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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAF-7322-2021

ScopusID: 57199322959

Yoksis Araştırmacı ID: 239620

Eğitim Bilgileri

Doktora, Marmara Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Türkiye 2006 - 2013

Yüksek Lisans, Marmara Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Türkiye 2001 - 2004

Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği, Türkiye 1994 - 1998

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Makina Mühendisliği, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Yıldız Teknik Üniversitesi, Rektörlük, -, 2015 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Experimental study of adhesively bonded joints with dissimilar composite laminates under different loading rates and ambient temperatures**
Erbayrak E., Gumus B. E., Yuncuoglu E. U.
Journal of the Brazilian Society of Mechanical Sciences and Engineering, cilt.45, sa.5, 2023 (SCI-Expanded)
- II. **Effect of MA-g-PP addition on mechanical properties of polypropylene/hollow glass spheres/nanoclay composites**
Eker Gümüş B.
Polymer Bulletin, cilt.80, sa.3, ss.3405-3422, 2023 (SCI-Expanded)
- III. **Morphological, rheological, and mechanical properties of PLA/TPU/nanoclay blends compatibilized with epoxy-based Joncryl chain extender**
Kahraman Y., Özdemir B., Gümüş B., Nofar M.

COLLOID AND POLYMER SCIENCE, cilt.1, sa.2, ss.1-12, 2022 (SCI-Expanded)

- IV. **Thermal, structural and morphological properties of polypropylene and high density polyethylene polymer composites filled with waste urea formaldehyde**
Yağci Ö., Gümüş B., Taşdemir M.
POLYMER BULLETIN, 2022 (SCI-Expanded)
- V. **Composition design of PLA/TPU emulsion blends compatibilized with multifunctional epoxy-based chain extender to tackle high impact resistant ductile structures**
Kahraman Y., Alkan Göksu Y., Özdemir B., GÜMÜŞ B., Nofar M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.139, sa.12, 2022 (SCI-Expanded)
- VI. **Effects of Various Laser Treatments on Surface Characterization and Repair Bond Strength of Zirconia-Reinforced Lithium Silicate Ceramics**
Benli M., Kilic E., Gümüş B., Turkyilmaz I.
JOURNAL OF PROSTHODONTICS, cilt.35, sa.2, ss.137-244, 2022 (SCI-Expanded)
- VII. **High-density polyethylene/artichoke leaf powder polymer composites: dynamic mechanical, morphological and thermal properties**
Gümüş B., Yağci Ö., Taşdemir M.
Iranian Polymer Journal, 2022 (SCI-Expanded)
- VIII. **Impact of print bed build location on the dimensional accuracy and surface quality of parts printed by multi jet fusion**
SAĞBAŞ B., Gumus B. E., Kahraman Y., Dowling D. P.
JOURNAL OF MANUFACTURING PROCESSES, cilt.70, ss.290-299, 2021 (SCI-Expanded)
- IX. **An Experimental and Numerical Determination on Low-Velocity Impact Response of Hybrid Composite Laminate**
ERBAYRAK E., YÜNCÜOĞLU E. U., KAHRAMAN Y., GÜMÜŞ B.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING, cilt.45, sa.3, ss.665-681, 2021 (SCI-Expanded)
- X. **Thermal, structural and dynamical mechanical properties of hollow glass sphere-reinforced polypropylene composites**
YAĞCI Ö., Eker Gumus B., TAŞDEMİR M.
POLYMER BULLETIN, cilt.78, sa.6, ss.3089-3101, 2021 (SCI-Expanded)
- XI. **Can polylactic acid be a CAD/CAM material for provisional crown restorations in terms of fit and fracture strength?**
Benli M., Eker-GÜMÜŞ B., Kahraman Y., Huck O., Özcan M.
Dental materials journal, cilt.40, ss.772-780, 2021 (SCI-Expanded)
- XII. **Surface characterization and bonding properties of milled polyetheretherketone dental posts**
Benli M., Eker Gümüş B., Kahraman Y., Huck O., Özcan M.
Odontology, cilt.108, sa.4, ss.596-606, 2020 (SCI-Expanded)
- XIII. **THERMAL, STRUCTURAL AND MORPHOLOGICAL CHARACTERIZATION OF DENTAL POLYMERS FOR CLINICAL APPLICATIONS**
Benli M., Gümüş B., Kahraman Y., Yağci Ö., Ceylan Erdoğan D.
JOURNAL OF PROSTHODONTIC RESEARCH, cilt.65, sa.2021, ss.1-9, 2020 (SCI-Expanded)
- XIV. **Investigations of Strain Rate Effects on the Mechanical Properties of Hybrid Composite Laminate Under Varying Temperatures**
Erbayrak E., Gümüş B., Kahraman Y., Yüncüoğlu E. U.
Arabian Journal For Science And Engineering, ss.1-12, 2020 (SCI-Expanded)
- XV. **Surface roughness and wear behavior of occlusal splint materials made of contemporary and high-performance polymers**
Benli M., Gumus B., KAHRAMAN Y., Gokcen-Rohlig B., Evlioglu G., Huck O., Ozcan M.
ODONTOLOGY, cilt.108, sa.2, ss.240-250, 2020 (SCI-Expanded)
- XVI. **Dynamical Mechanical Properties of Polypropylene Composites Filled with Olive Pit Particles**
EKER GÜMÜŞ B., YAĞCI Ö., CEYLAN ERDOĞAN D., Taşdemir M.

