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ÜYESİ**

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?**
ROY ANUPAM, SARKAR BISWATRISH, ÇELİK ÇAĞLA, GHOSH ANIMESH, BASU UTPAL, JANA MALABENDU, JANA ARUNDHATI, GENÇAY GÖKSU AYŞE, CAN SEZGİN GÜLTEN, İLDİZ NİLAY, DAM PAULAMI, MANDAL AMIT K, ÖÇSOY İSMAİL
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**
CAN SEZGİN GÜLTEN, TEKİN Yakup Emre, ÇALIM Beyza, ÇELİK ÇAĞLA, ALRIFAI Wardishan, TEMUR Nimet, İLDİZ NİLAY, ÖÇSOY İSMAİL
Wiley,<http://dx.doi.org/10.1002/slct.202300637>
- 8 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>
- 9 Formation of functional nanobiocatalysts with a novel and encouraging immobilization approach and their versatile bioanalytical applications**
ÇELİK ÇAĞLA, TAŞDEMİR DİDAR, DEMİRBAŞ AYŞE, KATI AHMET, GÜL OSMAN TOLGA, ÇİMEN BEHZAT, ÖÇSOY İSMAİL
RSC Advances,<http://dx.doi.org/10.1039/c8ra03250e>
- 10 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>
- 11 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>
- 12 Novel Anthocyanin-Based Colorimetric Assay for the Rapid, Sensitive, and Quantitative Detection of Helicobacter pylori**
ÇELİK ÇAĞLA, CAN SEZGİN GÜLTEN, kocabaş umut görkem, GÜRİSOY ŞEBNEM, İLDİZ NİLAY, tan Weihong, ÖÇSOY İSMAİL
Analytical Chemistry,<http://dx.doi.org/10.1021/acs.analchem.1c00663>
- 13 Preparation of natural indicator incorporated media and its logical use as a colorimetric biosensor for rapid and sensitive detection of Methicillin-resistant Staphylococcus aureus**
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>
- 14 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>
- 15 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>
- 16 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

- 16 Diagnostics,<http://dx.doi.org/10.3390/diagnostics13142427>
- 17 **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>
- 18 **Synthesis of Long-Term Stable Gold Nanoparticles Benefiting from Red Raspberry (*Rubus idaeus*), Strawberry (*Fragaria ananassa*), and Blackberry (*Rubus fruticosus*) Extracts** Gold Ion Complexation and Investigation of Reaction Conditions
DEMİRBAŞ AYŞE, BÜYÜKBEZİRCİ KASIM, ÇELİK ÇAĞLA, KIŞLAKCI EMİNE, KARAAĞAÇ ZEHRA, GÖKTÜRK ERSEN, KATI AHMET, ÇİMEN BEHZAT, YILMAZ VEDAT, ÖÇSOY İSMAİL
ACS Omega,<http://dx.doi.org/10.1021/acsomega.9b02469>
- 19 **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**
YILMAZ EBUBEKİR, DEMİRBAŞ AYŞE, ÇELİK ÇAĞLA, İLDİZ NİLAY, DEMİRBUĞA SEZER, ÖÇSOY İSMAİL
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**
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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**
TEMUR Nimet, Ergül Yusuf Müslüm, ÇELİK ÇAĞLA, ÖÇSOY İSMAİL, AKÇAY GÜVEN
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
- 7 Investigation of Neuroprotective and Therapeutic Effects of Transcranial Direct Current Stimulation in Experimental Traumatic Brain Injury Model**
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 Hybrid Nanoflowers and Their Catalytic, Antioxidant and Antimicrobial Properties**
ÇELİK ÇAĞLA, ÖÇSOY İSMAİL
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**
ÇELİK ÇAĞLA, TAŞDEMİR DİDAR, ÖÇSOY İSMAİL
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**
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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

