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Education Information

Doctorate, Erciyes University, Eğitim Bilimleri Enstitüsü, -, Turkey 2011 - 2017

Dissertations

Doctorate, NANO METAL OKSİT VE GRAFEN BAZLI KOMPOZİTLERİN SENTEZİ, KARAKTERİZASYONU VE ESER ELEMENTLERİN KATI FAZ EKSTRAKSİYONU İLE ZENGİNLEŞTİRİLMESİNE KULLANILMASI, Erciyes University, Fen Bilimleri Enstitüsü, -, 2017

Research Areas

Separation Methods, Food Analysis, Chromatographic Analysis, Sample preparation, Raman Spectroscopy, Spectroscopical Methods, Surface Analysis

Academic Titles / Tasks

Lecturer PhD, Erzincan Binali Yıldırım University, Çayırlı Meslek Yüksekokulu, Tibbi Hizmetler ve Teknikler Bölümü, 2021
- Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. AuNPs with *Cynara scolymus* leaf extracts rescue arsenic-induced neurobehavioral deficits and hippocampal tissue toxicity in Balb/c mice through D1R and D2R activation
ÇİÇEK B., HACIMÜFTÜOĞLU A., Yeni Y., KUZUCU M., GENÇ S., Cetin A., YAVUZ E., Danışman B., LEVENT A., ÖZDOKUR K. V., et al.
Environmental Toxicology and Pharmacology, vol.107, 2024 (SCI-Expanded)
- II. Use of transition metal dichalcogenides (TMDs) in analytical sample preparation applications
YILMAZ E., YAVUZ E.
Talanta, vol.266, 2024 (SCI-Expanded)
- III. Superior photocatalytic performance of ZnMoO₄/Ag₂WO₄ for degradation of trimethoprim and

- methylene blue**
ÇAĞLAR YAVUZ S., YAVUZ E., ÖZDOKUR K. V.
International Journal of Environmental Analytical Chemistry, 2024 (SCI-Expanded)
- IV. **Gold-Nanoparticles-Decorated ZrO₂-CuO Nanocomposites: Synthesis, Characterization and A Novel Platform for Electrocatalytic Formaldehyde Oxidation**
Özdokur K. V., Koçak Ç. C., Eden Ç., Demir Z., Çırak Ç., Yavuz E., Çağlar B.
ChemistrySelect, vol.7, no.28, 2022 (SCI-Expanded)
- V. **Fabrication of superhydrophobic Ag@ZnO@Bi₂W₀6 membrane disc as flexible and photocatalytic active reusable SERS substrate**
Korkmaz I., ŞAKİR M., SARP G., Salem S., TÖRÜN İ., Volodkin D., Yavuz E., ÖNSES M. S., YILMAZ E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1223, 2021 (SCI-Expanded)
- VI. **Low bandgap microsphere-like magnetic nanocomposite: An enhanced photocatalyst for degradation of organic contaminants and fabrication of SERS-active surfaces**
Salem S., ŞAKİR M., Sahin K., Korkmaz I., Yavuz E., SARP G., ÖNSES M. S., YILMAZ E.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.589, 2020 (SCI-Expanded)
- VII. **Dispersive solid-phase extraction with tannic acid functionalized graphene adsorbent for the preconcentration of trace beryllium from water and street dust samples**
Yavuz E., TOKALIOĞLU Ş., PATAT Ş.
TALANTA, vol.190, pp.397-402, 2018 (SCI-Expanded)
- VIII. **Magnetic dispersive solid phase extraction with graphene/ZnFe₂O₄ nanocomposite adsorbent for the sensitive determination of mercury in water and fish samples by cold vapor atomic absorption spectrometry**
Yavuz E., TOKALIOĞLU Ş., PATAT Ş.
MICROCHEMICAL JOURNAL, vol.142, pp.85-93, 2018 (SCI-Expanded)
- IX. **Core-shell Fe₃O₄ polydopamine nanoparticles as sorbent for magnetic dispersive solid-phase extraction of copper from food samples**
Yavuz E., TOKALIOĞLU Ş., PATAT Ş.
FOOD CHEMISTRY, vol.263, pp.232-239, 2018 (SCI-Expanded)
- X. **Treatment of geothermal waters for industrial and agricultural purposes**
KABAY N., Sozal P. Y., Yavuz E., Yuksel M., Yuksel U.
GEOTHERMAL WATER MANAGEMENT, pp.113-133, 2018 (SCI-Expanded)
- XI. **Zirconium-based highly porous metal-organic framework (MOF-545) as an efficient adsorbent for vortex assisted-solid phase extraction of lead from cereal, beverage and water samples**
TOKALIOĞLU Ş., Yavuz E., DEMİR S., PATAT Ş.
FOOD CHEMISTRY, vol.237, pp.707-715, 2017 (SCI-Expanded)
- XII. **Dispersive Solid-Phase Extraction of Rhodium from Water, Street Dust, and Catalytic Converters Using a Cellulose-Graphite Oxide Composite**
Yavuz E., TOKALIOĞLU Ş., Sahan H., Kacer M., PATAT Ş.
ANALYTICAL LETTERS, vol.50, no.1, pp.63-79, 2017 (SCI-Expanded)
- XIII. **Vortexing/shaking-free solid phase extraction of lead(II) by using an urchin-like NiCo₂O₄ hollow microsphere adsorbent**
Yavuz E., TOKALIOĞLU Ş., Sahan H., Berberoglu A., PATAT Ş.
MICROCHIMICA ACTA, vol.184, no.4, pp.1191-1198, 2017 (SCI-Expanded)
- XIV. **Novel Chelating Resin for Solid-Phase Extraction of Metals in Certified Reference Materials and Waters**
Yavuz E., TOKALIOĞLU Ş., Erkilic H., Soykan C.
ANALYTICAL LETTERS, vol.50, no.2, pp.364-378, 2017 (SCI-Expanded)
- XV. **Ionic liquid coated carbon nanospheres as a new adsorbent for fast solid phase extraction of trace copper and lead from sea water, wastewater, street dust and spice samples**
TOKALIOĞLU Ş., Yavuz E., Sahan H., Colak S. G., Ocakoglu K., Kacer M., PATAT Ş.
TALANTA, vol.159, pp.222-230, 2016 (SCI-Expanded)

