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International Researcher IDs

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Publons / Web Of Science ResearcherID: HOF-2091-2023

ScopusID: 57208275061

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, Turkey 2018 - 2024

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, Turkey 2015 - 2018

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2011 - 2015

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Project Management, TÜBİTAK 1505 Üniversite Sanayi İş Birliği Destek Programına Yönelik Uygulamalı Proje Önerisi Hazırlama Eğitimi, Karadeniz Teknik Üniversitesi, 2024

Project Management, Teknokentlerde Yer Alan/Almak İsteyen Akademisyenlere Yönelik Ar-Ge Projesi Hazırlama Eğitimi, Karadeniz Teknik Üniversitesi, 2022

Vocational Training, 3D TARAYICI VE YAZICI YETKİNLİK GELİŞTİRME PROGRAMI , TMMOB Makina Mühendisleri Odası, 2021

Dissertations

Doctorate, Investigation of Mechanical and Fatigue Behaviors of ABS Based Blended Materials Produced by Injection Molding and Additive Manufacturing, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2024

Postgraduate, BASINÇLANDIRILMIŞ İNCE CİDARLI TÜPLERİN ÇARPMA PERFORMANSLARININ BELİRLENMESİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı / Mekanik , 2018

Research Areas

Mechanical Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2016 - Continues

Courses

Mukavemet-I, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fatigue behavior of polymethyl methacrylate/acrylonitrile butadiene styrene blends including blend composition, stress ratio, frequency, and holding pressure effects**
Kuleyin H., Gümrük R., Çalışkan S.
INTERNATIONAL JOURNAL OF FATIGUE, vol.187, pp.1-17, 2024 (SCI-Expanded)
- II. **Energy absorbing characteristics of pressurized filled tubes under quasi-static loading**
Kuleyin H., Mchich G., Gümrük R.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, no.1, pp.1-17, 2024 (SCI-Expanded)
- III. **Predicting mechanical behavior of different thin-walled tubes using data-driven models**
Kuleyin H., Karabacak Y. E., Gümrük R.
MATERIALS TODAY COMMUNICATIONS, vol.40, 2024 (SCI-Expanded)
- IV. **The effect of ABS fraction on the fatigue behavior of PMMA/ABS polymer blends**
Kuleyin H., Gümrük R., Caliskan S.
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)
- V. **The numerical evaluation of crash performance of the pressurized thin-walled tubes**
KULEYİN H., GÜMRÜK R.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.44, no.3, 2022 (SCI-Expanded)
- VI. **Effect of Boronizing on Operating Stability of Steel AISI 304L under Erosion Impact of Hard Particles**
BİCAN O., BAYÇA S. U., KULEYİN H., GÜMRÜK R.
METAL SCIENCE AND HEAT TREATMENT, vol.63, no.3-4, pp.156-162, 2021 (SCI-Expanded)
- VII. **The mechanical compression performance of ultra-fine grained stainless steel pyramidal lattice core**
Kuleyin H., GÜMRÜK R., YANAR H., DEMIRTAS M., PÜRÇEK G.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.28, no.10, pp.1073-1078, 2021 (SCI-Expanded)
- VIII. **Development of Optical, Microstructural and Mechanical Properties of Porcelain Stonewares**
Aydin T., Bican O., GÜMRÜK R., KULEYİN H.
SCIENCE OF SINTERING, vol.53, no.1, pp.79-90, 2021 (SCI-Expanded)
- IX. **Pressure wave propagation in pressurized thin-walled circular tubes under axial impact**
Kuleyin H., Gümrük R.
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING, vol.130, pp.138-152, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of the compression behavior of ABS/EVA polymer blends**
Budak S., Kuleyin H., Gümrük R.

The International Journal of Materials and Engineering Technology, vol.7, no.1, pp.12-17, 2024 (Peer-Reviewed Journal)

II. Investigating the effects of hot isostatic pressure heat treatment on mechanical properties of PLA based BCC lattices

KULEYİN H., UŞUN A., GÜMRÜK R.

Selcuk University Journal of Engineering Sciences, vol.21, no.1, 2022 (Peer-Reviewed Journal)

III. INVESTIGATION OF DYNAMICS MECHANICAL BEHAVIOUR OF STAINLESS STEEL STRUCTURES PRODUCED BY THE SELECTIVE LASER MELTING TECHNIQUE

GÜMRÜK R., KULEYİN H., MİNES B.

International Journal of Engineering, Technology and Natural Sciences, vol.1, no.1, pp.23-30, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. A NOVEL ULTRA-LIGHTWEIGHT LATTICE MANUFACTURING METHOD WITH CONTINUOUS CARBON FIBER REINFORCED PEEK

Gümrük R., Kuleyin H., Uşun A., Çamtekne A. H., Kebap F., İncehasan İ.

