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Publons / Web Of Science ResearcherID: ABU-5652-2022

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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji Ve Nanotıp A.B.D., Türkiye 2013 - 2019

Yüksek Lisans, University of Massachusetts at Dartmouth, Faculty of Art and Science, Chemistry and Biochemistry, Amerika Birleşik Devletleri 2008 - 2011

Lisans, Atatürk Üniversitesi, Fen Fakültesi, Türkiye 2000 - 2004

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

Yabancı Dil, Boston University English Course, Boston University, 2007

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Activity of nanosized copper-boron alloys against *Phytophthora* species**
Yigit U., Turkkan M., İLHAN H., Simsek T., Guler O., Dervis S.
JOURNAL OF PLANT PATHOLOGY, cilt.106, sa.1, ss.175-190, 2024 (SCI-Expanded)
- II. **The comparative of chitosan and chitosan nanoparticle versus ethylenediaminetetraacetic acid on the smear layer removal: A systematic review and meta-analysis of in vitro study**
İLHAN H., Cakici E. B., Cakici F.
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- III. **Principles, Methods, and Real-Time Applications of Bacteriophage-Based Pathogen Detection**
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- IV. **Exploring the Potential of Thymoquinone-Stabilized Selenium Nanoparticles: In HEC1B Endometrial Cancer Cells Revealing Enhanced Anticancer Efficacy**
Gulbay G., Secme M., İLHAN H.
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- V. **To what extent are orally ingested nanoplastics toxic to the hippocampus in young adult rats?**
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- VI. **Nanoarchitectonics of the Effects of Curcumin Carbon Dot-Decorated Chitosan Nanoparticles on Proliferation and Apoptosis-Related Gene Expressions in HepG2 Hepatocellular Carcinoma Cells**
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- VII. **Fluorescent and Biocompatible Nitrogen and Sulfur Co-Doped Carbon Nanodot as an Ocular Fundus Angiography Imaging Agent**
İLHAN H., Erdem B., Ozkasapoglu S., Yayla M., Bas O., ÇELİKKAN H.
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- VIII. **Nanofiber mats containing lavender oil and methyl jasmonate as an innovative treatment to extend vase life in cut rose flowers**
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POSTHARVEST BIOLOGY AND TECHNOLOGY, cilt.201, 2023 (SCI-Expanded)
- IX. **Adsorption of Textile Dyes on Willow Tree Pollen: Determination of Equilibrium, Kinetics, and Thermodynamic**
Alkan S., Karakoc E., İLHAN H., Caliskan M., Savran A., Kubilay Ş.
IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, cilt.41, sa.5, ss.1588-1601, 2022 (SCI-Expanded)
- X. **High-Performance *E. coli* Antibody-Conjugated Gold Nanorods for the Selective Electrochemical Detection of Pathogens in Drinking Water**
Panhwar S., İLHAN H., Aftab A., Muqet M., Keerio H. A., Solangi G. S., Suludere Z., TAMER U.
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- XI. **Replacement of antibodies with bacteriophages in lateral flow assay of Salmonella Enteritidis**
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- XII. **Hot-Spot Engineering Through Soft Actuators for Surface-Enhanced Raman Spectroscopy (SERS) Applications**
LİMAN G., Yıldız E., İLHAN H., ÇETİN A., DEMİREL G.
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- XIII. **A Novel Approach for Real-Time Enumeration of *Escherichia coli* ATCC 47076 in Water through High Multi-Functional Engineered Nano-Dispersible Electrode**
