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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Türkiye 2018 - 2024

Araştırma Alanları

Makina Elemanları, Makina Tasarımı, Kırılma Mekaniği, Sonlu Elemanlar Yöntemi

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Predicting the tensile stiffness and strength properties of plain woven carbon fiber/epoxy laminates: a practical analytical approach and experimental validations**
Uzay Ç., Çetin A., Geren N., Bayramoğlu M., Tütüncü N.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, cilt.31, sa. 12, ss.2619-2634, 2024 (SCI-Expanded)
- II. **Predicting the indentation load of FRP facesheet / foam core sandwiches**
Çetin A., Uzay Ç., Tütüncü N., Geren N.
STRUCTURES, cilt.62, 2024 (SCI-Expanded)
- III. **Utilizing almond shell filler to improve strength and sustainability of jute fiber composites**
Çetin A.
Polymer Composites, 2024 (SCI-Expanded)
- IV. **A practical approach to predict the flexural properties of woven plain carbon fiber/epoxy laminates**
Çetin A., Uzay Ç., Geren N., Bayramoğlu M., Tütüncü N.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, cilt.30, sa.9, ss.1801-1811, 2023 (SCI-Expanded)
- V. **Physical and mechanical properties of laminar composites depending on the production methods: an experimental investigation**
Uzay Ç., Çetin A., Geren N.
SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, cilt.47, sa.4, ss.1-14, 2022 (SCI-Expanded)
- VI. **3D pull-out finite element simulation of the pedicle screw-trabecular bone interface at strain rates**
Çetin A., Bircan D. A.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, cilt.236, sa.1, ss.134-144, 2022 (SCI-Expanded)
- VII. **Experimental investigation of pull-out performance of pedicle screws at different polyurethane (PU) foam densities**

Çetin A., Bircan D. A.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, cilt.235, sa.6, ss.709-716, 2021 (SCI-Expanded)

VIII. **ASSESSMENT OF CRACK INITIATION AND PROPAGATION IN BONE USING ACOUSTIC EMISSION (AE) TECHNIQUES**

KARADUMAN D., BİRCAN D. A., ÇETİN A.

JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY, cilt.18, sa.3, 2018 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Evaluation of Flexural Stiffness for the Lightweight Polymer Foam Core Sandwich Structures**

UZAY Ç., ACER D. C., GEREN N., ÇETİN A.

International Journal of Mechanical and Production Engineering (IJMPE), cilt.6, sa.9, ss.36-40, 2018 (Hakemli Dergi)

II. **AKUSTİK EMİSYON (AE) YÖNTEMİNİN BİYOMEDİKAL ALANDA ALTERNATİF BİR METOT OLARAK UYGULANMASI**

Bircan D. A., Karaduman D., Çetin A.

Adıyaman Üniversitesi Mühendislik Bilimleri Dergisi, cilt.6, ss.34-41, 2017 (Hakemli Dergi)

III. **Non-Destructive examination of underground pressure vessels using acoustic emission (AE) techniques**

Karaduman D., Bircan D. A., Çetin A.

European Mechanical Science, cilt.1, sa.1, ss.1-8, 2017 (Hakemli Dergi)

IV. **Pull Out Performance of Medical Screws Used in Orthopaedic Surgeries**

BİRCAN D. A., ÇETİN A.

Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.31, ss.221-228, 2016 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Finite Element Simulations of Cortical and Trabecular Bone to Assess Constitutive Material Modelling Parameters**

ÇETİN A., BİRCAN D. A., KARADUMAN D.

Third International Congress On Natural And Engineering Sciences, Belgrade, Sırbistan Ve Karadağ, 21 - 25 Haziran 2017, ss.12

II. **Significant influence of rating the spur gear design results obtained from iso and agma standards**

Uzay Ç., Geren N., Çetin A.

1st International Mediterranean SCIENCE AND ENGINEERING CONGRESS, Adana, Türkiye, 26 - 28 Ekim 2016

III. **Non-Destructive Examination of Underground Pressure Vessels Using Acoustic Emission (AE) Techniques**

KARADUMAN D., BİRCAN D. A., ÇETİN A.

1st International Mediterranean Science And Engineering Congress (IMSEC2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.438

IV. **Pull out performance of medical screws used in orthopaedic surgeries**

BİRCAN D. A., ÇETİN A.

1st International Mediterranean Science And Engineering Congress (IMSEC2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.318

V. **Biomedical Considerations in Fracture Fixation Using Orthopaedic Implants**

BİRCAN D. A., ÇETİN A., KARADUMAN D.

International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Türkiye, 1 - 03 Eylül 2016, ss.33-41

Patent

Geren N., Bayramođlu M., Özkan G. M., Uzay Ç., Çetin A., Acer D. C., Diker İ., İbekci M. B., COMPOSITE BATTERY ENCLOSURE WITH THERMAL MANAGEMENT AND SELF-HEALING (REPAIRING) FEATURES, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: PCT/TR2024/050272 , Standart Tescil, 2024

Geren N., Bayramođlu M., Özkan G. M., Uzay Ç., Çetin A., Acer D. C., Diker İ., İbekci M. B., Termal Yönetim Ve Kendini İyileştirme (Tamir Etme) Özellikli Kompozit Batarya Muhafaza Kutusu, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2024/002940 , Standart Tescil, 2024

Metrikler

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Atıf (WoS): 4

Atıf (Scopus): 4

H-İndeks (WoS): 1

H-İndeks (Scopus): 1