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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 2012 - 2017

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Anabilimdalı, Turkey 2009 - 2012

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2003 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, OKRATOKSİN A TAYINI İÇİN MONOLİTİK AFİNİTE KOLONLARININ HAZIRLANMASI VE İKİ-BOYUTLU HPLC SİSTEMİNDE ÇEVİRİMİÇİ ANALİZLERİN İNCELENMESİ, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, 2017

Postgraduate, Glikoprotein ayrılması için monolitik sıvı kromatografisi kolonlarının hazırlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2011

Research Areas

Life Sciences, Biochemistry, Biomolecules, Molecular Biochemistry, Biotechnology, Biomaterial, Biosensor, Environmental Biology, Environmental Pollution, Molecular Biology and Genetics, Genetic Engineering, Genomics, Chemistry, Biochemistry, Amino Acids, Protein Chemistry, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2011 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Designing of ZnO nanoparticles oriented interface imprinted electrochemical sensor for fluoxetine detection**
Emin Çorman M., Cetinkaya A., Armutcu C., UZUN L., ÖZKAN S. A.
Bioelectrochemistry, vol.152, 2023 (SCI-Expanded)
- II. **The effects of four different solvent vapours on the restoration of obliterated stamp markings from five different wooden surfaces**
UYSAL S., Yildiz E., Armutcu C., Saribey A. Y., UZUN L.
Science and Justice, vol.63, no.3, pp.364-368, 2023 (SCI-Expanded)
- III. **Upconversion nanoparticles as an immunocomplexing agent for selective detection of caspases via sandwich-like supracomplexes**
Akçapınar R., Armutcu C., UZUN L.
Colloids and Surfaces B: Biointerfaces, vol.221, 2023 (SCI-Expanded)
- IV. **A sensitive and selective electrochemical sensor based on molecularly imprinted polymer for the assay of teriflunomide**
corman M. E., Cetinkaya A., ARMUTCU ÇORMAN C., Atici E. B., UZUN L., ÖZKAN S. A.
TALANTA, vol.249, 2022 (SCI-Expanded)
- V. **Electrochemical chiral sensor based on molecularly imprinted polymer for determination of (1S,2S)-pseudoephedrine in dosage forms and biological sample**
KARADURMUŞ L., ÖZÇELİKAY G., ARMUTCU ÇORMAN C., ÖZKAN S. A.
MICROCHEMICAL JOURNAL, vol.181, 2022 (SCI-Expanded)
- VI. **Molecularly imprinted polymer film based plasmonic sensors for detection of ochratoxin A in dried fig**
AKGÖNÜLLÜ S., ARMUTCU ÇORMAN C., DENİZLİ A.
POLYMER BULLETIN, vol.79, no.6, pp.4049-4067, 2022 (SCI-Expanded)
- VII. **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, 2022 (SCI-Expanded)
- VIII. **The investigation of parameters affecting Ibrutinib release from chitosan/ tripolyphosphate/carbon nanofiber composite microspheres**
ARMUTCU ÇORMAN C.
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.5, pp.1632-1641, 2022 (SCI-Expanded)
- IX. **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., ÖZÇELİKAY G., ARMUTCU ÇORMAN C., ÖZKAN S. A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.169, no.1, 2022 (SCI-Expanded)
- X. **A spectroscopic approach for rapid and simple serial number restoration on polyamide 6 parts of firearms: The use of video spectral comparator 8000**
Uysal S., ARMUTCU ÇORMAN C., Mercan M., UZUN L.
JOURNAL OF FORENSIC SCIENCES, vol.66, no.6, pp.2381-2386, 2021 (SCI-Expanded)
- XI. **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, vol.197, 2021 (SCI-Expanded)
- XII. **Purification of Fab and Fc using papain immobilized cryogel bioreactor separator system**
ARMUTCU ÇORMAN C., ÇORMAN M. E., Bayram E., UZUN L.
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1158, 2020 (SCI-Expanded)
- XIII. **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, vol.5, no.38, pp.11730-11736, 2020 (SCI-Expanded)

