

Assoc. Prof. ÖZCAN YALÇINKAYA

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2005 - 2010

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Kimya Pr., Turkey 1997 - 2001

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Bazı eser elementlerin alüminyum oksit/tek duvarlı karbon nanotüp ve zirkonyum oksit/bor oksit nano malzemeleri kullanılarak katı faz özütleme tekniği ile zenginleştirilmesi ve tayini?, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2010

Postgraduate, Askorbik asit (C vitamini), iyodür ve tüyosülfatın alevli atomik absorpsiyon spektrometresi ile dolaylı yöntemle tayini, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2005

Research Areas

Chemistry, Analytical Chemistry, Natural Sciences

Academic Titles / Tasks

Associate Professor, Gazi University, Fen Fakültesi, Kimya, 2014 - Continues

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 2002 - 2014

Courses

İş Sağlığı ve Güvenliği II, Undergraduate, 2019 - 2020

İş sağlığı ve güvenliği I, Undergraduate, 2019 - 2020

Advising Theses

YALÇINKAYA Ö., Validation Of Heavy Metal Determination By Icp-Ms In Wastewater, Postgraduate, O.TANER(Student), 2019

YALÇINKAYA Ö., Saç boyalarında ve boyanmış saç örneklerinde ağır metal tayini, Postgraduate, İ.ERGİN(Student), 2019
YALÇINKAYA Ö., Preconcentration And Determination Of Cobalt(I) Using Dispersive Liquid Liquid Micro Extraction With Flame Atomic Absorption Spectrometry Detection, Postgraduate, E.TURAN(Student), 2018

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

- I. **Speciation of inorganic selenium by solid phase extraction using nanozirconium oxide/boron oxide composite material**
Erdogan H., YALÇINKAYA Ö., Turker A. R.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.5, pp.772-783, 2016 (Journal Indexed in SCI)
- II. **High-resolution continuum source flame atomic absorption spectrometric (HR-CS FAAS) determination of trace aluminium and lead in water and some beverage samples after separation and preconcentration procedure**
ÇİFTÇİ H., Er C., YALÇINKAYA Ö., TEMÜZ M. M. , Turker A. R.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.94, no.6, pp.579-593, 2014 (Journal Indexed in SCI)
- III. **Solid Phase Extraction of Pb(II) in Water Samples on Amberlyst 36 and Determination of the Equilibrium, Kinetic and Thermodynamic Parameters of the Adsorption**
Tunceli A., YALÇINKAYA Ö., Turker A. R.
CURRENT ANALYTICAL CHEMISTRY, vol.9, no.3, pp.513-521, 2013 (Journal Indexed in SCI)
- IV. **Preconcentration, Speciation, and Determination of Mercury by Solid Phase Extraction with Cold Vapor Atomic Absorption Spectrometry**
Turker A. R. , Cabuk D., YALÇINKAYA Ö.
ANALYTICAL LETTERS, vol.46, no.7, pp.1155-1170, 2013 (Journal Indexed in SCI)
- V. **Determination and evaluation of gross alpha and beta activity concentrations and metal levels in thermal waters from Ankara, Turkey**
ACAR O., KALFA O. M. , YALÇINKAYA Ö., Turker A. R.
TURKISH JOURNAL OF CHEMISTRY, vol.37, no.5, pp.805-811, 2013 (Journal Indexed in SCI)
- VI. **Assessment of arsenic, chromium, copper and manganese determination in thermal spring waters by electrothermal atomic absorption spectrometry using various chemical modifiers**
ACAR O., KALFA O. M. , YALÇINKAYA Ö., Turker A. R.
ANALYTICAL METHODS, vol.5, no.3, pp.748-754, 2013 (Journal Indexed in SCI)
- VII. **MWCNT/nano-ZrO₂ as a new solid phase extractor: its synthesis, characterization, and application to atomic absorption spectrometric determination of lead**
KALFA O. M. , YALÇINKAYA Ö., Turker A. R.
TURKISH JOURNAL OF CHEMISTRY, vol.36, no.6, pp.885-898, 2012 (Journal Indexed in SCI)
- VIII. **Evaluation of Activation Energies for Cadmium Atomization on Different Atomizer Surfaces and Modifier Solutions in Electrothermal Atomic Absorption Spectrometry**
ACAR O., KALFA O. M. , YALÇINKAYA Ö., Turker A. R.
SPECTROSCOPY LETTERS, vol.45, no.5, pp.315-323, 2012 (Journal Indexed in SCI)
- IX. **The effect of aerobic exercise programme on trace element levels of young men**
Kara E., Akil M., YALÇINKAYA Ö.
AFRICAN JOURNAL OF MICROBIOLOGY RESEARCH, vol.6, no.1, pp.165-168, 2012 (Journal Indexed in SCI)
- X. **Preconcentration and Determination of Manganese and Nickel from Various Water Samples by Nano Zirconium Oxide/Boron Oxide**
YALÇINKAYA Ö., Erdogan H.
SPECTROSCOPY LETTERS, vol.45, no.8, pp.602-608, 2012 (Journal Indexed in SCI)
- XI. **Preconcentration of Aluminum on Nano ZrO₂/B₂O₃ and Its Determination by Flame Atomic Absorption Spectrometry**
YALÇINKAYA Ö., Erdogan H., ÇİFTÇİ H., Turker A. R.

