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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri, Kimya, Türkiye 2011 - 2016

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı/Biyokimya, Türkiye 2008 - 2011

Lisans, Hacettepe Üniversitesi, Ortaöğretim Fen Ve Matematik Alanları, Kimya Öğretmenliği, Türkiye 2003 - 2008

Araştırma Alanları

Kimya, Biyokimya, Biyofiziksel Kimya, Temel Bilimler

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2021 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- PolyPyrrole based-impedimetric aptasensor for selective determination of beta-HCG from urine sample**
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- A molecularly imprinted polymer-based detection platform confirmed through molecular modeling for the highly sensitive and selective analysis of ipratropium bromide**
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- VI. **Human periodontal ligament stem cells-derived exosomes-loaded hybrid hydrogel enhances the calvarial defect regeneration in middle-age rats**
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- VII. **Molecular imprinted based microcryogels for thrombin purification**
Asena Özbek M., ÖZGÜR E., BERELİ N., DENİZLİ A.
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- VIII. **Highly Selective Benzo[a]Pyrene Detection Even under Competitive Conditions with Molecularly Imprinted Surface Plasmon Resonance Sensor**
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- IX. **Inspirations of Biomimetic Affinity Ligands: A Review**
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- X. **Quartz Crystal Microbalance-Based Aptasensors for Medical Diagnosis**
AKGÖNÜLLÜ S., ÖZGÜR E., DENİZLİ A.
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- XI. **Diclofenac Imprinted Surface Plasmon Resonance (SPR) Based Sensor**
Caktu K., ÖZGÜR E., BERELİ N., DENİZLİ A.
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- XII. **The creation of selective imprinted cavities on quartz crystal microbalance electrode for the detection of melamine in milk sample**
Comert S. C., ÖZGÜR E., UZUN L., ODABAŞI M.
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- XIII. **Recent Advances in Quartz Crystal Microbalance Biosensors Based on the Molecular Imprinting Technique for Disease-Related Biomarkers**
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- XIV. **A porous molecularly imprinted nanofilm for selective and sensitive sensing of an anticancer drug ruxolitinib**
corman M. E., Cetinkaya A., ÖZÇELİKAY G., ÖZGÜR E., Atici E. B., UZUN L., Ozkan S. A.
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- XV. **Artificial Carbonic Anhydrase via the Molecular Imprinting Approach for Carbon Dioxide Bioconversion**
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- XVI. **Borate mineral loading into acrylic bone cements to gain cost-effectivity, enhanced antibacterial resistivity, and better cellular integration properties**
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- XVII. **Bifunctional sharkskin mimicked chitosan/graphene oxide membranes: Reduced biofilm formation and improved cytocompatibility**
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- XVIII. **Interface imprinted polymers with well-oriented recognition sites for selective purification of hemoglobin**
ARMUTCU ÇORMAN C., ÖZGÜR E., ÇORMAN M. E., UZUN L.
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- XIX. **Phosphate Anion Imprinted Cryogel Cartridges for Selective Preconcentration of Phosphorylated**

Amino Acids from Protein Lysate: An Alternative Sorbent for Proteome Analyses

ARMUTCU ÇORMAN C., Tartan C., ÖZGÜR E., NEMUTLU E., UZUN L.

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- XX. **Lanthanide [Terbium(III)]-Doped Molecularly Imprinted Nanoarchitectures for the Fluorimetric Detection of Melatonin**
ÖZGÜR E., Patra H. K., Turner A. P. F., DENİZLİ A., UZUN L.
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- XXI. **Molecularly imprinted polymer integrated plasmonic nanosensor for cocaine detection**
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- XXII. **Immunoaffinity biosensor for neurofilament light chain detection and its use in Parkinson's diagnosis**
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- XXIII. **Surface plasmon resonance based biomimetic sensor for urinary tract infections**
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- XXIV. **Molecular imprinted polymer based electrochemical sensor for selective detection of paraben**
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- XXV. **Rapid Analysis of Polycyclic Aromatic Hydrocarbons in Water Samples Using an Automated On-line Two-Dimensional Liquid Chromatography**
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- XXVI. **Design and preparation of imprinted surface plasmon resonance (SPR) nanosensor for detection of Zn(II) ions**
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- XXVII. **A repertoire of biomedical applications of noble metal nanoparticles**
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- XXVIII. **Real time monitoring and label free creatinine detection with artificial receptors**
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- XXIX. **Quartz crystal microbalance based histidine sensor**
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- XXX. **Bioinspired design of a polymer-based biohybrid sensor interface**
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- XXXI. **Plastic antibody based surface plasmon resonance nanosensors for selective atrazine detection**
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- XXXII. **Molecular Imprinting of Macromolecules for Sensor Applications**
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- XXXIII. **Microcontact imprinted quartz crystal microbalance nanosensor for protein C recognition**

- Bakhshpour M., ÖZGÜR E., BERELİ N., DENİZLİ A.
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- XXXIV. **Molecularly Imprinted Quartz Crystal Microbalance Sensor (QCM) for Bilirubin Detection**
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- XXXVI. **Whole cell imprinting based Escherichia coli sensors: A study for SPR and QCM**
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- XXXVII. **A New Molecular Imprinting-Based Mass-Sensitive Sensor for Real-Time Detection of 17 beta-Estradiol from Aqueous Solution**
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- XXXVIII. **Rapid real-time detection of procalcitonin using a microcontact imprinted surface plasmon resonance biosensor**
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- XXXIX. **PHEMA cryogel for in-vitro removal of anti-dsDNA antibodies from SLE plasma**
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- XL. **Quartz crystal microbalance based nanosensor for lysozyme detection with lysozyme imprinted nanoparticles**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Progress in conducting polymers for biointerfacing and biorecognition applications**
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Kitap & Kitap Bölümleri

