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Personal Information

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Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Analitik Kimya, Turkey 1988 - 1992

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Analitik Kimya, Turkey 1983 - 1985

Undergraduate, Ankara University, Fen Fakültesi, Kimya, Turkey 1972 - 1977

Foreign Languages

German, B1 Intermediate

Certificates, Courses and Trainings

Education Management and Planning, -, -, 1977

Dissertations

Postgraduate, Formik asid metodu ile ditiyonit üretimi, Istanbul University, Fen Bilimleri, Kimya, 1995

Doctorate, Alümina Çözeltilerinden Galyum İyonunun Ekstraktif Metodla Elde edilmesi, Istanbul University, Fen Bilimleri, Kimya, 1993

Research Areas

Chemistry, Analytical Chemistry, Adsorption Spectroscopy, Separation Methods, Electromagnetic Methods, Pharmaceutical Analysis, Sensors, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Mühendislik Fak., Kimya, 2004 - Continues

Courses

Analitik Kimya, Undergraduate, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Individual and Simultaneous Electrochemical Detection of Bisphenol A and Bisphenol S in Food Samples Using Triethylenetetramine Functionalized Multi-Walled Carbon Nanotubes**
Cakici M., AVAN A. A., Filik H., KÖK YETİMOĞLU E.
FOOD ANALYTICAL METHODS, vol.16, no.1, pp.225-237, 2023 (SCI-Expanded)
- II. **Electrochemical immunosensor for individual and simultaneous determination of Cytokeratin fragment antigen 21-1 and Neuron-specific enolase using carbon dots-decorated multiwalled carbon nanotube electrode**
Filik H., AVAN A. A., ALTAŞ PUNTAR N., Ozyurek M., Cakici M., Guengor Z. B., Kucur M., Kamis H.
MICROCHEMICAL JOURNAL, vol.183, 2022 (SCI-Expanded)
- III. **Nanotechnology-based Colorimetric Approaches for Pathogenic Virus Sensing: A Review**
Filik H., AVAN A. A.
CURRENT MEDICINAL CHEMISTRY, vol.29, no.15, pp.2691-2718, 2022 (SCI-Expanded)
- IV. **Ethylenediamine grafted carbon nanotube aerogels modified screen-printed electrode for simultaneous electrochemical immunoassay of multiple tumor markers**
Filik H., AVAN A. A., ALTAŞ PUNTAR N., ÖZYÜREK M., GÜNGÖR Z. B., KUCUR M., Kamis H., Dicle D. A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.900, 2021 (SCI-Expanded)
- V. **Simultaneous Determination of Fat-Soluble Vitamins by Using Modified Glassy Carbon Electrode**
AVAN A. A., Filik H.
RUSSIAN JOURNAL OF ELECTROCHEMISTRY, vol.57, no.8, pp.858-871, 2021 (SCI-Expanded)
- VI. **Investigation of electrochemical oxidation mechanism, rapid and low-level determination for whitening cosmetic: arbutin in aqueous solution by nano sepiolite clay**
Aydar Barutcu S., Eskipoy Bayraktepe D., Yazan Z., POLAT K., Filik H.
CHEMICAL PAPERS, vol.75, no.7, pp.3483-3491, 2021 (SCI-Expanded)
- VII. **Solid-phase extraction of Cr(VI) with magnetic melamine-formaldehyde resins, followed by its colorimetric sensing using gold nanoparticles modified with p-amino hippuric acid**
AVAN A. A., Filik H., Demirata B.
MICROCHEMICAL JOURNAL, vol.164, 2021 (SCI-Expanded)
- VIII. **Multi-Walled Carbon Nanotubes Magnetic Composite as an Adsorbent for Preconcentration and Determination of Trace Level Vanadium in Water Samples**
Filik H., AVAN A. A.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.76, no.2, pp.156-164, 2021 (SCI-Expanded)
- IX. **A Review on Colorimetric Sensing of Tumor Markers Based on Enzyme-Mimicking Nanomaterials**
Filik H., AVAN A. A., Tokatli Z. F.
CURRENT MEDICINAL CHEMISTRY, vol.28, no.30, pp.6123-6145, 2021 (SCI-Expanded)
- X. **New Trends in the Pharmacological Intervention of PPARs in Obesity: Role of Natural and Synthetic Compounds**
Filik H., AVAN A. A., ÖZYÜREK M.
CURRENT MEDICINAL CHEMISTRY, vol.28, no.20, pp.4023-4048, 2021 (SCI-Expanded)
- XI. **Electrochemical and Electrochemiluminescence Dendrimer-based Nanostructured Immunosensors for Tumor Marker Detection: A Review**
Filik H., AVAN A. A.
CURRENT MEDICINAL CHEMISTRY, vol.28, no.18, pp.3490-3513, 2021 (SCI-Expanded)
- XII. **Neutral red interlinked gold nanoparticles/multiwalled carbon nanotubes modified electrochemical sensor for simultaneous speciation and detection of chromium (VI) and vanadium (V) in water samples**
Filik H., AVAN A. A.
MICROCHEMICAL JOURNAL, vol.158, 2020 (SCI-Expanded)
- XIII. **Review on applications of carbon nanomaterials for simultaneous electrochemical sensing of environmental contaminant dihydroxybenzene isomers**

Filik H., AVAN A. A.

