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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

- Advancements in reusable SERS substrates for trace analysis applications**
YAVUZ E., ŞAKİR M., ÖNSES M. S., Salem S., YILMAZ E.
Talanta, cilt.279, 2024 (SCI-Expanded)
- 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

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- IV. **Use of transition metal dichalcogenides (TMDs) in analytical sample preparation applications**
YILMAZ E., YAVUZ E.
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- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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, cilt.589, 2020 (SCI-Expanded)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **Removal of boron from geothermal water by RO System-III-Utilization of SWRO system**
Yavuz E., ARAR Ö., Yuksel U., Yuksel M., KABAY N.
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- XXVIII. **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)

- XXIX. **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)
- XXX. **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: 32

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Atıf (Scopus): 874

H-İndeks (WoS): 14

H-İndeks (Scopus): 17