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Araştırma Alanları

Temel Bilimler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Green synthesis of nanomaterials for smart biopolymer packaging: challenges and outlooks**
Jafarzadeh S., Nooshkam M., Zargar M., Garavand F., Ghosh S., Hadidi M., Forough M.
JOURNAL OF NANOSTRUCTURE IN CHEMISTRY, cilt.14, sa.2, ss.113-136, 2024 (SCI-Expanded)

II. **Fluorometric and colorimetric platforms for rapid and sensitive hydroxychloroquine detection in aqueous samples**
Doğan K., Ünal Taş D., Persil Çetinkol Ö., Forough M.
Talanta, cilt.270, 2024 (SCI-Expanded)

III. **Advanced technologies in biodegradable packaging using intelligent sensing to fight food waste**
Jafarzadeh S., Yildiz Z., Yildiz P., Strachowski P., Forough M., Esmaeili Y., Naebe M., Abdollahi M.
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IV. **Improving the functionality of biodegradable food packaging materials via porous nanomaterials**
Jafarzadeh S., Forough M., Kouzegaran V. J., Zargar M., Garavand F., Azizi-Lalabadi M., Abdollahi M., Jafari S. M.
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V. **Electrochemical detection of Oxaliplatin induced DNA damage in G-quadruplex structures**
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VI. **Plant protein-based nanocomposite films: A review on the used nanomaterials, characteristics, and food packaging applications.**
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VII. **Application of bacterial nanocellulose decorated with zeolitic imidazolate framework (ZIF-L) as a platform for food freshness monitoring**
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VIII. **Coumarin 6H-fused fluorescent probe for highly sensitive detection of coralyne using oligonucleotide-modified silver nanoparticles.**
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IX. **Renewable and Recyclable Polymeric Materials for Food Packaging: A New Open Special Issue in Materials.**
Jafarzadeh S., Zargar M., Forough M.
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X. **Plant protein-based food packaging films; recent advances in fabrication, characterization, and applications**
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XI. **The control of fungi and mycotoxins by food active packaging: a review**
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XII. **The role of genetic manipulation and in situ modifications on production of bacterial nanocellulose: A review**
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XIV. **Construction of amperometric biosensor modified with conducting polymer/carbon dots for the analysis of catechol**
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XV. **Novel fluorescent azacyanine compounds: Improved synthesis and optical properties**
Doğan K., Gülkaya A., Forough M., Persil Ç.
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XVI. **A conjugated gold nanoparticle-azacyanine off-on-off fluorescence probe for sensitive and selective detection of G-quadruplexes**
Bilgen E., Forough M., PERSİL ÇETİNKOL Ö.
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XVII. **Silver nanoparticles-tragacanth gel as a green membrane for effective extraction and determination of capecitabine**
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XVIII. **Development of an easy-to-use colorimetric pH label with starch and carrot anthocyanins for milk shelf life assessment**
Goodarzi M. M., Moradi M., Tajik H., Forough M., Ezati P., Kuswandi B.
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Molaei R., Tajik H., Moradi M., Forough M.
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XX. **Azacyanines as novel topoisomerase II alpha inhibitors**
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XXI. **A DNA-free colorimetric probe based on citrate-capped silver nanoparticles for sensitive and rapid detection of coralyne**
Usta H. M., Forough M., Cetinkol Ö.
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Moradi M., Tajik H., Almasi H., Forough M., Ezati P.
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XXIII. **Cellulose/chitosan pH-responsive indicator incorporated with carrot anthocyanins for intelligent food packaging**
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XXIV. **In-situ synthesis of silver nanoparticles on porous silicon nanostructure through galvanic displacement reaction and its application in construction of glucose screen printed sensor**
Allahnouri F., Farhadi K., Eskandari H., Molaei R., Abarghoui M. M., Forough M.
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XXV. **Nanostructured chitosan/monolaurin film: Preparation, characterization and antimicrobial activity against Listeria monocytogenes on ultrafiltered white cheese**
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XXVII. **Rapid ionic liquid-supported nano-hybrid composite reinforced hollow-fiber electromembrane extraction followed by field-amplified sample injection-capillary electrophoresis: An effective approach for extraction and quantification of Imatinib mesylate in human plasma**
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XXVIII. **Physical, antimicrobial and antibiofilm properties of Zataria multiflora Boiss essential oil nanoemulsion**
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XXXI. **Development of novel Ag/bauxite nanocomposite as a heterogeneous catalyst for biodiesel production**
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XXXII. **Determination of phenolic compounds content and antioxidant activity in skin, pulp, seed, cane and leaf of five native grape cultivars in West Azerbaijan province, Iran**
Farhadi K., Esmaeilzadeh F., Hatami M., Forough M., Molaie R.
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XXXIII. **Application of CaO-based/Au nanoparticles as heterogeneous nanocatalysts in biodiesel production**
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XXXIV. **The AgcorePdshell bimetallic nanoparticles: simple biological synthesis and characterization**
Farhadi K., Sabzi R. E., Forough M., Pourhossein A., Molaei R., Ebrahimi R.

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XXXV. **Biosynthetic Route for the Preparation of Nonregular Gold Nanoparticles Using Aqueous Extracted of Nettle (Urtica dioica L.) Plant**
Molaei R., Farhadi K., Forough M., Pourhossein A.
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XXXVI. **Highly sensitive and selective colorimetric probe for determination of L-cysteine in aqueous media based on Ag/Pd bimetallic nanoparticles**
Farhadi K., Forough M., Pourhossein A., Molaei R.
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XXXVII. **Amperometric biosensor for cholesterol based on novel nanocomposite array gold nanoparticles/acetone-extracted propolis/multiwall carbon nanotubes/gold**
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XLI. **Highly selective Hg2+ colorimetric sensor using green synthesized and unmodified silver nanoparticles**
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Kitap & Kitap Bölümleri

I. **Disposable paper-based sensors**
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III. **Hydrogels: Properties, Preparation, Characterization and Biomedical, Applications in Tissue Engineering, Drug, Delivery and Wound Care**
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Metrikler

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