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Education Information

Postgraduate, Ankara University, Mühendislik Fakültesi, Biyomedikal Mühendisliği Bölümü, Turkey 2021 - 2024

Undergraduate, Ankara University, Mühendislik Fakültesi, Biyomedikal Mühendisliği Bölümü, Turkey 2015 - 2020

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, Technical Universal Veritification, 2023

Dissertations

Postgraduate, INVESTIGATION OF MXENES IN COMBINATIONAL PHOTOTHERMAL/PHOTODYNAMIC THERAPY AND IMMUNOTHERAPY, Ankara University, Mühendislik Fakültesi, Biyomedikal Mühendisliği Bölümü, 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring Charge Transfer Mechanisms in Schiff Base-Modified N-Doped GQDs: Insights from DFT and Pump-Probe Spectroscopy for Bioimaging Applications**
Hançe S., Erdener D., Öztürk B. İ., YILDIZ E., KARATAY A., BOYACIOĞLU B., ÜNVER H., YILMAZER AKTUNA A., YILDIZ M., ELMALI A.
ChemistrySelect, vol.9, no.41, 2024 (SCI-Expanded)
- II. **Small Warriors of Nature: Novel Red Emissive Chlorophyllin Carbon Dots Harnessing Fenton-Fueled Ferroptosis for In Vitro and In Vivo Cancer Treatment**
Kirbas Cilingir E., Besbinar O., Giro L., Bartoli M., Hueso J. L., Mintz K. J., Aydogan Y., Garber J. M., Türkteş M., Ekim O., et al.
SMALL, vol.20, 2024 (SCI-Expanded)
- III. **Inducing ferroptosis via nanomaterials: a novel and effective route in cancer therapy**
Ensoy M., Öztürk B. İ., Cansaran-Duman D., Yilmazer A.
JPHYS MATERIALS, vol.05, no.2024, pp.1-44, 2024 (SCI-Expanded)
- IV. **Synergized photothermal therapy and magnetic field induced hyperthermia via bismuthene for lung**

cancer combinatorial treatment

YILMAZER AKTUNA A., Eroglu Z., Gurcan C., Gazzi A., EKİM O., Sundu B., Gokce C., CEYLAN A., Giro L., ÜNAL M. A., et al.

MATERIALS TODAY BIO, vol.23, 2023 (SCI-Expanded)

V. Low Dose of Ti_3C_2 MXene Quantum Dots Mitigate SARS-CoV-2 Infection

YILMAZER AKTUNA A., Alagarsamy K. N., Gokce C., Summak G. Y., Rafieerad A., Bayrakdar F., Ozturk B. İ., Aktuna S., Delogu L. G., ÜNAL M. A., et al.

SMALL METHODS, vol.7, no.8, 2023 (SCI-Expanded)

Metrics

Publication: 5

Citation (WoS): 3

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 2

Scholarships

Rejeneratif ve Restoratif Tıp Araştırmaları ve Uygulamaları, TÜBİTAK, 2021 - 2024