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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Türkiye 2016 - 2019

Yüksek Lisans, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Türkiye 2014 - 2016

Lisans, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2009 - 2013

Yaptığı Tezler

Doktora, Kanser ve nörolojik hastalıklara yönelik elektrokimyasal biyosensör sistemlerinin geliştirilmesi, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, 2022

Yüksek Lisans, Antiviral ilaç etken maddesi tenofovir in elektrokimyasal davranışı için nanosensör tasarımı, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 2016

Araştırma Alanları

Analitik Kimya

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Ankara Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2017 - Devam Ediyor

Verdiği Dersler

Araştırma Projesi II Uygulama, Lisans, 2023 - 2024

Laboratuvar Güvenliği, Lisans, 2023 - 2024

Araştırma Projesi II, Lisans, 2023 - 2024

Laboratory Safety, Lisans, 2023 - 2024

Laboratory Safety, Lisans, 2022 - 2023

Laboratuvar Güvenliği, Lisans, 2022 - 2023

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Investigation of electrochemical behaviour and determination of Riociguat with bare GCE and

molecularly imprinted polymer-based electrochemical sensor

Hosseinzadeh B., Jadon N., ÖZÇELİKAY AKYILDIZ G., Kaya S., Cetinkaya A., Atici E. B., ÖZKAN S. A.
Electrochimica Acta, cilt.503, 2024 (SCI-Expanded)

- II. **Emerging trends of ion-selective electrodes in pharmaceutical applications**
Jadon N., Hosseinzadeh B., Kaya S. I., ÖZÇELİKAY AKYILDIZ G., Cetinkaya A., ÖZKAN S. A.
Electrochimica Acta, cilt.488, 2024 (SCI-Expanded)
- III. **Ultrasensitive electrochemical immunosensor system for determination of autologous SOX2 antibody**
Özçelikay-Akyıldız G., ÜNAL M. A., Atakan Ş., Gül den S., Kızılelma B., Aydın S., ÖZKAN S. A.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, cilt.241, 2024 (SCI-Expanded)
- IV. **Biosensors for stem cell-based applications: Current trends and future prospects**
Arif T., BİLGE YÜCEL S., UYAR R., ÖZÇELİKAY AKYILDIZ G., Summak G. Y., ÜNAL M. A., YILMAZER AKTUNA A., ÖZKAN S. A.
Microchemical Journal, cilt.198, 2024 (SCI-Expanded)
- V. **Early cancer detection based on exosome biosensors in biological samples**
UYAR R., ÖZÇELİKAY AKYILDIZ G., Kaya S. İ., BEREKETOĞLU NERGİS S., Beşbinar Ö., ÜNAL M. A., YILMAZER AKTUNA A., ÖZKAN S. A.
Sensors and Actuators B: Chemical, cilt.400, 2024 (SCI-Expanded)
- VI. **Novel Sensor Approaches of Aflatoxins Determination in Food and Beverage Samples**
Ozcelikay G., Cetinkaya A., Kaya S. I., Yence M., Eroğlu P. E. C., Ünal M. A., Ozkan S. A.
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, cilt.54, sa.5, ss.982-1001, 2024 (SCI-Expanded)
- VII. **Carbon Nanomaterials-Based Novel Hybrid Platforms for Electrochemical Sensor Applications in Drug Analysis**
Cetinkaya A., Kaya S. I., Ozcelikay G., Budak F., Ozkan S. A.
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, cilt.54, sa.5, ss.1227-1242, 2024 (SCI-Expanded)
- VIII. **The Evaluation of Clinical Applications for the Detection of the Alzheimer's Disease Biomarker GFAP**
ÖZÇELİKAY AKYILDIZ G., Karadurmus L., Cetinkaya A., ULUDAĞ İ., ÖZCAN B., ÜNAL M. A., SEZGİNTÜRK M. K., ÖZKAN S. A.
Critical Reviews in Analytical Chemistry, 2024 (SCI-Expanded)
- IX. **Carbon Dots in the Detection of Pathogenic Bacteria and Viruses**
Zor E., Mollarasouli F., Karadurmuş L., Özçelikay G., Özkan S. A.
Critical Reviews in Analytical Chemistry, cilt.54, sa.2, ss.219-246, 2024 (SCI-Expanded)
- X. **Molecularly imprinted electrochemical sensor for the selective and sensitive determination of octreotide in cancer patient plasma sample**
Ozkan E., Ozcelikay G., Topak E. D. G., NEMUTLU E., ÖZKAN S. A., DİZDAR Ö., AKSOY S., KIR S.
TALANTA, cilt.263, 2023 (SCI-Expanded)
- XI. **Electrochemical bioplatfor m for the determination of the most common and carcinogenic human papillomavirus DNA**
Ozcelikay G., Gamella M., Solís-Fernández G., Barderas R., Pingarrón J. M., Campuzano S., ÖZKAN S. A.
Journal of Pharmaceutical and Biomedical Analysis, cilt.231, 2023 (SCI-Expanded)
- XII. **Nanomaterial-based electrochemical sensing platform for the determination of Olaparib**
Majidian M., Ozcelikay G., Cetinkaya A., ÜNAL M. A., NAZIR H., Atici E. B., ÖZKAN S. A.
Electrochimica Acta, cilt.449, 2023 (SCI-Expanded)
- XIII. **The electrochemical quantitation method for sugammadex via a molecularly imprinted polymer-based sensor**
ÖZÇELİKAY AKYILDIZ G., Cetinkaya A., Atici E. B., ÖZKAN S. A.
ANALYTICAL METHODS, cilt.15, sa.19, ss.2309-2317, 2023 (SCI-Expanded)
- XIV. **Approaches and Challenges for Biosensors for Acute and Chronic Heart Failure**
Kaya S. I., Cetinkaya A., Ozcelikay G., Samanci S. N., ÖZKAN S. A.
Biosensors, cilt.13, sa.2, 2023 (SCI-Expanded)
- XV. **Comparative study of electrochemical-based sensors and immunosensors in terms of advantageous features for detection of cancer biomarkers**

