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Kişisel Bilgiler

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Birimi : Analitik Kimya

Dahili : -

Makaleler (YOKSIS)

- 1 A green approach for formation of silver nanoparticles on magnetic graphene oxide and highly effective antimicrobial activity and reusability**
ÖÇSOY İSMAİL, Temiz Maide, ÇELİK ÇAĞLA, altınsoy berrak, YILMAZ VEDAT, DUMAN FATİH
Journal of Molecular Liquids, <http://dx.doi.org/10.1016/j.molliq.2016.12.015>
- 2 Biomolecules incorporated metallic nanoparticles synthesis and their biomedical applications**
ÖÇSOY İSMAİL, TAŞDEMİR DİDAR, MAZICIOĞLU SÜMEYYE, ÇELİK ÇAĞLA, KATI AHMET, ÜLGEN FUNDA
Materials Letters, <http://dx.doi.org/10.1016/j.matlet.2017.10.068>
- 3 Building block and rapid synthesis of catecholamines-inorganic nanoflowers with their peroxidase-mimicking and antimicrobial activities**
ÇELİK ÇAĞLA, İLDİZ NİLAY, ÖÇSOY İSMAİL
Scientific Reports, <http://dx.doi.org/10.1038/s41598-020-59699-5>
- 4 Can concomitant use of zinc and curcumin with other immunity boosting nutraceuticals be the arsenal against COVID-19?**
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Phytotherapy Research, <http://dx.doi.org/10.1002/ptr.6766>
- 5 Can food and food supplements be deployed in the fight against the COVID 19 pandemic?**
ÇELİK ÇAĞLA, GENÇAY GÖKSU AYŞE, ÖÇSOY İSMAİL
Biochimica et Biophysica Acta (BBA) - General Subjects, <http://dx.doi.org/10.1016/j.bbagen.2020.129801>
- 6 Dentin bond strength and antimicrobial activities of universal adhesives containing silver nanoparticles synthesized with Rosa canina extract**
EKRİKAYA SEMİHA, YILMAZ EBUBEKİR, ARSLAN SOLEY, Karaarslan Rabia, İLDİZ NİLAY, ÇELİK ÇAĞLA, ÖÇSOY İSMAİL
Springer Science and Business Media LLC, <http://dx.doi.org/10.1007/s00784-023-05306-6>

- 7 **Development of a Colorimetric Urease Test Based on Au NPS Capped with Anthocyanin for the Rapid Detection of Helicobacter pylori through Multiple Readouts**
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Wiley, <http://dx.doi.org/10.1002/slct.202300637>
- 8 **Development of Vincristine-Loaded Nano Graphene Oxides for Dual Therapies Against Canine Anaplastic Carcinoma Cells Obtained From a Dog with Spontaneous Mammary Tumor**
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ChemistrySelect, <https://doi.org/10.1002/slct.202404728>
- 10 **Dopamine and norepinephrine assistant-synthesized nanoflowers immobilized membrane with peroxidase mimic activity for efficient detection of model substrates**
DADI ŞEYMA, ÇELİK ÇAĞLA, MANDAL AMIT K, ÖÇSOY İSMAİL
Applied Nanoscience, <http://dx.doi.org/10.1007/s13204-020-01577-7>
- Dopamine and norepinephrine assistant-synthesized nanoflowers immobilized membrane with peroxidase mimic activity for efficient detection of model substrates**
DADI ŞEYMA, ÇELİK ÇAĞLA, MANDAL AMIT K, ÖÇSOY İSMAİL
Applied Nanoscience, <http://dx.doi.org/10.1007/s13204-020-01577-7>
- 11 **Effects of transcranial direct current stimulation on motor and cognitive dysfunctions in experimental traumatic brain injury model**
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Turkish Neurosurgery, <https://doi.org/10.5137/1019-5149.jtn.45526-23.4>
- 12 **Formation of functional nanobiocatalysts with a novel and encouraging immobilization approach and their versatile bioanalytical applications**
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RSC Advances, <http://dx.doi.org/10.1039/c8ra03250e>
- 13 **Gallic acid nanoflower immobilized membrane with peroxidase-like activity for m-cresol detection**
DADI ŞEYMA, ÇELİK ÇAĞLA, ÖÇSOY İSMAİL
Scientific Reports, <http://dx.doi.org/10.1038/s41598-020-73778-7>
- 14 **Investigation of ellagic acid rich-berry extracts directed silver nanoparticles synthesis and their antimicrobial properties with potential mechanisms towards Enterococcus faecalis and Candida albicans**
EKRİKAYA SEMİHA, YILMAZ EBUBEKİR, ÇELİK ÇAĞLA, DEMİRBUĞA SEZER, İLDİZ NİLAY, DEMİRBAŞ AYŞE, ÖÇSOY İSMAİL
Journal of Biotechnology, <http://dx.doi.org/10.1016/j.jbiotec.2021.09.020>
- 15 **Novel Anthocyanin-Based Colorimetric Assay for the Rapid, Sensitive, and Quantitative Detection of Helicobacter pylori**
ÇELİK ÇAĞLA, CAN SEZGİN GÜLTEN, kocabaş umut görkem, GÜRSOY ŞEBNEM, İLDİZ NİLAY, tan Weihong, ÖÇSOY İSMAİL
Analytical Chemistry, <http://dx.doi.org/10.1021/acs.analchem.1c00663>
- 16 **Preparation of natural indicator incorporated media and its logical use as a colorimetric biosensor for rapid and sensitive detection of Methicillin-resistant Staphylococcus aureus**

