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Education Information

Doctorate, Koc University, Institute Of Science, Department Of Materials Science And Engineering (Interdisciplinary), Turkey 2015 - 2019

Postgraduate, City University of New York, Fizik, United States Of America 2013 - 2015

Undergraduate, Gebze Technical University, Institute Of Science, Fizik, Turkey 2008 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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.
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- II. **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.
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- III. **In-situ synthesis of graphene encapsulated Fe/Fe₂O₃ nanoparticles for possible biomedical applications**
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- IV. **The improved killing of both androgen-dependent and independent prostate cancer cells by etoposide loaded SPIONs coupled with NIR irradiation**
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- V. **Development of a cysteine responsive chlorinated hemicyanine for image-guided dual phototherapy**
Savani S., Onbasli K., Gunduz H., Aydinoglu E., Erkisa M., Muti A., Khan M., Sennaroglu A., Ulukaya E., Yagci Acar H., et al.
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- VI. **A leucine aminopeptidase activatable photosensitizer for cancer cell selective photodynamic therapy action**
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- VII. **Recent Advances in Cyanine-Based Phototherapy Agents**
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- VIII. **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.

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- IX. **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, vol.8, no.16, pp.4616-4625, 2020 (SCI-Expanded)
- X. **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, vol.44, no.14, pp.5419-5427, 2020 (SCI-Expanded)
- XI. **Indocyanine green loaded APTMS coated SPIONs for dual phototherapy of cancer**
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- XII. **Investigation of the factors affecting the photothermal therapy potential of small iron oxide nanoparticles over the 730-840 nm spectral region**
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- XIII. **Mechanical, structural, and dynamical modifications of cholesterol exposed porcine aortic elastin**
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- XIV. **¹³C, ²H NMR studies of structural and dynamical modifications of glucose-exposed porcine aortic elastin**
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