

Doç.Dr. ERDOĞAN ÖZGÜR

Kişisel Bilgiler

E-posta: erdoganozgur@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/erdoganozgur>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0003-2494-4244

Yoksis Araştırmacı ID: 126747

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

- Selective aptasensor for trinitrotoluene detection: Comparison of the detecting performances from liquid and vapor phases**
ARMUTCU ÇORMAN C., Karasu T., Pişkin S., ÖZGÜR E., UZUN L.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, cilt.676, 2023 (SCI-Expanded)
- Human periodontal ligament stem cells-derived exosomes-loaded hybrid hydrogel enhances the calvarial defect regeneration in middle-age rats**
Isik M., VARGEL İ., ÖZGÜR E., Cam S. B., KORKUSUZ P., EMREGÜL E., ODABAŞ S., DERKUŞ B.
Materials Today Communications, cilt.36, 2023 (SCI-Expanded)
- Molecular imprinted based microcryogels for thrombin purification**
Asena Özbek M., ÖZGÜR E., BERELİ N., DENİZLİ A.
Journal of chromatography. B, Analytical technologies in the biomedical and life sciences, cilt.1228, ss.123848, 2023 (SCI-Expanded)
- Highly Selective Benzo[a]Pyrene Detection Even under Competitive Conditions with Molecularly Imprinted Surface Plasmon Resonance Sensor**
Corman M. E., ARMUTCU ÇORMAN C., Karasu T., ÖZGÜR E., UZUN L.
POLYCYCLIC AROMATIC COMPOUNDS, cilt.43, sa.5, ss.3896-3909, 2023 (SCI-Expanded)
- Inspirations of Biomimetic Affinity Ligands: A Review**
TOPÇU A. A., Kilic S., ÖZGÜR E., TÜRKMEN D., DENİZLİ A.
ACS OMEGA, cilt.7, ss.32897-32907, 2022 (SCI-Expanded)

- VI. **Quartz Crystal Microbalance-Based Aptasensors for Medical Diagnosis**
AKGÖNÜLLÜ S., ÖZGÜR E., DENİZLİ A.
MICROMACHINES, cilt.13, sa.9, 2022 (SCI-Expanded)
- VII. **Diclofenac Imprinted Surface Plasmon Resonance (SPR) Based Sensor**
Caktu K., ÖZGÜR E., BERELİ N., DENİZLİ A.
CHEMISTRYSELECT, cilt.7, sa.18, 2022 (SCI-Expanded)
- VIII. **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.
FOOD CHEMISTRY, cilt.372, 2022 (SCI-Expanded)
- IX. **Recent Advances in Quartz Crystal Microbalance Biosensors Based on the Molecular Imprinting Technique for Disease-Related Biomarkers**
AKGÖNÜLLÜ S., ÖZGÜR E., DENİZLİ A.
CHEMOSENSORS, cilt.10, sa.3, 2022 (SCI-Expanded)
- X. **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.
ANALYTICA CHIMICA ACTA, cilt.1187, 2021 (SCI-Expanded)
- XI. **Artificial Carbonic Anhydrase via the Molecular Imprinting Approach for Carbon Dioxide Bioconversion**
ÖZGÜR E.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, cilt.60, sa.24, ss.8714-8719, 2021 (SCI-Expanded)
- XII. **Borate mineral loading into acrylic bone cements to gain cost-effectivity, enhanced antibacterial resistivity, and better cellular integration properties**
Kaplan M., ÖZGÜR E., ERSOY O., Kehribar L., İDİL N., UZUN L.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.32, sa.8, ss.980-993, 2021 (SCI-Expanded)
- XIII. **Bifunctional sharkskin mimicked chitosan/graphene oxide membranes: Reduced biofilm formation and improved cytocompatibility**
Rostami S., Puza F., Ucak M., ÖZGÜR E., GÜL Ö., ERCAN U. K., GARİPCAN B.
APPLIED SURFACE SCIENCE, cilt.544, 2021 (SCI-Expanded)
- XIV. **Interface imprinted polymers with well-oriented recognition sites for selective purification of hemoglobin**
ARMUTCU ÇORMAN C., ÖZGÜR E., ÇORMAN M. E., UZUN L.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.197, 2021 (SCI-Expanded)
- XV. **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.
CHEMISTRYSELECT, cilt.5, sa.38, ss.11730-11736, 2020 (SCI-Expanded)
- XVI. **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.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, cilt.59, sa.36, ss.16068-16076, 2020 (SCI-Expanded)
- XVII. **Immunoaffinity biosensor for neurofilament light chain detection and its use in Parkinson's diagnosis**
ÖZGÜR E., Uyanık H. U., Senel S., UZUN L.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, cilt.256, 2020 (SCI-Expanded)
- XVIII. **Molecularly imprinted polymer integrated plasmonic nanosensor for cocaine detection**
ÖZGÜR E., SAYLAN Y., BERELİ N., TÜRKMEN D., DENİZLİ A.
Journal of Biomaterials Science, Polymer Edition, cilt.31, sa.9, ss.1211-1222, 2020 (SCI-Expanded)
- XIX. **Surface plasmon resonance based biomimetic sensor for urinary tract infections**

