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Publons / Web Of Science ResearcherID: AAG-5743-2021

ScopusID: 55391563600

Yoksis Araştırmacı ID: 121907

Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Türkiye 2011 - 2016

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Türkiye 2008 - 2010

Lisans, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 2003 - 2008

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Çeşitli ilaçların tirozinaz inhibisyonundaki rollerini incelemek amaçlı elektrokimyasal nanobiyosensor ve mikroçip tasarımı, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), 2016

Yüksek Lisans, Amperometric microbial and enzymatic biosensors based on conducting polymers, Orta Doğu Teknik Üniversitesi, Genel Biyoloji Anabilim Dalı, Kimya (Yl) (Tezli), 2010

Araştırma Alanları

Eczacılık, Temel Eczacılık Bilimleri, Analitik Kimya, Biyosensör, Kimya, Analitik Kimya, Elektroanalitik Yöntemler

Akademik Unvanlar / Görevler

Doç. Dr., Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2021 - Devam Ediyor

Araştırma Görevlisi, Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2011 - 2021

Akademik İdari Deneyim

Verdiği Dersler

Analytical Chemistry, Lisans, 2022 - 2023
Electroanalytical Chemistry, Yüksek Lisans, 2022 - 2023
Separation Techniques, Yüksek Lisans, 2022 - 2023
Analitik Validasyon , Lisans, 2022 - 2023
Laboratuvar Güvenliği, Lisans, 2018 - 2019, 2017 - 2018
Laboratory Safety, Lisans, 2018 - 2019, 2017 - 2018, 2016 - 2017
Adli Kimya (Teorik), Yüksek Lisans, 2017 - 2018, 2016 - 2017
Analitik Hesaplamalar, Ön Lisans, 2017 - 2018
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Rapid determination of uracil in biological fluids at mercury thin film electrode for early detection of potential 5-fluorouracil toxicity due to dihydropyrimidine dehydrogenase deficiency**
Ashrafi A. M., Selcuk O., Mukherjee A., Unal D. N., KURBANOĞLU S., USLU B., Jurica J., Pekarkova J., Richtera L., Adam V.
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- II. **Nanostructured Metal Oxide-Based Electrochemical Biosensors in Medical Diagnosis**
Keles G., Sifa Ataman E., Taskin S. B., Polatoglu İ., KURBANOĞLU S.
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- III. **Electrochemical Investigations and Molecular Docking Analysis to Evaluate the Molnupiravir-Calf Thymus dsDNA Interaction**
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- IV. **A Strep-Tag Imprinted Polymer Platform for Heterogenous Bio(electro)catalysis**
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- V. **Enhancing electrochemical sensing through the use of functionalized graphene composites as nanozymes**
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- VI. **Decoration of Bi2O3NPs-AgNPs-ErGO as a first electrochemical nanosensor for sensitive determination of nelarabine in pharmaceutical dosage form and human serum samples**
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- VII. **Novel Approaches to Enzyme-Based Electrochemical Nanobiosensors**
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- VIII. **Characterization of Climbazole-Bovine serum albumin interaction by experimental and in silico approaches**
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- IX. **Elucidating the interaction of antidepressant drug paroxetine with ct-dsDNA: A comparative study by electrochemical, spectroscopic, and molecular docking approaches**
Nimal R., Unal D. N., Erkmen C., KURBANOĞLU S., Siddiq M., EREN G., Shah A., USLU B.
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- X. **Recent Trends in Pharmaceuticals and Natural Products Research - Part I**
DOĞAN A., KURBANOĞLU S., Erdem S. A.
Combinatorial Chemistry and High Throughput Screening, cilt.26, sa.15, ss.2575-2576, 2023 (SCI-Expanded)
- XI. **Electrodeposited copper nanocubes on multi-layer graphene: A novel nanozyme for ultrasensitive dopamine detection from biological samples**
Dinu L. A., KURBANOĞLU S., Romanitan C., Pruneanu S., Serban A. B., Stoian M. C., Pachiou C., Craciun G.
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- XII. **Electrochemical biosensor based on three components random conjugated polymer with fullerene (C60)**
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- XIII. **Understanding electrooxidation mechanism of anticancer drugs utilizing ultrafast pump probe spectroscopy**
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- XIV. **Trends in electrochemical nanosensors for the analysis of antioxidants**
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TrAC - Trends in Analytical Chemistry, cilt.153, 2022 (SCI-Expanded)
- XV. **Evaluation of the Interaction of Cinacalcet with Calf Thymus dsDNA: Use of Electrochemical, Spectrofluorimetric and Molecular Docking Methods**
Erkmen C., Unal D. N., KURBANOĞLU S., EREN G., USLU B.
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- XVI. **Phosphodiesterase-3 Enzyme Inhibitor Drug Milrinone Interaction with DNA and HSA: Electrochemical, Spectroscopic and Molecular Docking**
Unal D. N., Erkmen C., Selcuk O., KURBANOĞLU S., EREN G., USLU B.
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- XVII. **The interaction between dna and three intercalating anthracyclines using electrochemical dna nanobiosensor based on metal nanoparticles modified screen-printed electrode**
KARADURMUŞ L., DOĞAN TOPAL B., KURBANOĞLU S., Shah A., ÖZKAN S. A.
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- XVIII. **Current trends and roles of surfactants for chromatographic and electrochemical sensing**
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- XIX. **Electrochemical catechol biosensor based on beta-cyclodextrin capped gold nanoparticles and inhibition effect of ibuprofen**
Kapan B., KURBANOĞLU S., NALBANT ESENTÜRK E., SÖYLEMEZ S., TOPPARE L. K.
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- XX. **Multi-Purpose electrochemical tyrosinase nanobiosensor based on poly (3,4 ethylenedioxythiophene) nanoparticles decorated graphene quantum dots: Applications to hormone drugs analyses and inhibition studies**
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- XXI. **Latest trends for biogenic amines detection in foods: Enzymatic biosensors and nanozymes applications**
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- XXII. **Graphene-Gold Nanoparticles Nanozyme-Based Electrochemical Sensor with Enhanced Laccase-Like**