- 16 ÇELİK ÇAĞLA, İLDİZ NİLAY, KAYA MELİH ZEKİ, BALDEMİR KILIÇ AYŞE, ÖÇSOY İSMAİL
Analytica Chimica Acta, <http://dx.doi.org/10.1016/j.aca.2020.06.005>
- 17 **Preparation of nature inspired indicator based agar for detection and identification of MRSA and MRSE**
ÇELİK ÇAĞLA, İLDİZ NİLAY, SAĞIROĞLU PINAR, ATALAY MUSTAFA ALTAY, YAZICI CEVAT, ÖÇSOY İSMAİL
Talanta, <http://dx.doi.org/10.1016/j.talanta.2020.121292>
- 18 **Rational preparation of powder anthocyanin incorporated-urease test for detection of K. pneumoniae and P.mirabilis**
CAN SEZGİN GÜLTEN, ÇELİK ÇAĞLA, İLDİZ NİLAY
Sağlık Bilimleri Dergisi, <http://dx.doi.org/10.34108/eujhs.925890>
- 19 **Recent Advances in Colorimetric Tests for the Detection of Infectious Diseases and Antimicrobial Resistance**
ÇELİK ÇAĞLA, KALIN ÜNÜVAR GAMZE, ÇETİNKAYA ZEKERİYA, İLDİZ NİLAY, ÖÇSOY İSMAİL
Diagnostics, <http://dx.doi.org/10.3390/diagnostics13142427>
- 20 **Red cabbage extract-mediated colorimetric sensor for swift, sensitive and economic detection of urease-positive bacteria by naked eye and Smartphone platform**
ÇELİK ÇAĞLA, Demir Naim Yağız, DUMAN MEMED, İLDİZ NİLAY, ÖÇSOY İSMAİL
Scientific Report, <http://dx.doi.org/10.1038/s41598-023-28604-1>
- 21 **Synthesis of Long-Term Stable Gold Nanoparticles Benefiting from Red Raspberry (Rubus idaeus), Strawberry (Fragaria ananassa), and Blackberry (Rubus fruticosus) Extracts**
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ACS Omega, <http://dx.doi.org/10.1021/acsomega.9b02469>
- 22 **Synthesis of taurine-Cu 3(PO 4) 2 hybrid nanoflower and their peroxidase-mimic and antimicrobial properties**
YILMAZ SEVİM GÖKÇE, DEMİRBAŞ AYŞE, KARAAĞAÇ ZEHRA, DADI ŞEYMA, ÇELİK ÇAĞLA, yusufbeyoğlu sami, İLDİZ NİLAY, MANDAL AMIT K, ÇİMEN BEHZAT, ÖÇSOY İSMAİL
Journal of Biotechnology, <https://pubmed.ncbi.nlm.nih.gov/34861292/>

Bildiriler (YOKSIS)