ARABIAN JOURNAL OF CHEMISTRY, vol.13, no.7, pp.6092-6105, 2020 (SCI-Expanded)

- XIV. **Electrochemical immunosensors for the detection of cytokine tumor necrosis factor alpha: A review**
Filik H., AVAN A. A.
TALANTA, vol.211, 2020 (SCI-Expanded)
- XV. **Dispersive Liquid-Liquid Microextraction Based on Ionic Liquid and Spectrophotometric Determination of Bilirubin in Biological Samples**
AVAN A. A., Filik H.
CURRENT ANALYTICAL CHEMISTRY, vol.16, no.5, pp.652-659, 2020 (SCI-Expanded)
- XVI. **Low-level Electrochemical Analysis of Ketoconazole by Sepiolite Nanoparticles Modified Sensor in Shampoo Sample**
Aydar S., Bayraktepe D. E., Filik H., Yazan Z.
ACTA CHIMICA SLOVENICA, vol.67, no.3, pp.729-738, 2020 (SCI-Expanded)
- XVII. **Visible Light Detection of Dopamine Enhanced by Cloud Point Extraction**
Avan A. A., Filik H.
CURRENT PHARMACEUTICAL ANALYSIS, vol.15, no.5, pp.528-534, 2019 (SCI-Expanded)
- XVIII. **Electrochemical Determination of Rivastigmine Hydrogen Tartrate at beta-Cyclodextrin/Multi-Walled Carbon Nanotubes Modified Electrode**
Kilicyaldir B., Avan A. A., Guclu K., Ozyurek M., Filik H.
CURRENT PHARMACEUTICAL ANALYSIS, vol.15, no.3, pp.211-216, 2019 (SCI-Expanded)
- XIX. **Conducting polymer modified screen-printed carbon electrode coupled with magnetic solid phase microextraction for determination of caffeine**
Filik H., Avan A. A.
FOOD CHEMISTRY, vol.242, pp.301-307, 2018 (SCI-Expanded)
- XX. **Electrochemical Determination of Rivastigmine Hydrogen Tartrate at β -Cyclodextrin/Multi-Walled Carbon Nanotubes Modified Electrode**
Kılıçyardır B., AVAN A. A., GÜÇLÜ K., ÖZYÜREK M., FİLİK H.
CURRENT PHARMACEUTICAL ANALYSIS, vol.xx, 2018 (SCI-Expanded)
- XXI. **A Nano-Sepiolite Clay Electrochemical Sensor for the Rapid Electro-Catalytic Detection of Hydroquinone in Cosmetic Products**
Aydar S., Bayraktepe D. E., Filik H., Yazan Z.
ACTA CHIMICA SLOVENICA, vol.65, no.4, pp.946-954, 2018 (SCI-Expanded)
- XXII. **Simultaneous Electrochemical Determination of Vitamin K1 and Vitamin D3 by using Poly (Alizarin Red S)/Multi-walled Carbon Nanotubes Modified Glassy Electrode**
Filik H., Avan A. A.
CURRENT ANALYTICAL CHEMISTRY, vol.13, no.5, pp.350-360, 2017 (SCI-Expanded)
- XXIII. **Electrochemical Determination of Nicotine Poly (Alizarin red S) Modified Graphene Screen-Printed Carbon Electrode**
Filik H., Avan A. A., Aydar S.
CURRENT NANOSCIENCE, vol.13, no.1, pp.92-99, 2017 (SCI-Expanded)
- XXIV. **Simultaneous Electrochemical Determination of Caffeine and Vanillin by Using Poly(Alizarin Red S) Modified Glassy Carbon Electrode**
Filik H., Avan A. A., Mumin Y.
FOOD ANALYTICAL METHODS, vol.10, no.1, pp.31-40, 2017 (SCI-Expanded)
- XXV. **Electrochemical Determination of Vitamin B-12 in Food Samples by Poly(2,2'-(1,4-phenylenedivinylene) Bis-8 hydroxyquinoline)/Multi-Walled Carbon Nanotube-Modified Glassy Carbon Electrode**
Filik H., Avan A. A., Aydar S.
FOOD ANALYTICAL METHODS, vol.9, no.8, pp.2251-2260, 2016 (SCI-Expanded)
- XXVI. **Determination of Tocopherol Using Reduced Graphene Oxide-Nafion Hybrid-Modified Electrode in Pharmaceutical Capsules and Vegetable Oil Samples**