- SPECTROSCOPY LETTERS, vol.45, no.5, pp.344-351, 2012 (Journal Indexed in SCI)
- XII. **Chelating agent free-solid phase extraction (CAF-SPE) of Co(II), Cu(II) and Cd(II) by new nano hybrid material (ZrO₂/B₂O₃)**
YALÇINKAYA Ö., KALFA O. M. , Turker A. R.
JOURNAL OF HAZARDOUS MATERIALS, vol.195, pp.332-339, 2011 (Journal Indexed in SCI)
- XIII. **Determination of inorganic arsenic species by hydride generation atomic absorption spectrometry in water samples after preconcentration/separation on nano ZrO₂/B₂O₃ by solid phase extraction**
Erdogan H., YALÇINKAYA Ö., Turker A. R.
DESALINATION, vol.280, pp.391-396, 2011 (Journal Indexed in SCI)
- XIV. **Preconcentration of Trace Copper, Cobalt and Lead from Various Samples by Hybrid Nano Sorbent and Determination by FAAS**
YALÇINKAYA Ö., KALFA O. M. , Turker A. R.
CURRENT ANALYTICAL CHEMISTRY, vol.7, no.3, pp.225-234, 2011 (Journal Indexed in SCI)
- XV. **Chelating agent free solid phase extraction (CAF-SPE) method for separation and/or preconcentration of iron(III) ions**
YALÇINKAYA Ö., Kalfa O. M. , Turker A. R.
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.2, pp.207-217, 2010 (Journal Indexed in SCI)
- XVI. **Synthesis of nano B₂O₃/TiO₂ composite material as a new solid phase extractor and its application to preconcentration and separation of cadmium**
Kalfa O. M. , YALÇINKAYA Ö., Turker A. R.
JOURNAL OF HAZARDOUS MATERIALS, vol.166, no.1, pp.455-461, 2009 (Journal Indexed in SCI)
- XVII. **Application of full factorial design for the preconcentration of chromium by solid phase extraction with Amberlyst 36 resin**
Kenduzler E., YALÇINKAYA Ö., Baytak S., Turker A. R.
MICROCHIMICA ACTA, vol.160, no.4, pp.389-395, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Electrochemical Determination of Furosemide Drug at Tranexamic Acid Gold Nanoparticles Modified Glassy Carbon Electrode**
Chandio T. A. , YALÇINKAYA Ö., Khan M. N. , Kayis E. C. , Hassan A., KAYIŞ A. F.
PAKISTAN JOURNAL OF ANALYTICAL & ENVIRONMENTAL CHEMISTRY, vol.22, no.1, pp.172-179, 2021 (Journal Indexed in ESCI)
- II. **Removal of Copper II from Aqueous Solution by Pretreated Saccharomyces cerevisiae Meyen ex E C Hansen 251 TP 3 2**
TOSUN A., akçelik ö., YALÇINKAYA Ö., TÜRKER A. R. , ERGUN M.
Gazi University Journal of Science Part A: Engineering And Innovation, vol.3, no.4, pp.63-70, 2015 (Refereed Journals of Other Institutions)
- III. **Analysis Of The Number Of Shots Using Graphite Furnace Atomic Absorption Spectrometry On The Gunshot Residues Deposited in The Barrel**
KARA İ., YALÇINKAYA Ö., LİSESİVDİN S. B. , KASAP M.
SYLWAN, vol.159, no.1, pp.14-26, 2015 (Refereed Journals of Other Institutions)
- IV. **Determination and assessment of metal levels in thermal waters**
ACAR O., KALFA O. M. , YALÇINKAYA Ö., TÜRKER A. R.
Gazi University Journal of Science, vol.27, no.2, pp.785-794, 2014 (Refereed Journals of Other Institutions)
- V. **Calcium magnesium iron zinc cadmium lead copper and chromium determinations in brown meagre Sciaena Umbra bone stone by flame and electrothermal atomic absorption spectrometry**