International Congress on 3D Printing(Additive Manufacturing) Technologies and Digital Industry (3D-PTC2024), Antalya, Turkey, 6 - 08 September 2024, pp.1-11

II. Investigating the Reflective Performance of Micro Cellular Foam Based High-Performance Diffusive Reflectors

UŞUN A., GÜMRÜK R., KULEYİN H.

3. INTERNATIONAL DİCLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Diyarbakır, Turkey, 26 November 2022

III. Investigating of the Effects of Hot Isostatic Pressure Heat Treatment on Mechanical Properties of PLA Based BCC Lattices

KULEYİN H., UŞUN A., GÜMRÜK R.

INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGIES, Konya, Turkey, 18 - 20 November 2021

IV. ENERGY ABSORPTION PERFORMANCE OF PRESSURIZED THIN-WALLED TUBES

KULEYİN H., GÜMRÜK R.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.20-30

V. BASINÇLANDIRILMIŞ İNCE CİDARLI TÜPLERİN ADAPTİF ENERJİ SÖNÜMLEYİCİ OLARAK KULLANIMI

KULEYİN H., GÜMRÜK R.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.30-40

VI. INVESTIGATION OF DYNAMICS MECHANICAL BEHAVIOUR OF STAINLESS STEEL STRUCTURES PRODUCED BY THE SELECTIVE LASER MELTING TECHNIQUE

GÜMRÜK R., KULEYİN H., MİNES B.

MECHATECH INTERNATIONAL MECHANICAL ENGINEERING AND TECHNOLOGIES CONFERENCE, İstanbul, Turkey, 17 - 18 May 2016, pp.150-157

Supported Projects

Kuleyin H., Gümrük R., Çalışkan S., TÜBİTAK Project, PMMA ve ABS Mühendislik Polimerlerinin Saf/İkili Karışım Olarak Mekanik Özellikleri ve Yorulma Davranışlarının İncelenmesi, 2023 - 2024

Gümrük R., Çuvalcı H., Varol T., Aslan M., Cora Ö. N., Kuleyin H., Project Supported by Higher Education Institutions, Sürekli Elyaf Takviyeli Termoplastik Kompozitlerin Üretim Parametrelerinin Malzemelerin Yorulma Davranışına Etkisinin İncelenmesi, 2021 - 2024

Gümrük R., Uşun A., Kuleyin H., Project Supported by Higher Education Institutions, Üç Boyutlu Yazıcı Kullanılarak Yüksek Mukavemetli Sürekli Elyaf Takviyeli Termoplastik Kompozitlerin Üretilmesi, 2020 - 2022
Küçük H., Kuleyin H., Development Agency, Mekanik Tasarım Eğitimi , 2019 - 2019
Gümrük R., Aygün C., Kuleyin H., Uşun A., TUBITAK Project, Yüksek Performanslı Difüzyon Reflektör İmalatı, 2018 - 2019
Gümrük R., Kuleyin H., Project Supported by Higher Education Institutions, Basınçlandırılmış Enerji Sönümlenme Elemanlarının Darbe Davranışının İncelenmesi, 2018 - 2019
Gümrük R., Kuleyin H., Project Supported by Higher Education Institutions, Darbe Sönümlenme Tüpleri İçin İç Basınç Torbası, 2017 - 2018
KULEYİN H., Project Supported by Other Official Institutions, TAI-TUSAŞ Düşük Enerjili Çarpışma Altında Helikopter Palinin Aşınma Davranışının Deneysel Ve Sayısal İncelenmesi, 2015 - 2017

Patent

Kuleyin H., Gümrük R., Darbe sönümlenme tüpleri için bir iç basınç torbası., Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: 2017 19881 , Standard Registration, 2021

Memberships / Tasks in Scientific Organizations

Tmmob Makine Mühendisleri Odası, Board Member, 2022 - 2024, Turkey

Scientific Refereeing

JOURNAL OF POLYMER RESEARCH, Journal Indexed in SCI-E, May 2024

Proceedings Of The Institution Of Mechanical Engineers Part D-Journal Of Automobile Engineering, SCI Journal, March 2021

Tasks In Event Organizations

Kuleyin H., 12. ULUSAL UÇAK, HAVACILIK VE UZAY MÜHENDİSLİĞİ KURULTAYI, Scientific Congress, Eskişehir, Turkey, Mayıs 2023

Metrics

Publication: 19

Citation (WoS): 14

Citation (Scopus): 19

H-Index (WoS): 3

H-Index (Scopus): 3

Congress and Symposium Activities

5th International Conference on Engineering Technologies , Attendee, Konya, Turkey, 2021

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Attendee, Nevşehir, Turkey, 2019

TAİ-1. Genç Araştırmacılar Çalıştayı, Attendee, Ankara, Turkey, 2016

MECHATECH'16, Attendee, İstanbul, Turkey, 2016

Awards

KULEYİN H., Karadeniz Teknik Üniversitesi Makine Mühendisliği Bölüm İkincisi, Karadeniz Teknik Üniversitesi, June 2015

Non Academic Experience

Business Establishment Private, Yasuto Mühendislik