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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2000 - 2003

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1997 - 1999

Undergraduate, Anadolu University, Faculty Of Arts And Sciences, Kimya Pr., Turkey 1993 - 1997

Dissertations

Doctorate, Eser miktardaki metallerin moleküler baskılı polimerler kullanılarak değiştirilmesi ve alev atomik absorpsiyonu ile analizi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2003

Postgraduate, Kırka tinkalinin özelliklerinin belirlenmesi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1999

Research Areas

Adsorption Spectroscopy, Atomic and Molecular Spectroscopy, Separation Methods, Bioanalytical Methods, Electromagnetic Methods, Emission Spectroscopy, Food Analysis, gravimetry, Sensors

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2015 - Continues

Associate Professor, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2010 - 2015

Assistant Professor, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2008 - 2010

Research Assistant, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 1999 - 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new potentiometric platform: Antibody cross-linked graphene oxide potentiometric immunosensor for clenbuterol determination**
BİRLİK ÖZKÜTÜK E., ERSÖZ A., Ugurag D., Yilmaz F., SAY R.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.68, no.6, pp.1153-1158, 2021 (SCI-Expanded)
- II. **Phosphate-imprinted polymer as an efficient modifier for the design of ion-selective electrode**

BİRLİK ÖZKÜTÜK E., YILDIZ B., Gündüz M., HÜR E.

JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.96, no.9, pp.2604-2609, 2021 (SCI-Expanded)

- III. **Development of potentiometric biosensor for diagnosis of prostate cancer**
Altunkok N., Unluer O. B., BİRLİK ÖZKÜTÜK E., ERSÖZ A.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.263, 2021 (SCI-Expanded)
- IV. **Graphenoxide Cross-Linker Based Potentiometric Biosensor Design for Sarcosine Determination**
Unluer O. B., Altunkok N., Ozkutuk E., Ersoz A.
PROTEIN AND PEPTIDE LETTERS, vol.28, no.11, pp.1303-1311, 2021 (SCI-Expanded)
- V. **Methacryloyloxycalix[4]arene based ion imprinted polymer as Ag(I) potentiometric sensor**
ŞENER İ., Avci S., Ugurag D., BİRLİK ÖZKÜTÜK E.
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.57, no.3, pp.444-448, 2018 (SCI-Expanded)
- VI. **Synergistic thallium and iodine memory-based cryogel traps for removing thallium and iodine ions**
BİRLİK ÖZKÜTÜK E., Emekli Y., Ugurag D., HÜR D., Ersoz A., SAY R.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.314, no.3, pp.2229-2236, 2017 (SCI-Expanded)
- VII. **Potentiometric sensor fabrication having 2D sarcosine memories and analytical features**
BİRLİK ÖZKÜTÜK E., EMİR DİLTEMİZ S., Avci S., Ugurag D., Aykanat R. B., Ersoz A., SAY R.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.69, pp.231-235, 2016 (SCI-Expanded)
- VIII. **Determination of Clenbuterol by Multiwalled Carbon Nanotube Potentiometric Sensors**
BİRLİK ÖZKÜTÜK E., Ugurag D., Ersoz A., SAY R.
ANALYTICAL LETTERS, vol.49, no.6, pp.778-789, 2016 (SCI-Expanded)
- IX. **Biopolymer based ion imprinting cryogel traps for the removal of Tl(I)**
Cankara S., BİRLİK ÖZKÜTÜK E., Ozturk O., Ersoz A., SAY R.
SEPARATION SCIENCE AND TECHNOLOGY, vol.51, no.6, pp.901-908, 2016 (SCI-Expanded)
- X. **Double-imprinted potentiometric sensors based on ligand exchange for the determination of dimethoate**
Bektasoglu E., BİRLİK ÖZKÜTÜK E., Ersoz A., SAY R.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.32, no.8, pp.1613-1617, 2015 (SCI-Expanded)
- XI. **Ligand exchange and MIP-based paraoxon memories onto QCM sensor**
BİRLİK ÖZKÜTÜK E., EMİR DİLTEMİZ S., Ozalp E., UZUN L., Ersoz A.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.119, no.1, pp.351-357, 2015 (SCI-Expanded)
- XII. **Nano anti-tumor necrosis factor-alpha based potentiometric sensor for tumor necrosis factor-alpha detection**
Say R., BİRLİK ÖZKÜTÜK E., ÜNLÜER Ö., Ugurag D., Ersoz A.
SENSORS AND ACTUATORS B-CHEMICAL, vol.209, pp.864-869, 2015 (SCI-Expanded)
- XIII. **Development of New Molecular Imprinted Solid Phase Extraction Material for Dimethoate**
Bektasoglu E., BİRLİK ÖZKÜTÜK E., Ersoz A., SAY R.
SPECTROSCOPY LETTERS, vol.47, no.3, pp.168-176, 2014 (SCI-Expanded)
- XIV. **Silan based paraoxon memories onto QCM electrodes**
BİRLİK ÖZKÜTÜK E., EMİR DİLTEMİZ S., Ozalp E., Ersoz A., SAY R.
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.19, no.6, pp.1788-1792, 2013 (SCI-Expanded)
- XV. **Paraoxon imprinted biopolymer based QCM sensor**
BİRLİK ÖZKÜTÜK E., EMİR DİLTEMİZ S., Ozalp E., Gedikbey T., Ersoz A.
MATERIALS CHEMISTRY AND PHYSICS, vol.139, no.1, pp.107-112, 2013 (SCI-Expanded)
- XVI. **Ligand exchange based paraoxon imprinted QCM sensor**
BİRLİK ÖZKÜTÜK E., Dilerniz S. E., Ozalp E., SAY R., Ersoz A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.33, no.2, pp.938-942, 2013 (SCI-Expanded)
- XVII. **Thiocyanate separation by imprinted polymeric systems**