Özçelikay G., Çetinkaya A., Kaya S. İ., ÖZKAN S. A.

Turkish Journal of Chemistry, cilt.47, sa.5, ss.927-943, 2023 (SCI-Expanded)

- XVI. **A Comparative Study of Molecular Imprinting Techniques Used for Fabrication of Electrochemical Sensor of Olaparib**
Kaya S. I., Majidian M., ÖZÇELİKAY AKYILDIZ G., Cetinkaya A., DOĞAN TOPAL B., Atici E. B., ÖZKAN S. A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.170, sa.9, 2023 (SCI-Expanded)
- XVII. **Ultrasensitive Determination of Glial-Fibrillary-Acidic-Protein (GFAP) in Human Serum-Matrix with a Label-Free Impedimetric Immunosensor**
Ozcelikay G., Mollarasouli F., ÜNAL M. A., Gucuyener K., ÖZKAN S. A.
BIOSENSORS-BASEL, cilt.12, sa.12, 2022 (SCI-Expanded)
- XVIII. **Electrochemical chiral sensor based on molecularly imprinted polymer for determination of (1S,2S)-pseudoephedrine in dosage forms and biological sample**
Karadurmuş L., Özçelikay G., Armutcu Çorman C., Özkan S. A.
MICROCHEMICAL JOURNAL, cilt.181, 2022 (SCI-Expanded)
- XIX. **Assisting dementia diagnosis through the electrochemical immunosensing of glial fibrillary acidic protein**
Özçelikay G., Gamella M., Ünal M. A., Gücüyener K., Montero-Calle A., Barderas R., Pingarrón J. M., Campuzano S., Özkan S. A.
Talanta, cilt.246, 2022 (SCI-Expanded)
- XX. **Rapid and Sensitive Electrochemical Assay of Cefditoren with MWCNT/Chitosan NCs/Fe₂O₃ as a Nanosensor**
Aydogdu N., Ozcelikay G., Ozkan S. A.
MICROMACHINES, cilt.13, sa.8, 2022 (SCI-Expanded)
- XXI. **New analytical strategies Amplified with 2D carbon nanomaterials for electrochemical sensing of food pollutants in water and soils sources**
Özçelikay G., Karadurmuş L., Bilge S., Sinağ A., Özkan S. A.
Chemosphere, cilt.296, 2022 (SCI-Expanded)
- XXII. **Metal-organic frameworks as an alternative smart sensing platform for designing molecularly imprinted electrochemical sensors**
Çorman M., Özçelikay G., Cetinkaya A., Kaya S., Armutcu C., Özgür E., Uzun L., Özkan S. A.
TrAC - Trends in Analytical Chemistry, cilt.150, 2022 (SCI-Expanded)
- XXIII. **Electrochemical Sensing of Anticancer Drug Using New Electrocatalytic Approach**
Cetinkaya A., Karadurmuş L., Kaya S. I., Özçelikay G., Ozkan S. A.
Topics in Catalysis, cilt.65, sa.5-6, ss.703-715, 2022 (SCI-Expanded)
- XXIV. **Sensitive and cost-effective boron doped diamond and Fe₂O₃/Chitosan nanocomposite modified glassy carbon electrodes for the trace level quantification of anti-diabetic dapagliflozin drug**
Ozkan E., Cetinkaya A., Özçelikay G., Nemutlu E., Kır S., Özkan S. A.
Journal of Electroanalytical Chemistry, cilt.908, 2022 (SCI-Expanded)
- XXV. **Computational design and fabrication of a highly selective and sensitive molecularly imprinted electrochemical sensor for the detection of enzalutamide**
Kaya S., Cetinkaya A., Özçelikay G., Çorman M. E., Karakaya M., Bellur Atici E., Özkan S. A.
Journal of Electroanalytical Chemistry, cilt.907, 2022 (SCI-Expanded)
- XXVI. **Recent achievements and challenges on nanomaterial based electrochemical biosensors for the detection of colon and lung cancer biomarkers**
Kaya S., Özçelikay G., Mollarasouli F., Bakirhan N. K., Özkan S. A.
Sensors and Actuators B: Chemical, cilt.351, 2022 (SCI-Expanded)
- XXVII. **An Ultra-Sensitive Molecularly Imprinted Poly(Aniline) Based Electrochemical Sensor for the Determination of Bisphenol A in Synthetic Human Serum Specimen and Plastic Bottled Water Samples**
Kaya S. I., Özçelikay G., Armutcu Çorman C., Özkan S. A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.169, sa.1, 2022 (SCI-Expanded)