- ÖZGÜR E., TOPÇU A. A., YILMAZ E., DENİZLİ A.
TALANTA, cilt.212, 2020 (SCI-Expanded)
- XX. **Molecular imprinted polymer based electrochemical sensor for selective detection of paraben**
Yucebas B. B., YAMAN Y. T., BOLAT G., ÖZGÜR E., UZUN L., ABACI S.
SENSORS AND ACTUATORS B-CHEMICAL, cilt.305, 2020 (SCI-Expanded)
- XXI. **Rapid Analysis of Polycyclic Aromatic Hydrocarbons in Water Samples Using an Automated On-line Two-Dimensional Liquid Chromatography**
Armutcu C., ÖZGÜR E., Karasu T., Bayram E., UZUN L., Corman M. E.
WATER AIR AND SOIL POLLUTION, cilt.230, sa.10, 2019 (SCI-Expanded)
- XXII. **Design and preparation of imprinted surface plasmon resonance (SPR) nanosensor for detection of Zn(II) ions**
Jalilzadeh M., ÇİMEN D., ÖZGÜR E., ESEN C., DENİZLİ A.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, cilt.56, sa.9, ss.877-886, 2019 (SCI-Expanded)
- XXIII. **A repertoire of biomedical applications of noble metal nanoparticles**
Azharuddin M., Zhu G. H., Das D., ÖZGÜR E., UZUN L., Turner A. P. F., Patra H. K.
CHEMICAL COMMUNICATIONS, cilt.55, sa.49, ss.6964-6996, 2019 (SCI-Expanded)
- XXIV. **Real time monitoring and label free creatinine detection with artificial receptors**
Topcu A. A., ÖZGÜR E., Yılmaz F., BERELİ N., DENİZLİ A.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, cilt.244, ss.6-11, 2019 (SCI-Expanded)
- XXV. **Quartz crystal microbalance based histidine sensor**
Sonmezler M., ÖZGÜR E., Yavuz H., DENİZLİ A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.47, sa.1, ss.221-227, 2019 (SCI-Expanded)
- XXVI. **Bioinspired design of a polymer-based biohybrid sensor interface**
ÖZGÜR E., Parlak O., Beni V., Turner A. P. F., UZUN L.
SENSORS AND ACTUATORS B-CHEMICAL, cilt.251, ss.674-682, 2017 (SCI-Expanded)
- XXVII. **Molecular Imprinting of Macromolecules for Sensor Applications**
SAYLAN Y., Yılmaz F., ÖZGÜR E., DERAZSHAMSHIR A., Yavuz H., DENİZLİ A.
SENSORS, cilt.17, sa.4, 2017 (SCI-Expanded)
- XXVIII. **Plastic antibody based surface plasmon resonance nanosensors for selective atrazine detection**
Yılmaz E., ÖZGÜR E., BERELİ N., TÜRKMEN D., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.73, ss.603-610, 2017 (SCI-Expanded)
- XXIX. **Microcontact imprinted quartz crystal microbalance nanosensor for protein C recognition**
Bakhshpour M., ÖZGÜR E., BERELİ N., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.151, ss.264-270, 2017 (SCI-Expanded)
- XXX. **Molecularly Imprinted Quartz Crystal Microbalance Sensor (QCM) for Bilirubin Detection**
ÇİÇEK Ç., YILMAZ F., ÖZGÜR E., Yavuz H., DENİZLİ A.
CHEMOSENSORS, cilt.4, sa.4, 2016 (SCI-Expanded)
- XXXI. **PolyAdenine cryogels for fast and effective RNA purification**
Kose K., Erol K., ÖZGÜR E., UZUN L., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.146, ss.678-686, 2016 (SCI-Expanded)
- XXXII. **Whole cell imprinting based Escherichia coli sensors: A study for SPR and QCM**
YILMAZ E., Majidi D., ÖZGÜR E., DENİZLİ A.
SENSORS AND ACTUATORS B-CHEMICAL, cilt.209, ss.714-721, 2015 (SCI-Expanded)
- XXXIII. **A New Molecular Imprinting-Based Mass-Sensitive Sensor for Real-Time Detection of 17 beta-Estradiol from Aqueous Solution**
Ozgur E., Yilmaz E., Sener G., UZUN L., Say R., DENİZLİ A.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, cilt.32, sa.4, ss.1164-1169, 2013 (SCI-Expanded)
- XXXIV. **Rapid real-time detection of procalcitonin using a microcontact imprinted surface plasmon**

resonance biosensor

ŞENER G., ÖZGÜR E., Rad A. Y., UZUN L., SAY R., DENİZLİ A.

