., Yolcu C.
16th International Materials Symposium IMSP'2016, Manisa, Turkey, 12 - 14 October 2016, pp.338-342

Supported Projects

Kahraman F., TUBITAK Project, Alüminyum-Silisyum Alasımları için Yeni Nesil Kaynak Teli Tasarımı ve İmalatı, 2021 - 2022

Scientific Refereeing

ADVANCED ENGINEERING MATERIALS, Journal Indexed in SCI-E, August 2023

ADVANCED ENGINEERING MATERIALS, Journal Indexed in SCI-E, July 2023

Metrics

Publication: 23

Citation (WoS): 22

Citation (Scopus): 16

H-Index (WoS): 3

H-Index (Scopus): 3

Scholarships

Yurt Dışı Doktora Sırası Araştırma Burs Programı (Harbin Institute of Technology), TUBITAK, 2024 - 2024