- I. **Mass-sensitive based biosensors**
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- II. **Nanosensors for smartphone-enabled sensing devices**
SAYLAN İNCİ Y., AKGÖNÜLLÜ S., ÖZGÜR E., DENİZLİ A.
Nanotechnology-Based Smart Remote Sensing Networks for Disaster Prevention, , Editör, Elsevier, ss.85-1104, 2022
- III. **Ultrasensitive Sensors Based o Plasmonic Nanoparticles**
Denizli F., GÖKTÜRK BAŞAL I., ÖZGÜR E., YILMAZ F.
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- IV. **Plasmonic Smart Nanosensors for the Determination of Environmental Pollutants**
SAYLAN Y., YILMAZ F., ÖZGÜR E., DERAZSHAMSHIR A., DENİZLİ A.
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- V. **Gold Nanoparticles and Molecular Imprinting Technique**
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- VI. **Molecularly Imprinted Nanomaterials: Applications in Biosensors and Biodiagnostics**
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Affinity Sensors, , Editör, Hacettepe University Press, ss.1-26, 2019
- VII. **Surface plasmon resonance sensors for medical diagnosis**
SAYLAN Y., YILMAZ F., ÖZGÜR E., DERAZSHAMSHIR A., BERELİ N., YAVUZ ALAGÖZ H., DENİZLİ A.
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- VIII. **Yüzey Plazmon Rezonans Sensörler**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Determination of capsaicinoids in chili peppers by soxhlet extraction-high performance liquid chromatography**
GÜNDÜZ S., TÜYSÜZ M., ÖZGÜR E., ARMUTCU ÇORMAN C., ÇORMAN M. E., UZUN L.
2. Euroasia Biochemical Approaches & Technologies, Antalya, Türkiye, 26 - 29 Ekim 2019
- II. **Cryogel-based phosphate imprinted column for phospho-amino acid preconcentration during proteomic analysis**
ARMUTCU ÇORMAN C., TARTAN Ç., ÖZGÜR E., NEMUTLU E., UZUN L.
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- III. **Effective RNA Purification via Adenine Decorated Cryogels**
KÖSE K., EROL K., ÖZGÜR E., UZUN L., DENİZLİ A.
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- IV. **Phenylalanine functionalized monolith coupled on-line with two-dimensional HPLC for simultaneous quantitative determination endocrine disruptors.**
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AFFINITY 2017, Paris, Fransa, 25 - 29 Haziran 2017
- V. **Phenylalanine functionalized monolith coupled on-line with two-dimensional HPLC for simultaneous quantitative determination endocrine disruptors.**
ARMUTCU ÇORMAN C., ÇORMAN M. E., ÖZGÜR E., BAYRAM E., UZUN L.
AFFINITY 2017, Paris, Fransa, 25 - 29 Haziran 2017
- VI. **Smart polymerisable terbium III complex based fluorescent MIP nanoparticles**
UZUN L., ÖZGÜR E., Patra H. K., Turner A. P.
Biosensors 2016, 25 - 27 Mayıs 2016
- VII. **Porous functional nanofilms for designing bioinspired sensor surfaces**
ÖZGÜR E., Parlak O., UZUN L., Beni V., Turner A. P.
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- VIII. **Microcontact imprinted surface plasmon resonance biosensor for rapid procalcitonin detection**
ŞENER G., ÖZGÜR E., Rad A. Y., UZUN L., SAY R., DENİZLİ A.
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Desteklenen Projeler

Armutcu Çorman C., Özgür E., Ünal M. A., Doğan Topal B., Uzun L., Çorman M. E., Özkan S. A., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Buğdayda Aflatoksin ve Deoksinivalenol İçin Senkron İmmünoassay Teknikleri Üzerine Araştırma, 2022 - 2025

ÖZGÜR E., UZUN L., Yükseköğretim Kurumları Destekli Proje, Karbondioksitin (CO₂) Biyolojik Dönüşümüne Yönelik Biyouyumlu Yapay Karbonik Anhidraz, 2019 - 2021

UZUN L., ÖZGÜR E., Yaman Y. T., Yükseköğretim Kurumları Destekli Proje, Seçici Paraben Tayini İçin Moleküler Basklanmış Elektrokimyasal Sensörlerin Geliştirilmesi, 2017 - 2018

ŞENEL S., ÖZGÜR E., UZUN L., Yükseköğretim Kurumları Destekli Proje, Nörofilament hafifi zinciri tayini için immunoafinite sensörün geliştirilmesi ve Parkinson tanısında kullanımının araştırılması, 2017 - 2017

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ÖZGÜR E., TÜBİTAK Projesi, Melatonin Basklanmış Floresan Nanopartiküllerin Tasarımı, Üretimi Ve Mevsimsel Duygusal Bozukluk Teşhisinde Kullanımının İncelenmesi, 2013 - 2014

Metrikler

Yayın: 59

Atf (WoS): 493

Atf (Scopus): 1377

H-İndeks (WoS): 11

H-İndeks (Scopus): 18

Akademi Dışı Deneyim

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