- XXVIII. **Boron-Doped Diamond Electrodes: Recent Developments and Advances in View of Electrochemical Drug Sensors**
Yence M., Cetinkaya A., Özçelikay G., Kaya S. I., Özkan S. A.
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, cilt.52, sa.5, ss.1122-1138, 2022 (SCI-Expanded)
- XXIX. **Sensor-based MIP technologies for targeted metabolomics analysis**
Özçelikay G., Kaya S., Özkan E., Cetinkaya A., Nemutlu E., Kır S., Özkan S. A.
TrAC - Trends in Analytical Chemistry, cilt.146, 2022 (SCI-Expanded)
- XXX. **Current Advances in Electrochemical Biosensors and Nanobiosensors**
Bakirhan N. K., Doğan Topal B., Özçelikay G., Karadurmuş L., Özkan S. A.
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, cilt.52, sa.3, ss.519-534, 2022 (SCI-Expanded)
- XXXI. **A porous molecularly imprinted nanofilm for selective and sensitive sensing of an anticancer drug ruxolitinib**
Çorman M. E., Cetinkaya A., ÖZÇELİKAY G., ÖZGÜR E., Atici E. B., UZUN L., ÖZKAN S. A.
Analytica Chimica Acta, cilt.1187, 2021 (SCI-Expanded)
- XXXII. **A molecularly imprinted electrochemical sensor based on highly selective and an ultra-trace assay of anti-cancer drug axitinib in its dosage form and biological samples**
Cetinkaya A., Kaya S. I., ÖZÇELİKAY G., Atici E. B., ÖZKAN S. A.
TALANTA, cilt.233, 2021 (SCI-Expanded)
- XXXIII. **An Overview on Quantum Dot-based Nanocomposites for Electrochemical Sensing on Pharmaceutical Assay**
KARADURMUŞ L., ÖZÇELİKAY G., Vural S., ÖZKAN S. A.
Iranian Journal of Pharmaceutical Research, cilt.20, sa.3, ss.187-203, 2021 (SCI-Expanded)
- XXXIV. **Magnetic nanoparticles in developing electrochemical sensors for pharmaceutical and biomedical applications**
Mollarasouli F., ZOR E., ÖZÇELİKAY G., ÖZKAN S. A.
TALANTA, cilt.226, 2021 (SCI-Expanded)
- XXXV. **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)
- XXXVI. **A selective and molecular imaging approach for anticancer drug: Pemetrexed by nanoparticle accelerated molecularly imprinting polymer**
ÖZÇELİKAY G., Karadas-Bakirhan N., TAŞKIN TOK T., Ozkan S. A.
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- XXXVII. **A Review: New Trends in Electrode Systems for Sensitive Drug and Biomolecule Analysis**
ÖZÇELİKAY G., KARADURMUŞ L., Kaya S. I., BAKIRHAN N. K., Ozkan S. A.
Critical Reviews in Analytical Chemistry, cilt.50, sa.3, ss.212-225, 2020 (SCI-Expanded)
- XXXVIII. **Electrochemical MIP sensor for butyrylcholinesterase**
ÖZÇELİKAY G., KURBANOĞLU S., Zhang X., SÖZ Ç., Wollenberger U., Ozkan S. A., Yarman A., Scheller F. W.
Polymers, cilt.11, sa.12, 2019 (SCI-Expanded)
- XXXIX. **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.
Electroanalysis, cilt.31, sa.6, ss.1083-1094, 2019 (SCI-Expanded)
- XL. **Carbon quantum dots co-catalyzed with multiwalled carbon nanotubes and silver nanoparticles modified nanosensor for the electrochemical assay of anti-HIV drug Rilpivirine**
Aftab S., KURBANOĞLU S., ÖZÇELİKAY G., BAKIRHAN N. K., Shah A., ÖZKAN S. A.
SENSORS AND ACTUATORS B-CHEMICAL, cilt.285, ss.571-583, 2019 (SCI-Expanded)
- XLI. **A novel electrochemical nanosensor based on NH₂-functionalized multi walled carbon nanotubes for the determination of catechol-orto-methyltransferase inhibitor entacapone**
Aftab S., ÖZÇELİKAY G., KURBANOĞLU S., Shah A., Iftikhar F. J., ÖZKAN S. A.

- JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, cilt.165, ss.73-81, 2019 (SCI-Expanded)
- XLII. **MWCNT/CdSe quantum dot modified glassy carbon electrode for the determination of clopidogrel bisulfate in tablet dosage form and serum samples**
ÖZÇELİKAY G., KURBANOĞLU S., BOZAL PALABIYIK B., USLU B., ÖZKAN S. A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.827, ss.51-57, 2018 (SCI-Expanded)
- XLIII. **Recent progress on the sensitive detection of cardiovascular disease markers by electrochemical-based biosensors**
BAKIRHAN N. K., ÖZÇELİKAY G., ÖZKAN S. A.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, cilt.159, ss.406-424, 2018 (SCI-Expanded)
- XLIV. **An Electrochemical Sensor Based on Silver Nanoparticles-Benzalkonium Chloride for the Voltammetric Determination of Antiviral Drug Tenofovir**
ÖZÇELİKAY G., DOĞAN TOPAL B., ÖZKAN S. A.
ELECTROANALYSIS, cilt.30, sa.5, ss.943-954, 2018 (SCI-Expanded)
- XLV. **ELECTROCHEMICAL CHARACTERISTICS OF TENOFOVIR AND ITS DETERMINATION IN DOSAGE FORM BY ELECTROANALYTICAL METHODS**
ÖZÇELİKAY G., DOĞAN TOPAL B., ÖZKAN S. A.
REVUE ROUMAINE DE CHIMIE, cilt.62, sa.6-7, ss.569-578, 2017 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Green metrics and green analytical applications: A comprehensive outlook from developing countries to advanced applications**
Kaya S. I., ÖZÇELİKAY AKYILDIZ G., ÖZKAN S. A.
Green Analytical Chemistry, cilt.11, 2024 (Scopus)
- II. **DOBUTAMİN TAYİNİ İÇİN MIP ESASLI ELEKTROKİMYASAL SENSÖRÜN GELİŞTİRİLMESİ**
ÖZÇELİKAY-AKYILDIZ G., KAYA S. İ.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, cilt.48, sa.3, ss.1098-1109, 2024 (Scopus)
- III. **Investigation of electrochemical behavior and voltammetric determination of the anti-inflammatory agent bufexamac**
Kaya S. I., ÖZÇELİKAY AKYILDIZ G.
Journal of Research in Pharmacy, cilt.28, sa.5, ss.1562-1571, 2024 (ESCI)
- IV. **DEVELOPMENT OF ELECTROCHEMICAL SENSOR BY MOLECULARLY IMPRINTING POLYMER FOR DETECTION OF AN INFLUENZA VIRUS NEURAMINIDASE INHIBITOR PERAMIVIR**
ÖZÇELİKAY AKYILDIZ G., ÖZKAN S. A.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, cilt.48, sa.1, 2023 (Scopus)
- V. **Recent advances in electrochemical biosensors for detection of oncoviruses**
Ozcelikay G., Kaya S. I., Cetinkaya A., Özkan S. A.
Biosensors and Bioelectronics: X, cilt.12, 2022 (Scopus)
- VI. **Achievements of Mesoporous Carbon Solution and Single-Walled Carbon Nanotube Composite on the Sensitive Electrochemical Assay of Ivabradine**
Yence M., KARADURMUŞ L., ÖZÇELİKAY G., KARADAŞ BAKIRHAN N., ÖZKAN S. A.
Analytica, cilt.2, ss.195-205, 2021 (ESCI)

