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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, Çayırlı Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2021 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **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)

II. **AuNPs with Cynara scolymus leaf extracts rescue arsenic-induced neurobehavioral deficits and hippocampal tissue toxicity in Balb/c mice through D1R and D2R activation**
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III. **Superior photocatalytic performance of ZnMoO4/Ag2WO4 for degradation of trimethoprim and**

methylene blue
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IV. **Use of transition metal dichalcogenides (TMDs) in analytical sample preparation applications**
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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.
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VI. **Fabrication of superhydrophobic Ag@ZnO@Bi2WO6 membrane disc as flexible and photocatalytic active reusable SERS substrate**
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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.
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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.
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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.
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X. **Core-shell Fe3O4 polydopamine nanoparticles as sorbent for magnetic dispersive solid-phase extraction of copper from food samples**
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XI. **Treatment of geothermal waters for industrial and agricultural purposes**
KABAY N., Sozal P. Y., Yavuz E., Yuksel M., Yuksel U.
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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.
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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.
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XV. **Novel Chelating Resin for Solid-Phase Extraction of Metals in Certified Reference Materials and Waters**
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XVI. **Ionic liquid coated carbon nanospheres as a new adsorbent for fast solid phase extraction of trace**

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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.
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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.
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XIX. **Spectrophotometric determination of basic fuchsin from various water samples after vortex assisted solid phase extraction using reduced graphene oxide as an adsorbent**
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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**
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XXI. **Ultralayered Co3O4 as a new adsorbent for preconcentration of Pb(II) from water, food, sediment and tobacco samples**
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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.
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XXIV. **Removal of boron from geothermal water by RO system-I-Effect of membrane configuration and applied pressure**
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XXV. **Removal of boron from geothermal water by RO System-III-Utilization of SWRO system**
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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.
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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.

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XXIX. **Separation of Low Concentration of Fluoride from Water by Electrodialysis (ED) in the Presence of Chloride and Sulfate Ions**
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Diğer Dergilerde Yayınlanan Makaleler

I. **Time-dependent desalination tests for small-scale swro pilot plant installed at urla bay, Turkey**
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II. **Editors' foreword**
Bundschuh J., Tomaszewska B.
Geothermal Water Management, 2018 (Scopus)

Metrikler

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