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- XXIII. **Simple and robust: The claims of protein sensing by molecularly imprinted polymers**
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- XXIV. **Revisiting pharmaceutical analysis in the light of new technologies-volume i**
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- XXV. **Electrochemical analysis for pharmaceuticals by the advantages of metal oxide nanomaterials**
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- XXVI. **Revisiting pharmaceutical analysis in the light of new technologies-volume ii**
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Current Analytical Chemistry, cilt.17, sa.9, ss.1213-1214, 2021 (SCI-Expanded)
- XXVII. **Contemporary Issues on Pharmaceutical Researches (Part II)**
Erkmén C., USLU B., KURBANOĞLU S.
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- XXVIII. **Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin**
Kaya S. I., KURBANOĞLU S., Yavuz E., Mustafafov S. D., ŞEN F., Ozkan S. A.
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- XXIX. **Au-Pt nanoparticles based molecularly imprinted nanosensor for electrochemical detection of the lipopeptide antibiotic drug Daptomycin**
ÖZÇELİKAY G., KURBANOĞLU S., Yarman A., Scheller F. W., Ozkan S. A.
Sensors and Actuators, B: Chemical, cilt.320, 2020 (SCI-Expanded)
- XXX. **Non-enzymatic monitoring of hydrogen peroxide using novel nanosensor based on CoFe₂O₄@CdSeQD magnetic nanocomposite and rifampicin mediator**
Mollarasouli F., KURBANOĞLU S., Asadpour-Zeynali K., Ozkan S. A.
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- XXXI. **Fabrication of poly(3,4-ethylenedioxythiophene)-iridium oxide nanocomposite based Tyrosinase biosensor for the dual detection of catechol and azinphos methyl**
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- XXXII. **Frontiers in electrochemical enzyme based biosensors for food and drug analysis**
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- XXXIII. **Analysis of diterpenes and diterpenoids**
Eksi G., KURBANOĞLU S., ASLAN ERDEM S.
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- XXXIV. **GC-MS Based Metabolic Profiling of Parkinson's Disease with Glutathione S-transferase M1 and T1 Polymorphism in Tunisian Patients**
Rebai A., REÇBER T., NEMUTLU E., Chbili C., KURBANOĞLU S., KIR S., Amor S. B., ÖZKAN S. A., Saguem S.
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- XXXV. **Chemically modified electrodes in electrochemical drug analysis**
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- XXXVI. **Contemporary Issues on Pharmaceutical Researches**
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- XXXVII. **Preparation of porous Cu metal organic framework/ZnTe nanorods/Au nanoparticles hybrid platform for nonenzymatic determination of catechol**
Mollarasouli F., KURBANOĞLU S., Asadpour-Zeynali K., Ozkan S. A.
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- XXXVIII. **Electrochemical MIP sensor for butyrylcholinesterase**
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- XXXIX. **Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan)**
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- XL. **The role of electrochemical immunosensors in clinical analysis**
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- XLI. **Modern Assay Techniques for Cancer Drugs: Electroanalytical and Liquid Chromatography Methods**
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- XLII. **Development and in vitro/in vivo evaluation of dihydroergotamine mesylate loaded maltodextrin-pullulan sublingual films**
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- XLIII. **NH₂-Functionalized Multi Walled Carbon Nanotubes Decorated with ZnO Nanoparticles and Graphene Quantum Dots for Sensitive Assay of Pimozide**
Aftab S., KURBANOĞLU S., ÖZÇELİKAY G., Shah A., Ozkan S. A.
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- XLIV. **Carbon quantum dots co-catalyzed with multiwalled carbon nanotubes and silver nanoparticles modified nanosensor for the electrochemical assay of anti-HIV drug Rilpivirine**
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- XLV. **Nanomaterials-Based Nanosensors for the Simultaneous Electrochemical Determination of Biologically Important Compounds: Ascorbic Acid, Uric Acid, and Dopamine**
Kaya S. I., KURBANOĞLU S., Ozkan S. A.
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- XLVI. **A novel electrochemical nanosensor based on NH₂-functionalized multi walled carbon nanotubes for the determination of catechol-orto-methyltransferase inhibitor entacapone**
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- XLVII. **Editorial: "Current analytical techniques and applications in pharmaceutical analysis - volume I"**
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- XLVIII. **Nanomaterials for Drug Delivery Systems**
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- XLIX. **Electrochemical analysis of antipsychotics**
