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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Koç Üniversitesi, Fen Bilimleri Enstitüsü, Malzeme Bilimi Ve Mühendisliği Anabilim Dalı (Disiplinlerarası), Türkiye 2015 - 2019

Yüksek Lisans, City University of New York, Fizik, Amerika Birleşik Devletleri 2013 - 2015

Lisans, Gebze Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 2008 - 2012

Araştırma Alanları

Metallurji ve Malzeme Mühendisliği, Yaşam Bilimleri, Matematik, İstatistik, Sağlık Bilimleri, Mühendislik ve Teknoloji

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Aqueous colloidal nanoplatelets for imaging and improved ALA-based photodynamic therapy of prostate cancer cells**
Onbasli K., Demirci G., Isik F., Durmusoglu E. G., Demir H. V., Acar H. Y.
Chemical Communications, cilt.59, sa.70, ss.10512-10515, 2023 (SCI-Expanded)
- II. **Image-Guided Enhanced PDT/PTT Combination Therapy Using Brominated Hemicyanine-Loaded Folate Receptor-Targeting Ag2S Quantum Dots**
Celikbas E., Saymaz A., Gunduz H., Koc I., Cakir E., Sennaroglu A., Kolemen S., Yagci Acar H., Onbaşlı K.
Bioconjugate Chemistry, cilt.34, sa.5, ss.880-892, 2023 (SCI-Expanded)
- III. **Superior Photodynamic Therapy of Colon Cancer Cells by Selenophene-BODIPY-Loaded Superparamagnetic Iron Oxide Nanoparticles**
Ozvural Sertcelik K. N., KARAMAN O., Almammadov T., GÜNBAŞ E. G., Kolemen S., Yagci Acar H., Onbasli K.
ChemPhotoChem, cilt.6, sa.10, 2022 (SCI-Expanded)
- IV. **In-situ synthesis of graphene encapsulated Fe/Fe2O3 nanoparticles for possible biomedical applications**
Mertdinç Ülküseven S., Savaci U., Onbasli K., Balci-Cagiran O., Acar H. Y., Öveçoğlu M. L., Ağaoğulları D.
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, cilt.20, ss.2558-2577, 2022 (SCI-Expanded)
- V. **The improved killing of both androgen-dependent and independent prostate cancer cells by etoposide loaded SPIONs coupled with NIR irradiation**
Onbasli K., Erkisa M., Demirci G., Muti A., Ulukaya E., Sennaroglu A., Yagci Acar H.
Biomaterials Science, cilt.10, sa.14, ss.3951-3962, 2022 (SCI-Expanded)
- VI. **Development of a cysteine responsive chlorinated hemicyanine for image-guided dual phototherapy**

Savani S., Onbasli K., Gunduz H., Aydindogan E., Erkisa M., Muti A., Khan M., Sennaroglu A., Ulukaya E., Yagci Acar H., et al.

Bioorganic Chemistry, cilt.122, 2022 (SCI-Expanded)

VII. **A leucine aminopeptidase activatable photosensitizer for cancer cell selective photodynamic therapy action**

Arslan B., Bilici K., Demirci G., Almammadov T., Khan M., Sennaroglu A., Acar H. Y., Kolemen S.

Dyes and Pigments, cilt.195, 2021 (SCI-Expanded)

VIII. **Recent Advances in Cyanine-Based Phototherapy Agents**

Bilici K., Cetin S., Aydindogan E., Yagci Acar H., Kolemen S.

Frontiers in Chemistry, cilt.9, 2021 (SCI-Expanded)

IX. **Dual laser activatable brominated hemicyanine as a highly efficient and photostable multimodal phototherapy agent**

Gunduz H., Bilici K., Cetin S., Muti A., Sennaroglu A., Yagci Acar H., Kolemen S.

Journal of Photochemistry and Photobiology B: Biology, cilt.217, 2021 (SCI-Expanded)

X. **Broad spectrum antibacterial photodynamic and photothermal therapy achieved with indocyanine green loaded SPIONs under near infrared irradiation**

Bilici K., Atac N., Muti A., Baylam I., Dogan O., Sennaroglu A., Can F., Yagci Acar H.

Biomaterials Science, cilt.8, sa.16, ss.4616-4625, 2020 (SCI-Expanded)

XI. **Ag2S-Glutathione quantum dots for NIR image guided photothermal therapy**

Hashemkhani M., Bilici K., Muti A., Sennaroglu A., Acar H. Y.

New Journal of Chemistry, cilt.44, sa.14, ss.5419-5427, 2020 (SCI-Expanded)

XII. **Indocyanine green loaded APTMS coated SPIONs for dual phototherapy of cancer**

Bilici K., Muti A., Sennaroğlu A., Yagci Acar H.

Journal of Photochemistry and Photobiology B: Biology, cilt.201, 2019 (SCI-Expanded)

XIII. **Investigation of the factors affecting the photothermal therapy potential of small iron oxide nanoparticles over the 730-840 nm spectral region**

Bilici K., Muti A., Demir Duman F., Sennaroğlu A., Yağci Acar H.

Photochemical and Photobiological Sciences, cilt.17, sa.11, ss.1787-1793, 2018 (SCI-Expanded)

XIV. **Mechanical, structural, and dynamical modifications of cholesterol exposed porcine aortic elastin**

Bilici K., Morgan S. W., Silverstein M. C., Wang Y., Sun H. J., Zhang Y., Boutis G. S.

Biophysical Chemistry, cilt.218, ss.47-57, 2016 (SCI-Expanded)

XV. **¹³C, ²H NMR studies of structural and dynamical modifications of glucose-exposed porcine aortic elastin**

Silverstein M. C., Bilici K., Morgan S. W., Wang Y., Zhang Y., Boutis G. S.

Biophysical Journal, cilt.108, sa.7, ss.1758-1772, 2015 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Fe2B magnetic nanoparticles: Synthesis, optimization and cytotoxicity for potential biomedical applications**

Mertdinç Ülküseven S., Khakzad F., Aslan C., Onbaşlı K., Çevik Ç., İşçi S., Balcı-Çağırın Ö., Yagci Acar H., Öveçoğlu M. L., Ağaoğulları D.

Journal of Science: Advanced Materials and Devices, cilt.8, sa.3, 2023 (Scopus)

Desteklenen Projeler

Onbaşlı K., Yükseköğretim Kurumları Destekli Proje, Prostat kanseri tedavisi için hedefli kuantum noktacıkların geliştirilmesi, 2023 - Devam Ediyor

Onbaşlı K., Yükseköğretim Kurumları Destekli Proje, Prostat kanseri tedavisi için hedefli kombine tedavi potansiyeli olan