Kitap & Kitap Bölümleri

- I. **Emerging analytical techniques in the analysis of food dyes**
ÇETİNKAYA A., KAYA S. İ., ÖZÇELİKAY AKYILDIZ G., ÖZKAN S. A.
Green Chemistry in Food Analysis, , Editör, Elsevier, Netherlands, ss.251-258, 2024
- II. **Prospects of Electrochemical Sensors for Sustainable Future**

Yence M., Çetinkaya A., Kaya S. İ., Özçelikay Akyıldız G., Özkan S. A.

Recent Developments in Green Electrochemical Sensors: Design, Performance, and Applications, J. G. Manjunatha, Chaudhery Mustansar Hussain, Editör, ACS Publications, New Jersey, ss.411-439, 2023

- III. **Development of 2D Nanomaterials-Based Sensors for Detection of Toxic Environmental Pollutants**
Kaya S. İ., Yence M., Özçelikay Akyıldız G., Çetinkaya A., Budak F., Özkan S. A.
Two-Dimensional Materials for Environmental Applications, Neeraj Kumar, Rashi Gusain, Suprakas Sinha Ray, Editör, Springer, London/Berlin, Berlin, ss.269-297, 2023
- IV. **Advances in 2D MOFs for Environmental Applications**
Özçelikay Akyıldız G., Çetinkaya A., Yence M., Budak F., Kaya S. İ., Özkan S. A.
Two-Dimensional Materials for Environmental Applications, Neeraj Kumar, Rashi Gusain, Suprakas Sinha Ray, Editör, Springer, London/Berlin, Berlin, ss.327-349, 2023
- V. **Current developments in nanobioremediation via electrochemistry**
Kaya S. İ., Özçelikay Akyıldız G., Çetinkaya A., Bakırhan N. K., Özkan S. A.
Nanoremediation Modern Technologies for Treatment of Environmental Pollutants, Chaudhery Mustansar Hussain, Nashaat N. Nassar, Editör, Elsevier Science, Oxford/Amsterdam, Amsterdam, ss.363-389, 2023
- VI. **Nanobiomaterials and electrochemical methods for cancer diagnosis**
ÖZÇELİKAY G., KAYA S. İ., KARADURMUŞ L., KARADAŞ BAKIRHAN N., ÖZKAN S. A.
Handbook of Nanobioelectrochemistry Application in Devices and Biomolecular Sensing, Uday Pratap Azad, Pranjali Chandra, Editör, Springer Nature, ss.259-282, 2023
- VII. **Types of Biosensors and their Importance in Cardiovascular Applications.**
Kaya S. İ., Karadurmuş L., Çetinkaya A., Özçelikay Akyıldız G., Özkan S. A.
Predicting Heart Failure: Invasive, Non-Invasive, Machine Learning, and Artificial Intelligence Based Methods, Kishor Kumar Sadasivuni (Editor), Hassen M. Ouakad (Editor), Somaya Al-Maadeed (Editor), Huseyin C. Yalcin (Editor), Issam Bait Bahadur (Editor), Editör, John Wiley & Sons, West Sussex, UK, London, ss.42-79, 2022
- VIII. **Validation Requirements in Biosensors**
Karadurmuş L., Kaya S. İ., Özçelikay G., Gümüştaş M., Uslu B., Özkan S. A.
Biosensors, Sibel A. Ozkan, Bengi Uslu, Mustafa Kemal Sezgintürk, Editör, CRC, New York, New York, ss.313-343, 2022
- IX. **Novel advances in nanomaterial-based electrochemical sensing of the biomarker.**
Özçelikay Akyıldız G., Bakırhan N. K., Özkan S. A.
The Detection of Biomarkers Past, Present, and the Future Prospects, Sibel Ozkan, Nurgul Bakirhan, Fariba Mollarasouli, Editör, Academic Press, Massachusetts, ss.209-224, 2021
- X. **Biocompatible Nanopolymers in Drug Delivery Systems and Their Recent Electrochemical Applications in Drug Assays**
ÖZÇELİKAY G., EŞİM Ö., KARADAŞ BAKIRHAN N., SAVAŞER A., ÖZKAN Y., ÖZKAN S. A.
Handbook of Polymer and Ceramic Nanotechnology, Chaudhery Mustansar Hussain, Sabu Thomas, Editör, Springer, ss.875-894, 2021
- XI. **Electrochemical virus detections with nanobiosensors**
Kaya S. İ., Karadurmuş L., Özçelikay Akyıldız G., Bakırhan N. K., Özkan S. A.
Nanosensors for smart cities, Baoguo Han, Vijay Tomer, Tuan Anh Nguyen, Ali Farmani, Pradeep Kumar Singh, Editör, Elsevier Science, Oxford/Amsterdam, Amsterdam, ss.303-326, 2020
- XII. **İlaç Analizi için Kullanılan Moleküler Baskılı Polimer Temelli Elektrokimyasal Nanosensördeki Gelişmeler**
Aksoy B., ÖZÇELİKAY G., ÖZKAN S. A.
Eczacılıkta Yenilikler-3, Gülbin Özçelikay İlkay Yıldız, Editör, Ankara Üniversitesi, ss.1-12, 2020
- XIII. **Biocompatible nanopolymers in drug delivery systems and their recent electrochemical applications in drug assays**
Özçelikay Akyıldız G., Eşim Ö., Bakırhan N. K., Savaşer A., Özkan Y., Özkan S. A.
Handbook of Polymer and Ceramic, Chaudhery Mustansar Hussain, Sabu Thomas, Editör, Springer, London/Berlin, New Jersey, ss.875-894, 2019