- XVI. **Nanosized spongelike Mn₃O₄ as an adsorbent for preconcentration by vortex assisted solid phase extraction of copper and lead in various food and herb samples**
Yavuz E., TOKALIOĞLU Ş., Sahan H., PATAT Ş.
FOOD CHEMISTRY, vol.194, pp.463-469, 2016 (SCI-Expanded)
- XVII. **Graphite Oxide Solid-Phase Extraction of Copper(II) and Lead(II) from Water, Food, Tobacco, and Hair**
Yavuz E., TOKALIOĞLU Ş., Sahan H., Yilmaz B., PATAT Ş.
ANALYTICAL LETTERS, vol.49, no.14, pp.2193-2206, 2016 (SCI-Expanded)
- XVIII. **Spectrophotometric determination of basic fuchsin from various water samples after vortex assisted solid phase extraction using reduced graphene oxide as an adsorbent**
Tokahoglu S., Yavuz E., Aslantas A., Sahan H., Taskin F., PATAT Ş.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.149, pp.378-384, 2015 (SCI-Expanded)
- XIX. **Nano sponge Mn₂O₃ as a new adsorbent for the preconcentration of Pd(II) and Rh(III) ions in sea water, wastewater, rock, street sediment and catalytic converter samples prior to FAAS determinations**
Yavuz E., TOKALIOĞLU Ş., Sahan H., PATAT Ş.
TALANTA, vol.128, pp.31-37, 2014 (SCI-Expanded)
- XX. **Ultralayered Co₃O₄ as a new adsorbent for preconcentration of Pb(II) from water, food, sediment and tobacco samples**
Yavuz E., TOKALIOĞLU Ş., Sahan H., PATAT Ş.
TALANTA, vol.115, pp.724-729, 2013 (SCI-Expanded)
- XXI. **FAAS Determination of Ag(I) in Water, Anode Slime, Rock and Cream Samples by Solid Phase Extraction Method based on Sepabeads SP207/5-(p-Dimethylaminobenzylidene) Rhodanine Combination**
Yavuz E., TOKALIOĞLU Ş., SAHAN S.
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, vol.24, no.5, pp.736-744, 2013 (SCI-Expanded)
- XXII. **An innovative integrated system for boron removal from geothermal water using RO process and ion exchange-ultrafiltration hybrid method**
KABAY N., Koseoglu P., Yavuz E., Yuksel U., Yuksel M.
DESALINATION, vol.316, pp.1-7, 2013 (SCI-Expanded)
- XXIII. **Removal of boron from geothermal water by RO system-I-Effect of membrane configuration and applied pressure**
Yavuz E., Guler E., Sert G., ARAR Ö., Yuksel M., Yuksel U., KİTİŞ M., KABAY N.
DESALINATION, vol.310, pp.130-134, 2013 (SCI-Expanded)
- XXIV. **Removal of boron from geothermal water by RO system-II-effect of pH**
Yavuz E., ARAR Ö., Yuksel M., Yuksel U., KABAY N.
DESALINATION, vol.310, pp.135-139, 2013 (SCI-Expanded)
- XXV. **Removal of boron from geothermal water by RO System-III-Utilization of SWRO system**
Yavuz E., ARAR Ö., Yuksel U., Yuksel M., KABAY N.
DESALINATION, vol.310, pp.140-144, 2013 (SCI-Expanded)
- XXVI. **A graphene/Co₃O₄ nanocomposite as a new adsorbent for solid phase extraction of Pb(II), Cu(II) and Fe(III) ions in various samples**
Yavuz E., TOKALIOĞLU Ş., Sahan H., PATAT Ş.
RSC ADVANCES, vol.3, no.46, pp.24650-24657, 2013 (SCI-Expanded)
- XXVII. **A comparative study for boron removal from seawater by two types of polyamide thin film composite SWRO membranes**
Guler E., KABAY N., Yuksel M., Yavuz E., Yuksel U.
DESALINATION, vol.273, no.1, pp.81-84, 2011 (SCI-Expanded)
- XXVIII. **Separation of Low Concentration of Fluoride from Water by Electrodialysis (ED) in the Presence of Chloride and Sulfate Ions**

ARAR Ö., Yavuz E., Yuksel U., KABAY N.

SEPARATION SCIENCE AND TECHNOLOGY, vol.44, no.7, pp.1562-1573, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. Time-dependent desalination tests for small-scale swro pilot plant installed at urla bay, Turkey

Guler E., Yavuz E., Yuksel M., Yuksel U., KABAY N.

Journal of Membrane Science and Research, vol.4, no.3, pp.167-173, 2018 (Scopus)

II. Editors' foreword

Bundschuh J., Tomaszewska B.

Geothermal Water Management, 2018 (Scopus)

Metrics

Publication: 30

Citation (WoS): 491

Citation (Scopus): 526

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H-Index (Scopus): 14