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Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Eğitim Bilimleri Enstitüsü, -, Türkiye 2011 - 2017

Yaptığı Tezler

Doktora, NANO METAL OKSİT VE GRAFEN BAZLI KOMPOZİTLERİN SENTEZİ, KARAKTERİZASYONU VE ESER ELEMENTLERİN KATI FAZ EKSTRAKSİYONU İLE ZENGİNLEŞTİRİLMESİNDE KULLANILMASI, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, -, 2017

Araştırma Alanları

Ayırma Teknikleri, Gıda Analizleri, Kromatografi, Örnek hazırlama, Raman Spektroskopisi, Spektroskopik Yöntemler, Yüzey Analizi

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Erzincan Binali Yıldırım Üniversitesi, Çayırılı Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2021 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Removal of manganese (Mn²⁺) from water samples using a biocomposite sorbent**
Çalışır A., ÇAĞLAR YAVUZ S., YAVUZ E., ARAR Ö., Arda M.
Environmental Research, cilt.257, 2024 (SCI-Expanded)
- 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., HACİMÜFTÜOĞLU A., Yeni Y., KUZUCU M., GENÇ S., Cetin A., YAVUZ E., Danisman B., LEVENT A., ÖZDOKUR K. V., et al.
Environmental Toxicology and Pharmacology, cilt.107, 2024 (SCI-Expanded)
- Superior photocatalytic performance of ZnMoO₄/Ag₂WO₄ for degradation of trimethoprim and**

methylene blue

ÇAĞLAR YAVUZ S., YAVUZ E., ÖZDOKUR K. V.

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- IV. **Use of transition metal dichalcogenides (TMDs) in analytical sample preparation applications**
YILMAZ E., YAVUZ E.
Talanta, cilt.266, 2024 (SCI-Expanded)
- V. **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, cilt.7, sa.28, 2022 (SCI-Expanded)
- VI. **Fabrication of superhydrophobic Ag@ZnO@Bi₂WO₆ 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, cilt.1223, 2021 (SCI-Expanded)
- VII. **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-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, cilt.589, 2020 (SCI-Expanded)
- VIII. **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, cilt.190, ss.397-402, 2018 (SCI-Expanded)
- IX. **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, cilt.142, ss.85-93, 2018 (SCI-Expanded)
- X. **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, cilt.263, ss.232-239, 2018 (SCI-Expanded)
- XI. **Treatment of geothermal waters for industrial and agricultural purposes**
KABAY N., Sozal P. Y., Yavuz E., Yuksel M., Yuksel U.
GEOHERMAL WATER MANAGEMENT, ss.113-133, 2018 (SCI-Expanded)
- XII. **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, cilt.237, ss.707-715, 2017 (SCI-Expanded)
- XIII. **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, cilt.50, sa.1, ss.63-79, 2017 (SCI-Expanded)
- XIV. **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, cilt.184, sa.4, ss.1191-1198, 2017 (SCI-Expanded)
- XV. **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, cilt.50, sa.2, ss.364-378, 2017 (SCI-Expanded)
- XVI. **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, cilt.159, ss.222-230, 2016 (SCI-Expanded)
- XVII. **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, cilt.194, ss.463-469, 2016 (SCI-Expanded)
- XVIII. **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, cilt.49, sa.14, ss.2193-2206, 2016 (SCI-Expanded)
- XIX. **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, cilt.149, ss.378-384, 2015 (SCI-Expanded)
- XX. **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, cilt.128, ss.31-37, 2014 (SCI-Expanded)
- XXI. **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, cilt.115, ss.724-729, 2013 (SCI-Expanded)
- XXII. **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., ŞAHAN S.
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, cilt.24, sa.5, ss.736-744, 2013 (SCI-Expanded)
- XXIII. **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, cilt.316, ss.1-7, 2013 (SCI-Expanded)
- XXIV. **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, cilt.310, ss.130-134, 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, cilt.310, ss.140-144, 2013 (SCI-Expanded)
- XXVI. **Removal of boron from geothermal water by RO system-II-effect of pH**
Yavuz E., ARAR Ö., Yuksel M., Yuksel U., KABAY N.
DESALINATION, cilt.310, ss.135-139, 2013 (SCI-Expanded)
- XXVII. **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, cilt.3, sa.46, ss.24650-24657, 2013 (SCI-Expanded)
- XXVIII. **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, cilt.273, sa.1, ss.81-84, 2011 (SCI-Expanded)

XXIX. 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, cilt.44, sa.7, ss.1562-1573, 2009 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

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, cilt.4, sa.3, ss.167-173, 2018 (Scopus)

II. Editors' foreword

Bundschuh J., Tomaszewska B.

Geothermal Water Management, 2018 (Scopus)

Metrikler

Yayın: 31

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H-İndeks (Scopus): 14