

Res. Asst. PhD DUYGU ÇİMEN

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri, Kimya Anabilim Dalı, Turkey 2011 - 2018

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 2009 - 2011

Undergraduate, Hacettepe Üniversitesi, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Bölümü, Turkey 2002 - 2008

Foreign Languages

German, B2 Upper Intermediate

Dissertations

Doctorate, Vitamin Tayini İçin Yüzey Plazmon Rezonans (SPR) Temelli Nanosensörlerin Hazırlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2018

Postgraduate, Sitokrom C Saflaştırılması İçin Süpermakrogözenekli İmmobilize Metal Afinite Kromatografi Adsorbenler, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2011

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2008 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Patulin Imprinted Nanoparticles Decorated Surface Plasmon Resonance Chips for Patulin Detection**
ÇİMEN D., BERELİ N., DENİZLİ A.
PHOTONIC SENSORS, 2021 (Journal Indexed in SCI)
- II. **Use of antimicrobial proteins of donkey milk as preservative agents in Kashar cheese production**
Ozturkoglu-Budak S., Akal H. C. , BERELİ N., ÇİMEN D., AKGÖNÜLLÜ S.
International Dairy Journal, vol.120, 2021 (Journal Indexed in SCI)
- III. **Injectable Cryogels in Biomedicine**
ÇİMEN D., Ozbek M. A. , BERELİ N., Mattiasson B., DENİZLİ A.

GELS, vol.7, no.2, 2021 (Journal Indexed in SCI)

- IV. **Optical Sensor-Based Molecular Imprinted Poly(Hydroxyethyl Methacrylate-N-Methacryloyl-(L)-Histidine Methyl ester) Thin Films for Determination of Tartrazine in Fruit Juice**
BERELİ N., ÇİMEN D., DENİZLİ A.
IEEE SENSORS JOURNAL, vol.21, no.12, pp.13215-13222, 2021 (Journal Indexed in SCI)
- V. **Surface Plasmon Resonance Based on Molecularly Imprinted Polymeric Film for L-Phenylalanine Detection**
ÇİMEN D., BERELİ N., DENİZLİ A.
BIOSENSORS-BASEL, vol.11, no.1, 2021 (Journal Indexed in SCI)
- VI. **Detection of amoxicillin residues in egg extract with a molecularly imprinted polymer on gold microchip using surface plasmon resonance and quartz crystal microbalance methods**
BERELİ N., ÇİMEN D., Huseynli S., DENİZLİ A.
JOURNAL OF FOOD SCIENCE, vol.85, pp.4152-4160, 2020 (Journal Indexed in SCI)
- VII. **Detection of cardiac troponin-I by optic biosensors with immobilized anti-cardiac troponin-I monoclonal antibody**
ÇİMEN D., BERELİ N., Gunaydin S., DENİZLİ A.
TALANTA, vol.219, 2020 (Journal Indexed in SCI)
- VIII. **Metal-chelated magnetic nanoparticles for protein C purification**
ÇİMEN D., BERELİ N., DENİZLİ A.
SEPARATION SCIENCE AND TECHNOLOGY, vol.55, no.13, pp.2259-2268, 2020 (Journal Indexed in SCI)
- IX. **Adenosine-imprinted magnetic core-shell polyvinylbutyral microbeads for quantification of adenosine in plasma**
Jalilzadeh M., ÇİMEN D., DENİZLİ A.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1147, 2020 (Journal Indexed in SCI)
- X. **Surface Plasmon Resonance Nanosensors for Detecting Amoxicillin in Milk Samples with Amoxicillin Imprinted Poly(hydroxyethyl methacrylate-N-methacryloyl-(L)- glutamic acid)**
Faalnouri S., ÇİMEN D., BERELİ N., DENİZLİ A.
CHEMISTRYSELECT, vol.5, no.15, pp.4761-4769, 2020 (Journal Indexed in SCI)
- XI. **Development of Rapid, Sensitive, and Effective Plasmonic Nanosensor for the Detection of Vitamins in Infant Formula and Milk Samples**
ÇİMEN D., DENİZLİ A.
PHOTONIC SENSORS, 2020 (Journal Indexed in SCI)
- XII. **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, vol.56, no.9, pp.877-886, 2019 (Journal Indexed in SCI)
- XIII. **Cholesterol removal from human plasma with biologically modified cryogels**
Uzunoglu G., ÇİMEN D., BERELİ N., Cetin K., DENİZLİ A.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.30, no.14, pp.1276-1290, 2019 (Journal Indexed in SCI)
- XIV. **Molecularly imprinted polymer based quartz crystal microbalance sensor for the clinical detection of insulin**
KARTAL F., ÇİMEN D., BERELİ N., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.97, pp.730-737, 2019 (Journal Indexed in SCI)
- XV. **A Novel On-Chip Method for Differential Extraction of Sperm in Forensic Cases**
Inci F., Ozen M. O. , Saylan Y., Miansari M., Cimen D., Dhara R., Chinnasamy T., Yuksekkaya M., Filippini C., Kumar D. K. , et al.
ADVANCED SCIENCE, vol.5, no.9, 2018 (Journal Indexed in SCI)

