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Education Information

Doctorate, Cukurova University, Fen Bilimleri, Makine Mühendisliği, Turkey 2012 - 2018

Postgraduate, Cukurova University, Fen Bilimleri, Makine Mühendisliği, Turkey 2010 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Mechanics of Composite Structures Using Matlab GUI, Cukurova University, Makine Mühendisliği, Mekanik, 2012

Research Areas

Mechanical Engineering, Mechanical, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2011 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Artificial intelligence techniques for the vibration, noise, and emission characteristics of a hydrogen-enriched diesel engine**
YILDIRIM S., TOSUN E., ÇALIK A., ULUOCAK İ., AVŞAR E.
ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.41, no.18, pp.2194-2206, 2019 (SCI-Expanded)
- II. **Radial vibration analysis of heterogeneous and non-uniform disks via complementary functions method**
YILDIRIM S., TÜTÜNCÜ N.
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.53, no.5, pp.332-337, 2018 (SCI-Expanded)

- III. **On the inertio-elastic instability of variable-thickness functionally-graded disks**
YILDIRIM S., TÜTÜNCÜ N.
MECHANICS RESEARCH COMMUNICATIONS, vol.91, pp.1-6, 2018 (SCI-Expanded)
- IV. **Axisymmetric plane vibration analysis of polar-anisotropic disks**
YILDIRIM S., TÜTÜNCÜ N.
COMPOSITE STRUCTURES, vol.194, pp.509-515, 2018 (SCI-Expanded)
- V. **Estimation of crack propagation in polymer electrolyte membrane fuel cell under vibration conditions**
Calik A., YILDIRIM S., TOSUN E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23347-23351, 2017 (SCI-Expanded)
- VI. **Evaluation of vibration characteristics of a hydroxyl (HHO) gas generator installed diesel engine fuelled with different diesel-biodiesel blends**
Uludamar E., TOSUN E., Tuccar G., YILDIZHAN Ş., Calik A., YILDIRIM S., SERİN H., ÖZCANLI M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23352-23360, 2017 (SCI-Expanded)
- VII. **Effect of adherend recessing on bi-adhesively bonded single-lap joints with spew fillet**
Calik A., YILDIRIM S.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.42, no.3, pp.317-325, 2017 (SCI-Expanded)
- VIII. **An investigation on the effect of parallel slot in bi-adhesive single lap joints with spew fillet**
ÇALIK A., YILDIRIM S.
JOURNAL OF ENGINEERING RESEARCH, vol.3, no.4, pp.95-110, 2015 (SCI-Expanded)
- IX. **Elastic and viscoelastic response of heterogeneous annular structures under arbitrary transient pressure**
TEMEL B., YILDIRIM S., TÜTÜNCÜ N.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.89, pp.78-83, 2014 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison of diesel fuel atomization characteristics of hydrogen gas and air in a special injection device**
TÜCCAR G., YILDIRIM S., ÇALIK A., ULUDAMAR E., SERİN H., ÖZCANLI M., AYDIN K.
2nd International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 October 2017
- II. **Comparison of diesel fuel atomization characteristics of hydrogen gas and air in a special injection device**
TÜCCAR G., YILDIRIM S., ÇALIK A., Uludamar E., SERİN H., ÖZCANLI M., AYDIN K.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1321
- III. **Comparison of diesel fuel atomization characteristics of hydrogen gas and air in a special injection device**
Tüccar G., YILDIRIM S., ÇALIK A., ULUDAMAR E., SERİN H., ÖZCANLI M., AYDIN K.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1321
- IV. **Remaining Useful Life Estimation from Fuel Cell Data Using Support Vector Regression Models**
AVŞAR E., YILDIRIM S., Çalık A.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1563
- V. **Rotational Instability of Polar Orthotropic Nonuniform Disks**
YILDIRIM S., TÜTÜNCÜ N.
8th International Conference on Mechanical and Aerospace Engineering (ICMAE), Prague, Czech Republic, 22 - 25 July 2017, pp.586-590
- VI. **Evaluation of vibration characteristics of a hydroxyl (HHO) gas generator installed diesel engine fuelled with different diesel-biodiesel blends**

Uludamar E., TOSUN E., Tüccar G., YILDIZHAN Ş., Çalık A., YILDIRIM S., SERİN H., ÖZCANLI M.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.2005

- VII. **Keyfi Dinamik İç Basınç Altındaki Heterojen Dairesel Yapıların Elastik ve Viskoelastik Davranışları**
TRABZON TÜRKİYE 24 28 Ağustos 2015 ss 1 10
TEMEL B., YILDIRIM S., TÜTÜNCÜ N.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.1-10
- VIII. **Keyfi Dinamik İç Basınç Altındaki Heterojen Dairesel Yapıların Elastik ve Viskoelastik Davranışları**
Temel B., Yıldırım S., Tütüncü N.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.1-10
- IX. **Analysis of Composite Plates by KomPro**
YILDIRIM S., Tütüncü N.
(IJAS) International Conference for Academic Dicipines, Viyana, Austria, 6 - 10 April 2014, pp.1-2

Supported Projects

TÜTÜNCÜ N., YILDIRIM S., Project Supported by Higher Education Institutions, FDM Fonksiyonel Derecelenmiş Malzeme Dönen Sabit ve Değişken Kalınlıklı Disklerin İnstabilite Analizi, 2017 - 2018

Metrics

Publication: 19

Citation (WoS): 91

Citation (Scopus): 107

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H-Index (Scopus): 4