- BİRLİK ÖZKÜTÜK E., Özalp E., Ersoz A., Acikkalp E., SAY R.
MICROCHIMICA ACTA, vol.169, pp.129-135, 2010 (SCI-Expanded)
- XVIII. **Preconcentration of phosphate ion onto ion-imprinted polymer**
BİRLİK ÖZKÜTÜK E., Ersoz A., DENİZLİ A., SAY R.
JOURNAL OF HAZARDOUS MATERIALS, vol.157, no.1, pp.130-136, 2008 (SCI-Expanded)
- XIX. **Removal of mercury species with dithiocarbamate-anchored polymer/organosmectite composites**
SAY R., BİRLİK ÖZKÜTÜK E., Erdemgil Z., DENİZLİ A., Ersoz A.
JOURNAL OF HAZARDOUS MATERIALS, vol.150, no.3, pp.560-564, 2008 (SCI-Expanded)
- XX. **Cr(III)-imprinted polymeric beads: Sorption and preconcentration studies**
Birlik E., Ersoz A., Acikkalp E., Denizli A., Say R.
JOURNAL OF HAZARDOUS MATERIALS, vol.140, pp.110-116, 2007 (SCI-Expanded)
- XXI. **Preconcentration of copper using double-imprinted polymer via solid phase extraction**
Birlik E., Ersoz A., Denizli A., Say R.
ANALYTICA CHIMICA ACTA, vol.565, no.2, pp.145-151, 2006 (SCI-Expanded)
- XXII. **Removal of heavy metal ions by dithiocarbamate-anchored polymer/organosmectite composites**
Say R., Birlik E., Denizli A., Ersoz A.
APPLIED CLAY SCIENCE, vol.31, pp.298-305, 2006 (SCI-Expanded)
- XXIII. **Selective separation of thorium using ion imprinted chitosan-phthalate particles via solid phase extraction**
Birlik E., Buyuktiryaki S., Ersoz A., Denizli A., Say R.
SEPARATION SCIENCE AND TECHNOLOGY, vol.41, no.14, pp.3109-3121, 2006 (SCI-Expanded)
- XXIV. **Selective preconcentration of thorium in the presence Of UO₂²⁺, Ce³⁺ and La³⁺ using Th(IV)-imprinted polymer**
Buyuktiryaki S., Say R., Ersoz A., Birlik E., Denizli A.
TALANTA, vol.67, no.3, pp.640-645, 2005 (SCI-Expanded)
- XXV. **Preconcentration of copper on ion-selective imprinted polymer microbeads**
Say R., Birlik E., Ersoz A., Yilmaz F., Gedikbey T., Denizli A.
ANALYTICA CHIMICA ACTA, vol.480, no.2, pp.251-258, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Selective Removal of Cd II Using Double Imprinted Polymer From Synthetic Water**
BİRLİK ÖZKÜTÜK E.
Anadolu University of Science and Technology, vol.16, no.1, pp.15-22, 2015 (Peer-Reviewed Journal)
- II. **Selective Solid-Phase Extraction of Cd(II) Using Double Imprinting Strategy**
BİRLİK ÖZKÜTÜK E., Özalp E., Isler G., EMİR DİLTEMİZ S., Ersoz A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.1, pp.19-26, 2010 (ESCI)
- III. **Selective Separation of Thiocyanate Ion By Ion Imprinted Polymer**
BİRLİK ÖZKÜTÜK E., Özalp E., Atlı Özcan A., EMİR DİLTEMİZ S.
Hacettepe Journal of Biology and Chemistry, vol.37, no.3, pp.207-215, 2009 (Peer-Reviewed Journal)
- IV. **Selective Solid Phase Extraction of Cd II Using Double İmprinting Strategy**
BİRLİK ÖZKÜTÜK E., Özalp E., İşler G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.1, pp.19-26, 2009 (Scopus)
- V. **Fe₃ Imprinted Polymeric Systems**
BİRLİK ÖZKÜTÜK E., KARABÖRK M.
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.35, no.3, pp.195-202, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

I. Kantitatif Analiz Laboratuvar Kitabı

Gedikbey T., Akar S., Birlik Özkütük E., Güray T., Sayın F.
ESOGÜ Basımevi, Eskişehir, 2023

II. Kalitatif Analiz Laboratuvar Kitabı

Gedikbey T., Akar S., Birlik Özkütük E., Güray T., Sayın F.
ESOGÜ Basımevi, Eskişehir, 2023

Metrics

Publication: 67

Citation (WoS): 900

Citation (Scopus): 953

H-Index (WoS): 13

H-Index (Scopus): 13

Non Academic Experience

ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ

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