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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri, Kimya, Türkiye 2012 - 2017
Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri, Kimya, Türkiye 2009 - 2012
Lisans, Hacettepe Üniversitesi, Fen Fakültesi, Kimya, Türkiye 2003 - 2008

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Preparation of hemoglobin imprinted surface plasmon resonance biosensors, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, 2017
Yüksek Lisans, Boronat afinite kromatografisi için monolitik HPLC kolonları, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), 2012

Araştırma Alanları

Kimya, Biyokimya, Protein Kimyası, Temel Bilimler

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2020 - Devam Ediyor
Araştırma Görevlisi Dr., Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2017 - 2020
Araştırma Görevlisi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2010 - 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Nanomaterial-Based Sensors for Coumarin Detection**
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II. **Biosensing Platforms for Cardiac Biomarker Detection**
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VIII. **Aptamer-Based Point-of-Care Devices: Emerging Technologies and Integration of Computational Methods**
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IX. **A surface plasmon resonance sensor with synthetic receptors decorated on graphene oxide for selective detection of benzylpenicillin**
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X. **Recent Advances of Optical Sensors for Copper Ion Detection**
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XI. **Selective Amplification of Plasmonic Sensor Signal for Cortisol Detection Using Gold Nanoparticles**
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XIII. **Ion-Imprinted Polymer-on-a-Sensor for Copper Detection**
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XIV. **Recent Advances in Microneedle-Based Sensors for Sampling, Diagnosis and Monitoring of Chronic Diseases**
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XV. **A Snapshot of Microfluidics in Point-of-Care Diagnostics: Multifaceted Integrity with Materials and Sensors**
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XVII. **Magnetic bacterial cellulose nanofibers for nucleoside recognition**
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XX. **Advances in Molecularly Imprinted Systems: Materials, Characterization Methods and Analytical Applications**
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XXI. **Molecularly Imprinted Polymer-Based Microfluidic Systems for Point-of-Care Applications**
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XXII. **Detecting Fingerprints of Waterborne Bacteria on a Sensor**
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XXIII. **An Alternative Medical Diagnosis Method: Biosensors for Virus Detection**
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XXIV. **Molecularly Imprinted Polymer Based Sensors for Medical Applications**
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XXVII. **A Novel On-Chip Method for Differential Extraction of Sperm in Forensic Cases**
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SAYLAN Y., UZUN L., DENİZLİ A.
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XXXVI. **Monolithic Boronate Affinity Columns for IgG Separation**
SAYLAN Y., BERELİ N., UZUN L., DENİZLİ A.
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I. **Microfluidic-based molecularly imprinted polymers-integrated optic sensors**
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II. **Benchmarking Polymeric Cryogels for Immobilized Metal Affinity Chromatography**
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III. **Advances in Biomimetic Systems for Molecular Recognition and Biosensing**
SAYLAN Y., Erdem O., Inci F., DENİZLİ A.
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IV. **Supermacroporous Composite Cryogels in Biomedical Applications**
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I. **Mass-sensitive based biosensors**
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II. **Virus-Based Nanocarriers for Targeted Drug Delivery**
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IV. **Scaling up of biosensors for clinical applications and commercialization**
SAYLAN İNCİ Y., AKGÖNÜLLÜ S., BERELİ N., YAVUZ ALAGÖZ H., DENİZLİ A.
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V. **Nanosensors for smartphone-enabled sensing devices**
SAYLAN İNCİ Y., AKGÖNÜLLÜ S., ÖZGÜR E., DENİZLİ A.
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VI. **Nanosensors for smartphone-enabled sensing devices**
SAYLAN Y., AKGÖNÜLLÜ S., ÖZGÜR E., DENİZLİ A.
Nanotechnology-Based Smart Remote Sensing Networks for Disaster Prevention, , Editör, Elsevier, ss.85-104, 2022

VII. **Plasmonic Sensors for Detection of Chemical and Biological Warfare Agents**
AKGÖNÜLLÜ S., SAYLAN Y., BERELİ N., TÜRKMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.
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VIII. **Plasmonic Smart Nanosensors for the Determination of Environmental Pollutants**
SAYLAN Y., YILMAZ F., ÖZGÜR E., DERAZSHAMSHIR A., DENİZLİ A.
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IX. **Molecularly Imprinted Sensors for Detecting Controlled Release of Pesticides.**
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X. **MASS TRANSFER IN CRYOGELS**
BATTAL D., AKGÖNÜLLÜ S., ÇİMEN D., SAYLAN Y., ASLIYÜCE ÇOBAN S., DENİZLİ A.
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XI. **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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XII. **Surface plasmon resonance based nanosensors for detection of triazinic pesticides in agricultural foods**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Construction of hydrophobic nanoparticles based surface plasmon resonance biosensor for lysozyme detection**
SAYLAN Y., YILMAZ F., Derazshamshir A., DENİZLİ A.
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II. **Molecularly Imprinted Plasmonic Biosensors for Hemoglobin Detection**

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Desteklenen Projeler

GÖKTÜRK BAŞAL I., SAYLAN Y., YILMAZ F., Yükseköğretim Kurumları Destekli Proje, Kriyojeller ile Gıda Örneklerinden Seçici Olarak Kolesterol Uzaklaştırılması, 2018 - 2021
CİHANGİR N., Erdem Ö., SAYLAN Y., Yükseköğretim Kurumları Destekli Proje, Sularda Fekal Kirlilik Tayinine Yönelik Biyosensör Geliştirilmesi, 2019 - 2019
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SAYLAN İNCİ Y., GÖKTÜRK BAŞAL I., Yükseköğretim Kurumları Destekli Proje, Moleküler Baskılanmış Manyetik Bakteriyel Selüloz Nanofiberler ile Nükleozid Saflaştırılması, 2018 - 2019
CİHANGİR N., ERDEM Ö., SAYLAN Y., Yükseköğretim Kurumları Destekli Proje, Sularda Fekal Kirlilik Tayinine Yönelik Sensör Geliştirilmesi, 2017 - 2018
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DENİZLİ A., SAYLAN Y., Yükseköğretim Kurumları Destekli Proje, Hemoglobin Tayini için Moleküler Baskılanmış Plazmonik Biyosensörler, 2016 - 2017
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Metrikler

Yayın: 62
Atıf (WoS): 694
Atıf (Scopus): 951
H-İndeks (WoS): 14
H-İndeks (Scopus): 15

Akademi Dışı Deneyim

Harvard Üniversitesi
Stanford Üniversitesi