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- XIV. **Thermodynamic and Kinetic Parameters of Thermostable Alkaline Phosphatase from *Geobacillus pallidus* P26**
ÇELİK S., İLHAN H.
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, cilt.47, sa.1, ss.236-243, 2021 (SCI-Expanded)
- XV. **Fabrication of self-functionalized polymeric surfaces and their application in electrochemical acetaminophen detection**
KURALAY F., Çağlayan T., İLHAN H., Dumangoz M., Celebi M. S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.137, sa.48, 2020 (SCI-Expanded)
- XVI. **Dual Responsive Disposable Electrode for the Enumeration of *Escherichia coli* in Whole Blood**
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ELECTROANALYSIS, cilt.32, sa.10, ss.2244-2252, 2020 (SCI-Expanded)
- XVII. **A disposable gold-cellulose nanofibril platform for SERS mapping**
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- XVIII. **Surface enhanced Raman spectroscopy as a novel tool for rapid quantification of heroin and metabolites in saliva**
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- XIX. **The coupling of immunomagnetic enrichment of bacteria with paper-based platform**
İLHAN H., Guven B., Dogan U., TORUL H., Evran S., ÇETİN D., Suludere Z., SAĞLAM N., BOYACI İ. H., TAMER U.
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- XX. **Comparative DNA isolation behaviours of silica and polymer based sorbents in batch fashion: monodisperse silica microspheres with bimodal pore size distribution as a new sorbent for DNA isolation**
GÜNAL KARATAŞ G., KİP F. Ç., Oğut S. E., İLHAN H., Kibar G., Tuncel A.
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- XXI. **Determination of TiO_2 and $AgTiO_2$ Nanoparticles in *Artemia salina*: Toxicity, Morphological Changes, Uptake and Depuration**
Ozkan Y., ALTINOK İ., İLHAN H., Sokmen M.
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Assessment of Some Nutrient Contents and Heavy Metal Accumulation in Some Wild Edible Mushrooms in Türkiye**
UZUN Y., ALKAN S., İRENDE İ., İLHAN H., ÇAVUŞOĞLU Ş., ASLAN A.
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- II. **Green Synthesis of Biocompatible Hybrid Ginger/Chitosan Carbon Nanodot Exhibiting Antiproliferative Activity on Carcinoma Cells**
İLHAN H.
İgdir University, cilt.13, 2023 (Hakemli Dergi)
- III. **Antifungal activity and optimization procedure of silver nanoparticles green synthesized with *Prunus laurocerasus* L. (cherry laurel) leaf extract**
YİĞİT U., Gürel Y., İLHAN H., TÜRKKAN M.
International Journal of Life Sciences and Biotechnology, cilt.6, ss.1-20, 2023 (Hakemli Dergi)
- IV. **Determination of the acute toxic effect of ZnO - TiO_2 nanoparticles in brine shrimp (*Artemia salina*)**
DAĞLIOĞLU Y., ALTINOK İ., İLHAN H., SÖKMEN M.
Acta Biologica Turcica, cilt.1, sa.29, ss.6-13, 2016 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **EDTA@CARBON NANODOT COATED SILVER NANOPARTICLES EVALUATION OF ANTIBACTERIAL EFFECT AGAINST A. ACTINOMYCETEMCOMMITANS, P. INTERMEDIA PERIODONTOPATOGENS AND S. MUTANS, S. SALIVARIUS: AN IN VITRO STUDY**
HACISALİHOĞLU B., İLHAN H., KARAMAN Ü., ÇANAKÇI V.
7th INTERNATIONAL CONFERENCE ON MEDICAL & HEALTH SCIENCES, 6 Temmuz - 08 Ekim 2023
- II. **Synthesis of Nanoplastics and in vitro the Toxicological Effects and Bioaccumulation**
İLHAN H.
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), 14 - 16 Aralık 2022
- III. **The Detection Of Dopamine With High Sensitivity And Selectivity Using Amine- Coated Carbon Dots**
İLHAN H.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), 23 - 25