- XIV. **Histidine-epoxy-activated sepharose beads embedded poly (2-hydroxyethyl methacrylate) cryogels for pseudobiospecific adsorption of human immunoglobulin G**
Corman M. E., Armutcu C., BERELİ N., Elkak A.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.54, no.12, pp.915-922, 2017 (SCI-Expanded)
- XV. **Rapid, efficient and selective preconcentration of benzo[a]pyrene (BaP) by molecularly imprinted composite cartridge and HPLC**
ÇORMAN M. E., Armutcu C., UZUN L., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.70, pp.41-53, 2017 (SCI-Expanded)
- XVI. **Reversible and easy post-crosslinking method for developing a surface ion-imprinted hypercrosslinked monolith for specific Cd(II) ion removal from aqueous solutions**
CORMAN M. E., Armutcu C., UZUN L., Say R., DENİZLİ A.
RSC ADVANCES, vol.6, no.91, pp.88777-88787, 2016 (SCI-Expanded)
- XVII. **Synthesis of L-lysine imprinted cryogels for immunoglobulin G adsorption**
CULHA S., Armutcu C., UZUN L., ŞENEL S., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.52, pp.315-324, 2015 (SCI-Expanded)
- XVIII. **Polyglycidyl methacrylate based immunoaffinity cryogels for insulin adsorption**
MEMMEDOVA T., Armutcu C., UZUN L., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.52, pp.178-185, 2015 (SCI-Expanded)
- XIX. **Molecularly imprinted cryogel cartridges for the specific filtration and rapid separation of interferon alpha**
Corman M. E., Armutcu C., Ozkara S., UZUN L., DENİZLİ A.
RSC ADVANCES, vol.5, no.56, pp.45015-45026, 2015 (SCI-Expanded)
- XX. **Self-oriented nanoparticles for site-selective immunoglobulin G recognition via epitope imprinting approach**
CORMAN M. E., Armutcu C., UZUN L., Say R., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.123, pp.831-837, 2014 (SCI-Expanded)
- XXI. **Aspartic acid incorporated monolithic columns for affinity glycoprotein purification**
Armutcu C., BERELİ N., Bayram E., UZUN L., Say R., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.114, pp.67-74, 2014 (SCI-Expanded)
- XXII. **Simultaneous depletion of immunoglobulin G and albumin from human plasma using novel monolithic cryogel columns**
UZUN L., Armutcu C., Bicen O., Ersoz A., Say R., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.112, pp.1-8, 2013 (SCI-Expanded)
- XXIII. **Antibody Purification from Human Plasma by Metal-Chelated Affinity Membranes**
Yavuz H., BERELİ N., Armutcu C., Yilmaz F., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.123, no.6, pp.3476-3484, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis and characterization of stimuli-responsive hydrogels: evaluation of external stimuli influence on L929 fibroblast viability**
Karasu T., Erkok-Biradli F. Z., ozturk-oncel M. o., ARMUTCU ÇORMAN C., UZUN L., GARİPCAN B., Corman M. E.
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol.8, no.5, 2022 (ESCI)