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **ZnO/AuNPs Nanocomposite-designed Nanosensor for Higly Sensitive Electrochemical Detection of Niraparib**
SAMANCI Ş. N., ÖZÇELİKAY AKYILDIZ G., BELLUR ATICI E., ÖZKAN S. A.
Workshop on Biosensors and Bioanalytical Microtechniques in Environmental, Food and Clinical Analysis (BBMEC), İzmir, Türkiye, 20 - 23 Mayıs 2024
- II. **Evaluation of electrochemical behavior of Riociguat with bare glassy carbon electrode and MIP-based electrochemical sensor**
ÖZÇELİKAY AKYILDIZ G., HOSSEINZADEH B., JADON N., KAYA S. İ., ÇETİNKAYA A., BELLUR ATICI E., ÖZKAN S. A.
12. International Drug Chemistry Conference, Antalya, Türkiye, 7 - 10 Mart 2024
- III. **Electrochemical Investigation of Niraparib: Voltammetric Assay in Human Serum using glassy carbon electrode and boron-doped diamond**
SAMANCI Ş. N., ÖZÇELİKAY AKYILDIZ G., BELLUR ATICI E., ÖZKAN S. A.
12. Drug Chemistry Conference, Antalya, Türkiye, 7 - 10 Mart 2024, ss.180
- IV. **Nanomaterial-Based Electrochemical Sensor Development for Sensitive Determination of Cefditoren in Human Serum and Pharmaceutical Forms**
AYDOĞDU ÖZDOĞAN N., ÖZÇELİKAY AKYILDIZ G., ÖZKAN S. A.
12. Drug Chemistry Conference, Antalya, Türkiye, 7 - 10 Mart 2024, ss.196
- V. **Development Of An Electrochemical Sensor Designed With Molecularly Imprinted Polymer For Sensitive And Selective Determination Of Riociguat**
ÖZÇELİKAY AKYILDIZ G., HOSSEINZADEH B., JADON N., KAYA S. İ., ÇETİNKAYA A., BELLUR ATICI E., ÖZKAN S. A.
12th Annual Symposium on Physical and Analytical Chemistry, Tbilisi, Gürcistan, 15 - 17 Aralık 2023
- VI. **Determination of Famotidine as antiulcer drug in serum samples with high selectivity using a MIP-based electrochemical sensor by photopolymerization**
ÖZÇELİKAY AKYILDIZ G.
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- VII. **Comparison of Polymerization Techniques for the Development of Molecularly Imprinted Polymer-Based Electrochemical Sensor Used for Anticancer Drug Determination**
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