- XVI. **Development of surface plasmon resonance sensors based on molecularly imprinted nanofilms for sensitive and selective detection of pesticides**
SAYLAN Y., AKGONULLU S., ÇİMEN D., DERAZSHAMSHIR A., BERELİ N., Yılmaz F., DENİZLİ A.
SENSORS AND ACTUATORS B-CHEMICAL, vol.241, pp.446-454, 2017 (Journal Indexed in SCI)
- XVII. **Removal of iron by chelation with molecularly imprinted supermacroporous cryogel.**
ÇİMEN D., Göktürk I., YILMAZ F.
Artificial cells, nanomedicine, and biotechnology, vol.44, pp.1158-66, 2016 (Journal Indexed in SCI Expanded)
- XVIII. **Poly-(L)-histidine immobilized cryogels for lysozyme purification**
ÇİMEN D., Tuerkmen D., DENİZLİ A.
Adsorption Science and Technology, vol.34, pp.469-487, 2016 (Journal Indexed in SCI Expanded)
- XIX. **Poly-L-Histidine Attached Poly(glycidyl methacrylate) Cryogels for Heavy Metal Removal**
ÇİMEN D., TÜRKMEN D., DENİZLİ A.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.52, no.9, pp.724-731, 2015 (Journal Indexed in SCI)
- XX. **Dye affinity cryogels for plasmid DNA purification**
ÇİMEN D., YILMAZ F., Perçin I., TÜRKMEN D., DENİZLİ A.
Materials Science and Engineering C, vol.56, pp.318-324, 2015 (Journal Indexed in SCI)
- XXI. **Enantioseparation of aromatic amino acids using CEC monolith with novel chiral selector, N-methacryloyl-L-histidine methyl ester**
Aydoğan C., Yılmaz F., ÇİMEN D., UZUN L., DENİZLİ A.
ELECTROPHORESIS, vol.34, no.13, pp.1908-1914, 2013 (Journal Indexed in SCI)
- XXII. **Immobilized metal affinity monolithic cryogels for cytochrome c purification**
ÇİMEN D., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.93, pp.29-35, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Molecular Imprinted Based Quartz Crystal Microbalance Nanosensors for Mercury Detection**
Hüseyinli S., ÇİMEN D., BERELİ N., DENİZLİ A.
GLOBAL CHALLENGES, vol.3, no.3, 2019 (Journal Indexed in ESCI)
- II. **Oral Chelation Therapy for Cadmium Poisoning with Cd(II)- MAC Imprinted PHEMAC Nanoparticles**
Jalilzadeh M., ÇİMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.
Hacettepe Jour, no.46, pp.505-514, 2018 (National Refreed University Journal)
- III. **Molecularly imprinted cryogel columns for Concanavalin A purification from jack bean extract**
ÇİMEN D., BERELİ N., Andac M., DENİZLİ A.
SEPARATION SCIENCE PLUS, vol.1, no.6, pp.454-463, 2018 (Journal Indexed in ESCI)
- IV. **Bovine Serum Albumin Adsorption by Dye Derived Poly(hydroxyethyl methacrylate) [PHEMA] Membranes**
ÇİMEN D., YILMAZ F.
Hacettepe J. Biol. & Chem, vol.43, no.3, pp.213-223, 2015 (National Refreed University Journal)
- V. **Study on an Hydrophilic Interaction Electrochromatography Method for Separation of Sulfonamide Antibiotics**
AYDOĞAN C., YILMAZ F., ÇİMEN D., ANDAÇ ÖZDİL A. M. , SHAIKH H., DENİZLİ A.
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.42, pp.443-450, 2014 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **MASS TRANSFER IN CRYOGELS**

BATTAL D., AKGÖNÜLLÜ S., ÇİMEN D., SAYLAN Y., ASLIYÜCE ÇOBAN S., DENİZLİ A.

in: CRYOGELS AND MONOLITHS, MATTIASSON B., DENİZLİ A., Editor, PALME DİZGİ-GRAFİK BİRİMİ, Ankara, pp.181-188, 2019

II. Surface plasmon resonance based nanosensors for detection of triazinic pesticides in agricultural foods

YILMAZ F., SAYLAN Y., AKGÖNÜLLÜ S., ÇİMEN D., DERAZSHAMSHİR A., BERELİ N., DENİZLİ A.

in: New Pesticides and Soil Sensors, Alexandru Mihai Grumezescu, Editor, Academic Press, pp.679-718, 2017

Supported Projects

DENİZLİ A., BERELİ N., ÇİMEN D., Project Supported by Higher Education Institutions, İçeceklerde Bulunan Gıda Boyar Maddelerin Tayinine Yönelik Sensörlerin Hazırlanması, 2018 - 2019

ÇİMEN D., DENİZLİ A., BERELİ N., Project Supported by Higher Education Institutions, Hayvansal Gıdalarda Testosteron Tayinine Yönelik Yüze Plazmon Rezonans (SPR) Biosensörlerin Hazırlanması, 2018 - 2019

BERELİ N., DENİZLİ A., ÇİMEN D., Project Supported by Higher Education Institutions, RİBOFLAVİN VİTAMİN B2 TAYİNİ İÇİN YÜZEY PLAZMON REZONANS SPR TEMELLİ NANOSENSÖRLERİN HAZIRLANMASI, 2015 - 2017

BERELİ N., YILMAZ E., KARTAL F., ÇİMEN D., Project Supported by Higher Education Institutions, İnsülin Tayinine Yönelik Kuartz Kristal Mikrobals (QCM) Biyosensörlerin Hazırlanması, 2015 - 2016

ÇİMEN D., Project Supported by Higher Education Institutions, PROTEİN C SAFLAŞTIRILMASI İÇİN MANYETİK NANOPARTİKÜLLER, 2015 - 2015

BERELİ N., DENİZLİ A., ÇİMEN D., Project Supported by Higher Education Institutions, PROTEİN C SAFLAŞTIRILMASI İÇİN MANYETİK NANOPARTİKÜLLER, 2015 - 2015

Citations

Total Citations (WOS):168

h-index (WOS):6