JOURNAL OF TESTING AND EVALUATION, ss.1-12, 2019 (SCI-Expanded)

- XVII. **Effects of process parameters on the quality of PLA products fabricated by fused deposition modeling (FDM): surface roughness and tensile strength**

Altan M., Eryıldız M., Gumus B., Kahraman Y.

MATERIALS TESTING, cilt.60, ss.471-477, 2018 (SCI-Expanded)

- XVIII. **Characterization of hollow glass sphere reinforced epoxy composites: Dynamical mechanical analysis and morphology**

Altan M., Gümüş B., KAHRAMAN Y.

Materialpruefung/Materials Testing, cilt.59, sa.3, ss.239-243, 2017 (SCI-Expanded)

- XIX. **Sustainable machining of the magnesium alloy materials in the CNC lathe machine and optimization of the cutting conditions**

Eker Gümüş B., Ekici B., Kurt M., Bakır B.

MECHANIKA, cilt.20, ss.310-316, 2014 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Akrilonitril Bütadien Stiren (ABS) Kopolimerinin Fiziksel Özelliklerine Çelik Tufalinin Etkisi**

Ulutaş E., Taşdemir M., Gümüş B.

Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.13, sa.2, ss.1287-1296, 2023 (Hakemli Dergi)

- II. **Yüksek Yoğunluklu Polietin (YYPE)/Çinko Borat Polimer Kompozitinin Mekanik Özelliklerine Grafenin Etkisi**

ULUTAŞ E., GÜMÜŞ B., TAŞDEMİR M.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, cilt.11, sa.1, ss.133-141, 2023 (Hakemli Dergi)

- III. **Effect of Montmorillonite Clay on Physical Properties of HDPE/ HGSCOMPOSITES**

GÜMÜŞ B.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, cilt.21, sa.3, ss.735-744, 2021 (Hakemli Dergi)

- IV. **A RELIABILITY APPROACH FROM MECHANICAL ENGINEERING POINT OF VIEW**

EKER GÜMÜŞ B.

Sigma Mühendislik ve Fen Bilimleri Dergisi, sa.36, ss.629-644, 2018 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **OPTIMIZATION OF PROCESS PARAMETERS FOR TENSILE STRENGTH OF 3D PRINTED CARBON FIBER BASED POLYAMIDE SAMPLES**

Kaya E., Hartomacioğlu S., Gümüş B.

IV. International Science and Innovation Congress, İstanbul, Türkiye, 27 - 30 Temmuz 2023, ss.9

- II. **THERMAL, MORPHOLOGICAL AND DYNAMICAL MECHANICAL PROPERTIES OF HDPE/HGS/MMT NANOCOMPOSITES**

EKER GÜMÜŞ B.

FOURTH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING: ICAME 2018

SUPPORTED BY JOURNAL OF THERMAL ENGINEERING INTERNATIONAL JOURNAL OF ADVANCES ON

AUTOMOTIVE AND TECHNOLOGY ICAME 2018 DECEMBER 19-, İstanbul, Türkiye, 19 Aralık 2018, ss.800-806

- III. **Improvement in Adhesion of Sandwich Structures With Polypropylene Honeycomb Core Depending on Surface Roughness and Fabrication Method**

Sönmez M. E., Eker Gümüş B., Eryıldız M., Altan M.

4th International Conference on Advances In Mechanical Engineering, ICAME 2018, İstanbul, Türkiye, 19 - 21

Aralık 2018, ss.1038-1045

- IV. **CAM KÜRE VE NANOKİL KATKILI YÜKSEK YOĞUNLUKLU POLİETİLEN POLİMER KOMPOZİTLERİNİN MEKANİK ÖZELLİKLERİ**

EKER GÜMÜŞ B.

13. Ulusal Kimya Mühendisliği Kongresi, Van, Türkiye, 03 Eylül 2018, ss.20-28

V. A New Sheet Die Design Methodology to Eliminate Scrap Shedding Problems During Mass Production

EKER GÜMÜŞ B., Ekici B.

ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Türkiye, 12 Temmuz 2010, sa.3, ss.243-249

VI. Transit Connect Yük Sabitleme Kancasının Dayanım Analizi(Ford Otosan)

EKER GÜMÜŞ B.

Türkiye Abaqus Kullanıcılar Toplantısı SIMULIA, İstanbul, Türkiye, 05 Kasım 2008, cilt.8, sa.1, ss.5-10

Metrikler

Yayın: 29

Atıf (WoS): 32

Atıf (Scopus): 31

H-İndeks (WoS): 3

H-İndeks (Scopus): 3

Akademi Dışı Deneyim

FORD OTOSAN ARAÇ MÜHENDİSLİĞİ

FRIGO MEKANİK TESİSAT VE TAAHHUT A.Ş.

Tekno Polimer Mühendislik Plastikleri Sanayi ve Ticaret AS