- 1 **Çilek Ekstresinden Tek Basamakta Sentezlenen Gümüş Nanopartiküllerin Antimikrobiyal Özelliklerinin Endodontik Patojenler Üzerine Etkisi**
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Erciyes Üniversitesi Diş Hekimliği Fakültesi Uluslararası Kongresi , file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a8%20nolu%20bildiri%20belgesi.pdf
- 2 **Çok Fonksiyonlu Nanomalzemelerin Geliştirilmesi ve Nanotıpta Potansiyel Kullanımları: Nano-biyosensörler**
ÇELİK ÇAĞLA
47. Ulusal Fizyolojik Bilimler Kongresi , file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/f1%20nolu%20davetli%20konu%C5%9Fma%20belgesi.pdf
- 3 **DNA Aptamer Conjugated Gold Nanostructures For Molecular Recognition and Photothermally Destruction of Methicillin-Resistant Staphylococcus aureus**

- 3 **ÖÇSOY İSMAİL, YUSUFBEYOĞLU SADİ, ÇELİK ÇAĞLA, İLDİZ NİLAY, YILMAZ VEDAT, MCLAMORE ERIC. S.**
28th International Conference on Photochemistry (ICP 2017) , file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a3%20nolu%20bildiri%20belgesi.pdf
- 4 **DNA Aptamer Functionalized Gold Nanostructures For Molecular Recognition and Photothermally Destruction of Methicillin-Resistant Staphylococcus aureus**
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1st International Mediterranean Science and Engineering Congress (IMSEC 2016) ,
file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a1%20nolu%20bildiri%20belgesi.pdf
- 5 **Early Diabetes Estimation with Machine Learning**
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4.International 33.National Biophysics Congress , file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a6%20nolu%20bildiri%20belgesi.pdf
- 6 **Green synthesis of silver nanoparticles using hydrothermal approach and their enhanced antimicrobial activity towards bacterial and fungal pathogens**
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1st International Mediterranean Science and Engineering Congress (IMSEC 2016) ,
file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a2%20nolu%20bildiri%20belgesi.pdf
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karakoç esra, ÇELİK ÇAĞLA, AKÇAY GÜVEN
4.International 33.National Biophysics Congress , file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a5%20nolu%20bildiri%20belgesi.pdf
- 8 **Rational Formation of Peptides Hybrid Nanoflower with its Enzyme-Mimic and Antimicrobial Activities**
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International Eurasian Conference on Biological and Chemical Sciences (Eurasian Bio Chem 2018) ,
file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a7%20nolu%20bildiri%20belgesi.pdf
- 9 **Red Cabbage (Brassicaoleracea) Extract Directed Organic-Inorganic Nanoflower and Investigation Their Enzyme Mimic and Antioxidant Activities**
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2nd International Mediterranean Science and Engineering Congress (IMSEC 2017) ,
file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/a4%20nolu%20bildiri%20belgesi.pdf
- 10 **Synthesis of Catecholamine-Metal Ions Coordinated Hybird Nanoflowers and Their Catalytic, Antioxidant and Antimicrobial Properties**
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3rd International Congress On Biosensors , file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/b1%20nolu%20bildiri%20belgesi.pdf
- 11 **Synthesis of organic-inorganic hybrid nanostructures from amphipathic amino acids and their antimicrobial properties**
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22nd International Biomedical Science & Technology Symposium ,
file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/b2%20nolu%20bildiri%20belgesi.pdf
- 12 **The Effect of Metal Ions on the Formation of BSA Based Hybrid Nanostructures and on Their Enzyme Mimic and Antimicrobial Activities**

- 12** Arslan Öçsoy Müşerref, TAŞDEMİR DİDAR, MAZICIOĞLU SÜMEYYE, ÇELİK ÇAĞLA, İLDİZ NİLAY, YILMAZ VEDAT, ÖÇSOY İSMAİL
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017) ,
file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/b3%20nolu%20bildiri%20belgesi.pdf
- 13** **Using of nanomaterials in bioanalytical applications and development of mobile app-supported colorimetric diagnostic tests**
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4.International 33.National Biophysics Congress , file:///C:/Users/caglc/Desktop/Harran%20Ba%C5%9Fvuru/Bildiriler/b4%20nolu%20bildiri%20belgesi.pdf