ANALYST, cilt.138, sa.21, ss.6422-6428, 2013 (SCI-Expanded)

XXXV. **PHEMA cryogel for in-vitro removal of anti-dsDNA antibodies from SLE plasma**

ÖZGÜR E., BERELİ N., TÜRKMEN D., ÜNAL S., DENİZLİ A.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.31, sa.5, ss.915-920, 2011 (SCI-Expanded)

XXXVI. **Quartz crystal microbalance based nanosensor for lysozyme detection with lysozyme imprinted nanoparticles**

Sener G., Ozgur E., Yilmaz E., UZUN L., Say R., Denizli A.

BIOSENSORS & BIOELECTRONICS, cilt.26, sa.2, ss.815-821, 2010 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Progress in conducting polymers for biointerfacing and biorecognition applications**

Maziz A., ÖZGÜR E., Bergaud C., UZUN L.

SENSORS AND ACTUATORS REPORTS, cilt.3, 2021 (ESCI)

Kitap & Kitap Bölümleri

I. **Mass-sensitive based biosensors**

ÖZGÜR E., SAYLAN İNCİ Y., AKGÖNÜLLÜ S., DENİZLİ A.

Biosensors: Fundamentals, Emerging Technologies, and Applications, , Editör, CRC Press, ss.89-104, 2022

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.

Plasmonic Sensors and Their Applications, , Editör, WILEY-VCH GmbH, ss.171-188, 2022

IV. **Plasmonic Smart Nanosensors for the Determination of Environmental Pollutants**

SAYLAN Y., YILMAZ F., ÖZGÜR E., DERAZSHAMSHIR A., DENİZLİ A.

Emerging Carbon-Based Nanocomposites for Environmental Applications, Ajay Kumar Mishra Chaudhery Mustansar Hussain Shivani Bhardwaj Mishra, Editör, Scrivener Publishing / Wiley, ss.237-279, 2020

V. **Gold Nanoparticles and Molecular Imprinting Technique**

ÖZGÜR E., YILMAZ E., TOPÇU A. A., DENİZLİ A.

Molecular Imprinting, , Editör, Hacettepe University Press, ss.33-46, 2019

VI. **Molecularly Imprinted Nanomaterials: Applications in Biosensors and Biodiagnostics**

YILMAZ E., ÖZGÜR E., ÇİMEN D., DENİZLİ A.

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.

Nanotechnology Characterization Tools for Biosensing and Medical Diagnosis, Kumar, C.S.S.R., Editör, Springer Berlin Heidelberg, ss.425-458, 2018

VIII. **Yüzey Plazmon Rezonans Sensörler**

YILMAZ E., ÖZGÜR E., DENİZLİ A.

Afinite Temelli Biyosensörler, , Editör, Kukla, Ankara, ss.117-124, 2016

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Effective RNA Purification via Adenine Decorated Cryogels**
KÖSE K., EROL K., ÖZGÜR E., UZUN L., DENİZLİ A.
10th International Conference Structure and Stability of Biomacromolecules (SSB 2017), Koshice, Slovakia, 4 - 07 Eylül 2017
- II. **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
- III. **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
- IV. **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
- V. **Porous functional nanofilms for designing bioinspired sensor surfaces**
ÖZGÜR E., Parlak O., UZUN L., Beni V., Turner A. P.
Advanced Materials Wordl Congress 2015, 23 - 26 Ağustos 2015
- VI. **Microcontact imprinted surface plasmon resonance biosensor for rapid procalcitonin detection**
ŞENER G., ÖZGÜR E., Rad A. Y., UZUN L., SAY R., DENİZLİ A.
246th National Meeting of the American-Chemical-Society (ACS), Indiana, Amerika Birleşik Devletleri, 8 - 12 Eylül 2013, cilt.246

Desteklenen Projeler

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

UZUN L., ÖZGÜR E., Yaman Y. T., Yükseköğretim Kurumları Destekli Proje, Seçici Paraben Tayini İçin Moleküler Baskılanmış 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

UZUN L., ÖZGÜR E., Yükseköğretim Kurumları Destekli Proje, Biyoesinlenmiş Biyo-arayüzeylerin Biyosensör ve Kontrollü Salım Özelliklerinin İncelenmesi, 2016 - 2017

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

Metrikler

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H-İndeks (WoS): 11

H-İndeks (Scopus): 17