ACAR O., KALFA O. M. , YALÇINKAYA Ö., TÜRKER A. R.
Gazi University Journal of Science, vol.23, no.1, pp.41-48, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Occupational Health and Safety for the 21st Century**
Türker A., İnam M. G. , İlhan M. N. , İnam O., Acar O., Yalçinkaya Ö., Çetintepe S. P. , Türker A. R. (Editor)
Palme, Ankara, 2020
- II. **Özsöz**
YALÇINKAYA Ö.
in: Nicel Kimyasal Analiz, Ali Rehber Türker, Editor, Palme, Ankara, pp.8-17, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Metal Pollution from Cosmetic Products and Its Effects on Human Health**
ergin i., YALÇINKAYA Ö.
3.rd international cosmetic congress, Antalya, Turkey, 7 - 09 November 2020
- II. **Gümüş İyonunun Duolite Xad 761 Üzerinde Adsorpsiyonun Kinetik ve Termodinamik Değişkenlerinin Belirlenmesi**
KAYIŞ A. F. , YALÇINKAYA Ö.
XVI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 7 - 08 November 2019
- III. **Moleküler Baskılanmış Manyetik Nanotaneçikler İle Gerçek Numunelerden Aflatoksin M1' İn Seçici Ayrılması**
KAYIŞ A. F. , YALÇINKAYA Ö., TURAN E.
XVI. Ulusal Spektroskopi Kongresi, Turkey, 07 November 2019
- IV. **Saç boyalarında ve boyalı saçlarda ağır metal içeriklerinin belirlenmesi**
ergin i., YALÇINKAYA Ö.
2nd International Eurasian Conference on Biological and Chemical Sciences, 28 - 29 June 2019
- V. **Hızlı sertleşen Trikalsiyum silikat esaslı Simanların kalsiyum salımlarının in vitro değerlendirilmesi**
Amer M., DENİZ ARISU H., YALÇINKAYA Ö.
Restoratif Dişhekimliği Derneği 22. Uluslararası Bilimsel Kongresi, Antalya, Turkey, 30 November - 02 December 2018
- VI. **KLOROFENOLLERİN POLİETİLENİMİN KAPLI NANO FE(0)-PD(0)MODİFİYELİ SİLİKA NANO PARTİKÜLLERLE ATIK SULARDANGİDERİMİ**
ergün m. a. , turan e., YALÇINKAYA Ö.
I. INTERNATIONAL TURKISH WORLDEGINEERING AND SCIENCE CONGRESS, 7 - 10 December 2017
- VII. **PREPARATION OF AMINE FUNCTIONALIZED POLYMER BRUSH ONCOTTON SURFACE VIA REVERSIBLE ADDITION-FRAGMENTATIONCHAIN TRANSFER POLYMERIZATION FOR ENHANCED ADSORPTION OF Cu(II) AND Pb(II)**
ZENGİN A., YALÇINKAYA Ö.
I. INTERNATIONAL TURKISH WORLDEGINEERING AND SCIENCE CONGRESS, 7 - 10 December 2017
- VIII. **ATIK SU ÖRNEKLERİNDEKİ AĞIR METAL TAYİNLERİ İÇİNKULLANILAN YÖNTEMİN GEÇERLİ KILINMASI**
taner o., YALÇINKAYA Ö.
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017
- IX. **AĞIR METAL TAYİNİ İÇİN HİDROJEL TEMELLİ KOLORİMETRİK TAYİN SİSTEMLERİ**
değerli b., turan e., YALÇINKAYA Ö.
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017
- X. **Heavy Metal Biosorption of copper ions by immobilized biomass of stichococcus subtilis**
yalçın d., ÖZER T., AÇIKGÖZ ERKAYA İ., kayış a. f. , YALÇINKAYA Ö.
1st International Balack sea congress enviromental sciences, 31 August - 03 September 2016

Supported Projects

YALÇINKAYA Ö., Project Supported by Higher Education Institutions, Altın ve gümüşün XAD-761 üzerine adsorpsiyonunun kinetik ve termodinamik parametrelerinin belirlenmesi, 2018 - 2020

Citations

Total Citations (WOS):371

h-index (WOS):10