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- L. **Photoelectrochemical Nanosensors**
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- LI. **The Effect of Nanomaterials on the Drug Analysis Performance of Nanosensors**
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- LII. **Molecularly Imprinted Polymer-Based Nanosensors for Pharmaceutical Analysis**
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- LIII. **Chemical Nanosensors in Pharmaceutical Analysis**
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- LIV. **Current analytical techniques and applications in pharmaceutical analysis-volume ii**
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- LV. **Electrochemical determination of non-steroidal anti-inflammatory drugs**
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- LVI. **Development and Validation of RP-LC Method for the Simultaneous Determination of Simvastatin and Ezetimibe in Fixed-Dose Combination Tablets and in Rabbit Serum**
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- LVII. **Introduction to Nanosensors**
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- LVIII. **Recent advances on drug analyses using ultra performance liquid chromatographic techniques and their application to the biological samples**
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- LIX. **Recent developments on electrochemical flow injection in pharmaceuticals and biologically important compounds**
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- LX. **MWCNT/CdSe quantum dot modified glassy carbon electrode for the determination of clopidogrel bisulfate in tablet dosage form and serum samples**
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- LXI. **Amperometric Flow Injection Analysis of Glucose and Galactose Based on Engineered Pyranose 2-Oxidases and Osmium Polymers for Biosensor Applications**
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- LXII. **Nanomedicine: An effective tool in cancer therapy**
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- LXIII. **A Novel Enzymatic Biosensor for the Detection of Catechol Using Multi-walled Carbon Nanotubes and Gold Nanowires**
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- LXIV. **Validation of Analytical Methods for the Assessment of Hazards in Food**
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- LXV. **Electrochemical carbon based nanosensors: A promising tool in pharmaceutical and biomedical analysis**
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- LXVI. **A novel core-shell-based chromatographic method supported by ratio derivative spectrophotometry for the simultaneous determination of perindopril, indapamide, and amlodipine ternary mixtures**
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- LXVII. **Electrochemical MIP-Sensors for Drugs**
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- LXVIII. **Development of assay for determination of eletriptan hydrobromide in loaded PLGA nanoparticles**
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- LXIX. **DIFFERENTIAL PULSE VOLTAMMETRIC DETERMINATION OF ROSUVASTATIN VIA GLASSY CARBON ELECTRODE**
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- LXX. **DETERMINATION OF DIHYDROERGOTAMINE VIA LC METHOD COUPLED WITH FLUORESCENCE DETECTION IN PHARMACEUTICAL FILM PREPARATIONS**
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- LXXI. **Nanomaterials-based enzyme electrochemical biosensors operating through inhibition for biosensing applications**
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- LXXII. **Electrochemically reduced graphene and iridium oxide nanoparticles for inhibition-based angiotensin-converting enzyme inhibitor detection**
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- LXXIII. **Electrochemical DNA Biosensors in Drug Analysis**
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- LXXIV. **CARBON-BASED NANOSTRUCTURES FOR ELECTROCHEMICAL ANALYSIS OF ORAL MEDICINES**
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- XXVIII. **A novel molecularly imprinted electrochemical sensor based on PtNPs-AuNPs surface for the rapid determination of lipopeptide antibiotic daptomycin**
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- XXXVI. **EFFECT OF POLYMER TYPE AND CONCENTRATION ON CHARACTERISTICS OF DIHYDROERGOTAMINE MESYLATE SUBLING FILMS**
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- XXXVII. **Comparison Between Liquid Chromatography And Ratio Derivative Spectrophotometry For The Simultaneous Determination of Perindopril, Indapamide, and Amlodipine Ternary Mixtures**

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- XLV. **Molecularly Imprinted Electrochemical Sensor For The Determination of Lipopeptide Antibiotic Drug Daptomycin**
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- LII. **ELECTROCHEMICAL ANALYSIS OF ANTICANCER DAUNORUBICIN USING MULTIWALLED CARBON NANOTUBE MODIFIED EDGE PLANE CARBON ELECTRODE**
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