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International Researcher IDs

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Publons / Web Of Science ResearcherID: HRC-0002-2023

ScopusID: 57218762851

Education

Post Doctorate, Universidade de Minho, I3Bs - Research Institute on Biomaterials, Biodegradables and Biomimetics , 3B's Research Group, Portugal 2022 - 2023

Doctorate, Bogazici University, Institute of Biomedical Engineering, Biomedical Engineering, Turkey 2014 - 2021

Postgraduate, Bogazici University, Institute of Biomedical Engineering, Biomedical Engineering, Turkey 2012 - 2014

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2006 - 2011

Research Areas

Bioengineering and MEMS

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Hierarchical Design of Tissue-Mimetic Fibrillar Hydrogel Scaffolds.**
Pardo A., Gomez-Florit M., Davidson M. D., Özgen Öztürk-Öncel M. Ö., Domingues R. M. A., Burdick J. A., Gomes M. E.
Advanced healthcare materials, vol.13, 2024 (SCI-Expanded)
- II. **A dive into the bath: embedded 3D bioprinting of freeform in vitro models**
Öztürk-Öncel M. Ö., Leal-Martínez B. H., Monteiro R. F., Gomes M. E., Domingues R. M. A.
Biomaterials Science, vol.11, no.16, pp.5462-5473, 2023 (SCI-Expanded)
- III. **Protein adsorption on amino-acid-conjugated self-assembled molecule-modified SiO₂ surfaces**
Demirbüken S. E., Aktaş B., Öncel M. Ö., Hür D., UZUN L., Garipcan B.
Surface Innovations, vol.10, no.6, pp.422-431, 2022 (SCI-Expanded)
- IV. **Rose petal topography mimicked poly(dimethylsiloxane) substrates for enhanced corneal endothelial cell behavior**
Öztürk-Öncel M. Ö., Erkoc-Biradli F. Z., Rasier R., Marcali M., Caglar E., Garipcan B.
Materials Science and Engineering C, vol.126, 2021 (SCI-Expanded)
- V. **Impact of Poly(dimethylsiloxane) Surface Modification with Conventional and Amino Acid-Conjugated Self-Assembled Monolayers on the Differentiation of Induced Pluripotent Stem Cells into Cardiomyocytes**
Ozturk-Oncel M. Ö., Heras-Bautista C. O., UZUN L., Hur D., Hescheler J., Pfannkuche K., Garipcan B., Garipcan B.
ACS Biomaterials Science and Engineering, vol.7, no.4, pp.1539-1551, 2021 (SCI-Expanded)

- VI. **Bioinspired hydrogel surfaces to augment corneal endothelial cell monolayer formation**
Erkoc-Biradli F. Z., Ozgun A., Öztürk-Öncel M. Ö., Marcali M., Elbuken C., Bulut O., Rasier R., Garipcan B.
Journal of Tissue Engineering and Regenerative Medicine, vol.15, no.3, pp.244-255, 2021 (SCI-Expanded)
- VII. **A facile surface modification of poly(dimethylsiloxane) with amino acid conjugated self-assembled monolayers for enhanced osteoblast cell behavior**
Öztürk-Öncel M. Ö., ODABAŞ S., UZUN L., Hür D., Garipcan B.
Colloids and Surfaces B: Biointerfaces, vol.196, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis and characterization of stimuli-responsive hydrogels: evaluation of external stimuli influence on L929 fibroblast viability**
Karasu T., Erkoc-Biradli F. Z., Öztürk-Öncel M. Ö., ARMUTCU ÇORMAN C., UZUN L., Garipcan B., Çorman M. E.
Biomedical Physics and Engineering Express, vol.8, no.5, 2022 (ESCI)

Metrics

Publication: 8

Citation (Scopus): 41

H-Index (Scopus): 4

Awards

Öztürk Öncel M. Ö., 2021 Prof. Dr. Necmi TANYOLAÇ Award, Boğaziçi Üniversitesi, August 2021