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Kişisel Bilgiler

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Araştırma Alanları

Malzeme Bilimi ve Mühendisliği, Biyomalzemeler, Malzeme Karakterizasyonu, Nanomalzemeler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Biocompatible Janus microparticle synthesis in a microfluidic device**
Saqib M., TUFAN Y., Orsel Z. C., ERCAN B., Erdem E. Y.
Biomedical Microdevices, cilt.26, sa.3, 2024 (SCI-Expanded)
- II. **Microstructure, mechanical properties, and bone cell interactions of ZTA composites reinforced with BN**
Buyuker G. A., TUFAN Y., Kayan G. O., ERCAN B., Akın Karadayı İ., Göller G.
Ceramics International, cilt.50, sa.10, ss.16956-16964, 2024 (SCI-Expanded)
- III. **An Edible Supercapacitor Based on Zwitterionic Soy Sauce-Based Gel Electrolyte**
DURUKAN M. B., Keskin D., TUFAN Y., Dincer O., ÇİÇEK M. Ö., YILDIZ B., ÇINAR AYGÜN S., ERCAN B., ÜNALAN H. E.
ADVANCED FUNCTIONAL MATERIALS, cilt.34, sa.6, 2024 (SCI-Expanded)
- IV. **Synergistic effect of nanostructured topography and CNF incorporation into silk fibroin films enhances mouse neuroblastoma cell functions**
MİMİROĞLU D., TUFAN Y., YANIK T., ERCAN B.
Surfaces and Interfaces, cilt.45, 2024 (SCI-Expanded)
- V. **Antibacterial properties and osteoblast interactions of microfluidically synthesized chitosan – SPION composite nanoparticles**
Kafali M., Şahinoğlu O. B., Tufan Y., Orsel Z. C., Aygun E., Alyuz B., Saritas E. U., Erdem E. Y., Ercan B.
Journal of Biomedical Materials Research - Part A, cilt.111, sa.11, ss.1662-1677, 2023 (SCI-Expanded)
- VI. **Multifunctional Silk Fibroin/Carbon Nanofiber Scaffolds for In Vitro Cardiomyogenic Differentiation of Induced Pluripotent Stem Cells and Energy Harvesting from Simulated Cardiac Motion**
Tufan Y., Öztatlı H., Doğanay D., Büyüksungur A., Çiçek M. Ö., Döş I. T., Berberoğlu Ç., Ünalın H. E., Garıpcan B., Ercan B.
ACS Applied Materials and Interfaces, cilt.15, sa.36, ss.42271-42283, 2023 (SCI-Expanded)
- VII. **Enhanced bioactivity and low temperature degradation resistance of yttria stabilized zirconia/clay composites for dental applications**
Tufan Y., Park J., Öztürk A., Ercan B.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, cilt.42, sa.15, ss.7300-7310, 2022 (SCI-Expanded)

- VIII. **Development of electrically conductive porous silk fibroin/carbon nanofiber scaffolds**
Tufan Y., Öztatlı H., Garıpcan B., Ercan B.
BIOMEDICAL MATERIALS, cilt.16, sa.2, 2021 (SCI-Expanded)
- IX. **Efficient fabrication of ultrafine-grained 316L stainless steel surfaces for orthopaedic applications**
Tufan Y., Demir E. C., Efe M., Ercan B.
Materials Science and Technology (United Kingdom), cilt.35, ss.1891-1897, 2019 (SCI-Expanded)
- X. **Ti6Al4V foams having nanotubular surfaces for orthopaedic applications**
Izmir M., Tufan Y., Tan G., Ercan B.
SURFACE AND INTERFACE ANALYSIS, cilt.51, sa.9, ss.954-963, 2019 (SCI-Expanded)
- XI. **Interaction of anodized Ti6Al7Nb with simulated body fluid**
Izmir M., Tufan Y., Ercan B.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.34, ss.495-503, 2019 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Yttria Stabilized Zirconia/Clay Composites for Dental Applications**
Tufan Y., Park J., Öztürk A., Ercan B.
the 31st Conference of the European Society for Biomaterials (ESB2021), Porto, Portekiz, 5 - 09 Eylül 2021

Metrikler

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Atf (Scopus): 9

H-İndeks (WoS): 1

H-İndeks (Scopus): 2