Kasım 2022

- IV. **Fluorescence Based Immunoassays Using Quantum Dot Labelled Antibody for Detection of E. coli**
İLHAN H., TAMER U.
4. EBAT 2022, 3 - 06 Kasım 2022
- V. **The Detection of Pathogens in a Microfluidic Chip System Using Surface Enhanced Raman Scattering (SERS)**
İLHAN H., TAMER U.
9th International Conference on Materials Science and Nanotechnology for Next Generation, 22 - 24 Eylül 2022
- VI. **SERS Mapping on Surface of Nanofibril and Lateral Flow Assay for Detection of Bacteria**
İLHAN H., TANIŞ S. N., SAĞLAM N., BOYACI İ. H., TAMER U.
Nano TR 16, 5 - 08 Eylül 2022
- VII. **Measurement Of Heroin And Its Metabolites In Saliva Using Surface Enhanced Raman Spectroscopy**
AKÇAN R., YILDIRIM M. Ş., İLHAN H., TAMER U., SAĞLAM N.
9th Rostocker International Conference: "Thermophysical Properties For Technical Thermodynamics" (Thermam), 15 - 16 Ekim 2020
- VIII. **Bacteriophage Based Lateral Flow Immunoassay System For Detection Of Salmonelle Enteritidis**
İLHAN H., ÇAĞLAYAN M. G., Tayyarcı E. K., BOYACI İ. H., TAMER U., SAĞLAM N.
International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications; Exhibition (ICMATSE 2020, 2 - 04 Ekim 2020)
- IX. **Use of Surface Enhanced Raman Spectroscopy as a Tool for Detection of 6-Mono Acetyl Morphine (6-MAM)**
AKÇAN R., YILDIRIM M. Ş., İLHAN H., DEMİREL G., TAMER U., SAĞLAM N.
8 th Rostocker Int. Conf.: Thermophysical Properties for Technical Thermodynamics, 22 - 24 Eylül 2019
- X. **Metal Organic Framework functionalized nanoparticles for Electrochemical enumeration of bacteria**
Sallahuddin P., TAMER U., İLHAN H., Hassan S. S., ZENGİN A., BOYACI İ. H.
XX Euroanalysis, Türkiye, 1 - 05 Eylül 2019
- XI. **EVALUATION OF RAMAN ACTIVE QUALITIES OF DIFFERENT SUBSTRATES IN SERS ANALYSIS OF MORPHINE**
AKÇAN R., YILDIRIM M. Ş., İLHAN H., TAMER U., SAĞLAM N.
7th Rostocker International Conference: "Thermophysical Properties for Technical Thermodynamics, 26 - 27 Temmuz 2018
- XII. **Measurements of 6-monoacetylmorphine in body fluids using surface enhanced raman spectrsocopy**
AKÇAN R., YILDIRIM M. Ş., İLHAN H., DEMİREL G., TAMER U., SAĞLAM N.
20th euroanalysis, 1 Mayıs - 05 Eylül 2019
- XIII. **SERS based LFIA for Detection of Pathogen Bacteria in Nanotechnology**
İLHAN H., TAMER U., SAĞLAM N.
8th Rostocker International Conference: Thermophysical Properties for Technical Thermodynamics (THERMAM), 22 - 24 Eylül 2019
- XIV. **A Novel Application of Surface Enhanced Raman Spectroscopy: Measurements of Heroin in Body Fluids**
AKÇAN R., YILDIRIM M. Ş., İLHAN H., TAMER U., SAĞLAM N.
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- XV. **LFIA enumeration of E.coli using FE3O4/AU-PEI nanoparticles in blood.**
İLHAN H., DOĞAN Ü., SULUDERE Z., BOYACI İ. H., ÇETİN D., SAĞLAM N., TAMER U.
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- XVI. **SERS Based E.coli enumeration in urine with using casein bound magnetic nanoparticles.**
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8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) İstanbul Turkey, 9 - 11 Mayıs 2018
- XVII. **The sythesis and characterization of PEI modified Fe3O4 Au nanoparticles for rapid enumeration of E coli**

İLHAN H., DOĞAN Ü., ÇİFTÇİ H., TAMER U., Sağlam N.
3.International Congress on Biosensor, 5 - 07 Ekim 2016

Metrikler

Yayın: 42

Atıf (WoS): 182

Atıf (Scopus): 204

H-İndeks (WoS): 8

H-İndeks (Scopus): 8