Books & Book Chapters

- I. **Temel ve Klinik Biyokimyanın İlkeleri**
YALÇINKAYA A., ÇİÇEK Ç., ARMUTCU ÇORMAN C., ÖZCAN M., ÇAKIR AKTAŞ C., GÖK M.
Dünya Tıp Kitabevi, Ankara, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Separation and determination of Ochratoxin A in food using affinity monolithic column coupled with two-dimensional HPLC system**
ARMUTCU ÇORMAN C., ÇORMAN M. E., UZUN L., DENİZLİ A.
31st EFFoST, Sitges, Spain, 13 - 16 November 2017
- II. **Hemoglobin A1c Ayrılması İçin Monolitik HPLC Kolonlar**
BAYRAM E., ARMUTCU ÇORMAN C., ÇORMAN M. E., TABAK A., UZUN L., DENİZLİ A.
XVII. Kromatografi Kongresi, Çorum, Turkey, 20 - 22 September 2017
- III. **An automated on-line two-dimensional heart-cutting liquid chromatography for the direct analysis of PAHs in tea and coffee**
ÇORMAN M. E., ARMUTCU ÇORMAN C., BAYRAM E., UZUN L.
XVII. Kromatografi Kongresi, Çorum, Turkey, 20 - 22 September 2017
- IV. **Hemoglobin A1c Ayrılması İçin Monolitik HPLC Kolonlar**
BAYRAM E., ARMUTCU ÇORMAN C., ÇORMAN M. E., TABAK A., UZUN L., DENİZLİ A.
XVII. Kromatografi Kongresi, Çorum, Turkey, 20 - 22 September 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, France, 25 - 29 June 2017
- VI. **L-Phenylalanine incorporated monolithic columns for affinity ochratoxin A determination**
ÇORMAN M. E., ARMUTCU ÇORMAN C., UZUN L., DENİZLİ A.
AFFINITY 2017, Paris, France, 25 - 29 June 2017
- VII. **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, France, 25 - 29 June 2017
- VIII. **Mikrokirleticilerin İki-Boyutlu HPLC Sistemiyle Tek Aşamada Tayini**
ÇORMAN M. E., ARMUTCU ÇORMAN C., BAYRAM E., UZUN L.
11. Ulusal Afinitive Teknikleri Kongresi, Aydın, Turkey, 15 - 17 June 2017
- IX. **Rapid Analysis of Polycyclic Aromatic Hydrocarbons in Aqueous Solutions by Two Dimensional HPLC System Using Monolithic Column**
ÇORMAN M. E., ARMUTCU ÇORMAN C., Bayram E., UZUN L.
6th International IUPAC Conference on Green Chemistry, 4 - 08 September 2016
- X. **Molecularly imprinted cryogel cartridges for specific filtration and rapid separation of interferon alpha**
ARMUTCU C., ÇORMAN M. E., ÖZKARA YAVUZ S., UZUN L., DENİZLİ A.
Advanced Materials World Congress 2015, 23 - 26 August 2015

Supported Projects

ARMUTCU ÇORMAN C., UZUN L., ÇORMAN M. E., Project Supported by Higher Education Institutions, Kriyojel Temelli Biyoreaktörlerin Tasarımı ve Protein Degredasyon Veriminin İncelenmesi, 2018 - 2019

DENİZLİ A., ARMUTCU ÇORMAN C., Project Supported by Higher Education Institutions, Gıdalardaki Okratoksin Annın Ayırılması ve Tayininde Afinite Monolitik Kolon Bağlı İki Boyutlu HPLC Sisteminin Kullanılması, 2017 - 2017
DENİZLİ A., ARMUTCU ÇORMAN C., Project Supported by Higher Education Institutions, Endokrin bozucuların eş zamanlı kantitatif tayini için iki boyutlu HPLC ile online bağlanmış Fenilalanin fonksiyonel monolit, 2017 - 2017
DENİZLİ A., ARMUTCU C., Project Supported by Higher Education Institutions, Monolitik kolon kullanarak iki boyutlu HPLC sistemi ile sulu çözeltilerde Polisiklik Aromatik Hidrokarbonların Hızlı Analizi, 2016 - 2016
ARMUTCU ÇORMAN C., TUBITAK Project, Okratoksin A Tayini İçin Monolitik Afinite Kolonlarının Hazırlanması ve İki Boyutlu Hplc Sisteminde Çevrimiçi Analizlerin İncelenmesi, 2014 - 2016
ARMUTCU ÇORMAN C., Project Supported by Higher Education Institutions, İnterferon Alfanın Hızlı Ayırımı ve Spesifik Filtrasyonu için Moleküler Baskılanmış Kriyojel Kartuşlar, 2015 - 2015

Metrics

Publication: 35

Citation (WoS): 110

Citation (Scopus): 120

H-Index (WoS): 8

H-Index (Scopus): 7