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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: ABC-4544-2021

ScopusID: 57209371067

Eğitim Bilgileri

Post Doktora, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Türkiye 2020 - 2022

Bütünleşik Doktora, Universiti Kebangsaan Malaysia, Faculty of Engineering, Department of Mechanical Engineering, Malezya 2016 - 2020

Yüksek Lisans, Universiti Teknologi Malaysia, Faculty of Engineering, Department of Mechanical Engineering, Malezya 2012 - 2014

Lisans, Islamic Azad University, Faculty of Engineering, Department of Mechanical Engineering, İran 2002 - 2010

Araştırma Alanları

Katı Cisimler Mekaniği, Kırılma Mekaniği, Sonlu Elemanlar Yöntemi, Sürekli Ortam Mekaniği

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Computational homogenization of fatigue in additively manufactured microlattice structures**
Mozafari F., Temizer I.
COMPUTATIONAL MECHANICS, cilt.71, sa.2, ss.367-384, 2023 (SCI-Expanded)
- II. **Static and dynamic deformation response of smart laminated composite plates induced by inclined piezoelectric actuators**
Gohari S., Mozafari F., Moslemi N., Mouloudi S., Alebrahim R., Ahmed M., Abdi B., Sudin I., Burvill C.
JOURNAL OF COMPOSITE MATERIALS, cilt.56, sa.21, ss.3269-3293, 2022 (SCI-Expanded)
- III. **A new analytical solution for elastic flexure of thick multi-layered composite hybrid plates resting on Winkler elastic foundation in air and water**
Gohari S., Mouloudi S., Mozafari F., Alebrahim R., Moslemi N., Burvill C., Albarody T. M. B.
OCEAN ENGINEERING, cilt.235, 2021 (SCI-Expanded)
- IV. **Finite-element simulation of multi-axial fatigue loading in metals based on a novel experimentally-validated microplastic hysteresis-tracking method**
Mozafari F., Thamburaja P., Moslemi N., Srinivasa A.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, cilt.187, 2021 (SCI-Expanded)
- V. **Analytical solution of the electro-mechanical flexural coupling between piezoelectric actuators and flexible-spring boundary structure in smart composite plates**

Gohari S., Mozafari F., Moslemi N., Mouloudi S., Sharifi S., Rahmanpanah H., Burvill C.

ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, cilt.21, sa.1, 2021 (SCI-Expanded)

VI. Mechanical characterization of particulated FRP composite pipes: A comprehensive experimental study

Saghir F., Gohari S., Mozafari F., Moslemi N., Burvill C., Smith A., Lucas S.

POLYMER TESTING, cilt.93, 2021 (SCI-Expanded)

VII. Flexural and free vibration control of smart epoxy composite beams using shape memory alloy wires actuator

Zardian M. G., Moslemi N., Mozafari F., Gohari S., Yahya M. Y., Burvill C., Ayob A.

JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES, cilt.31, sa.13, ss.1557-1566, 2020 (SCI-Expanded)

VIII. A novel smart assistive knee brace incorporated with shape memory alloy wire actuator

Moslemi N., Gohari S., Mozafari F., Zardian M. G., Burvill C., Yahya M. Y., Ayob A.

JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES, cilt.31, sa.13, ss.1543-1556, 2020 (SCI-Expanded)

IX. Uniaxial and biaxial ratcheting behavior of pressurized AISI 316L pipe under cyclic loading: Experiment and simulation

Moslemi N., Mozafari F., Abdi B., Gohari S., Redzuan N., Burvill C., Ayob A.

INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.179, 2020 (SCI-Expanded)

X. Fatigue life prediction under variable amplitude loading using a microplasticity-based constitutive model

Mozafari F., Thamburaja P., Srinivasa A., Abdullah S.

INTERNATIONAL JOURNAL OF FATIGUE, cilt.134, 2020 (SCI-Expanded)

XI. A rate independent inelasticity model with smooth transition for unifying low-cycle to high-cycle fatigue life prediction

Mozafari F., Thamburaja P., Srinivasa A. R., Moslemi N.

INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.159, ss.325-335, 2019 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Optimization procedure for parameter determination of caboche kinematic hardening model

Moslemi N., Golzardian M., Redzuan N., MOZAFARI F., Ayob A.

2019 Sustainable and Integrated Engineering International Conference, SIE 2019, Putrajaya, Malezya, 8 - 09 Aralık 2019, cilt.884

II. Effect of pitting corrosion on strength of AISI 410 stainless steel compressor blades

Mat Noh M., MOZAFARI F., Khattak M. A., Tamin M.

1st International Materials, Industrial and Manufacturing Engineering Conference, MIMEC 2013, Johor-Bahru, Malezya, 4 - 06 Aralık 2013, cilt.606, ss.227-231

Burslar

Horizon 2020 (Co-Funded Brain Circulation Scheme), Avrupa Birliği Komisyonu, 2020 - 2022

FRGS Ph.D Scholarship, Diğer Uluslararası Organizasyonlar, 2016 - 2020