- Filik H., Avan A. A., Aydar S., Cakar S.
FOOD ANALYTICAL METHODS, vol.9, no.6, pp.1745-1753, 2016 (SCI-Expanded)
- XXVII. **Simultaneous Electrochemical Determination of alpha-Tocopherol and Retinol in Micellar Media by a Poly(2,2'-(1,4 Phenylenedivinylene)-bis-8-Hydroxyquinoline)-Multiwalled Carbon Nanotube Modified Electrode**
Filik H., Avan A. A., Aydar S.
ANALYTICAL LETTERS, vol.49, no.8, pp.1240-1257, 2016 (SCI-Expanded)
- XXVIII. **Determination of Tetracycline on the Surface of a High-Performance Graphene Modified Screen-Printed Carbon Electrode in Milk and Honey Samples**
Filik H., Avan A. A., Aydar S., Özyurt D., Demirata B.
CURRENT NANOSCIENCE, vol.12, no.4, pp.527-533, 2016 (SCI-Expanded)
- XXIX. **Voltammetric Sensing of Uremic Toxin Indoxyl Sulfate Using High Performance Disposable Screen-Printed Graphene Electrode**
Filik H., Avan A. A., Aydar S.
CURRENT PHARMACEUTICAL ANALYSIS, vol.12, no.1, pp.36-42, 2016 (SCI-Expanded)
- XXX. **Electrochemical Determination of Brucine in Urine with a Poly(Alizarin Red S)-modified Glassy Carbon Electrode**
Mumin Y., Filik H., Aydar S., Avan A. A.
ANALYTICAL LETTERS, vol.49, no.17, pp.2716-2727, 2016 (SCI-Expanded)
- XXXI. **Poly(2,2'-(1,4-phenylenedivinylene) Bis-8-hydroxyquinoline) Modified Glassy Carbon Electrode for the Simultaneous Determination of Paracetamol and p-Aminophenol**
Filik H., Aydar S., Avan A. A.
ANALYTICAL LETTERS, vol.48, no.16, pp.2581-2596, 2015 (SCI-Expanded)
- XXXII. **Poly (Rhodamine B) and MWCNTs Composite Film for the Separation and Simultaneous Voltammetric Quantification of Tryptophan, Paracetamol, Uric Acid, Dopamine and Ascorbic Acid**
Filik H., Avan A. A., Aydar S., Apak R.
CURRENT ANALYTICAL CHEMISTRY, vol.11, no.2, pp.87-95, 2015 (SCI-Expanded)
- XXXIII. **Voltammetric Sensing of Bilirubin Based on Nafion/Electrochemically Reduced Graphene Oxide Composite Modified Glassy Carbon Electrode**
Avan A. A., Aydar S., Filik H.
CURRENT ANALYTICAL CHEMISTRY, vol.11, no.2, pp.96-103, 2015 (SCI-Expanded)
- XXXIV. **Nafion/Multi-wall Carbon Nanotubes Composite Modified Glassy Carbon Electrode for Sensitive Determination of Bilirubin**
Filik H., Avan A. A., Aydar S.
CURRENT NANOSCIENCE, vol.11, no.6, pp.784-791, 2015 (SCI-Expanded)
- XXXV. **Square-Wave Adsorptive Stripping Voltammetric Determination of Serotonin at Glassy Carbon Electrode Modified with Safranin O**
Filik H., Avan A. A., Aydar S.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.9, no.6, pp.2922-2933, 2014 (SCI-Expanded)
- XXXVI. **Simultaneous Electrochemical Preconcentration and Determination of Dopamine and Uric acid by Square-Wave Adsorptive Stripping Voltammetry using a Poly(Safranin O)-Modified Glassy Carbon Electrode**
Filik H., Avan A. A., Aydar S., Arpacı R. B.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.9, no.6, pp.2775-2789, 2014 (SCI-Expanded)
- XXXVII. **A fiber optic spectrophotometric determination of urinary indoxyl sulfate (indican) after cloud point extraction**
Filik H., Kilcan D.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.69, no.3, pp.255-261, 2014 (SCI-Expanded)
- XXXVIII. **Nafion-Graphene Composite Film Modified Glassy Carbon Electrode for Voltammetric Determination of p-Aminophenol**
Filik H., Cetintas G., Koc S. N., Gulce H., Boz I.

RUSSIAN JOURNAL OF ELECTROCHEMISTRY, vol.50, no.3, pp.243-252, 2014 (SCI-Expanded)

- XXXIX. **Determination of Acetaminophen in the Presence of Ascorbic Acid Using a Glassy Carbon Electrode Modified with Poly(Caffeic acid)**
Filik H., Avan A. A., Aydar S., Cetintas G.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.9, no.1, pp.148-160, 2014 (SCI-Expanded)
- XL. **Square-wave stripping voltammetric determination of caffeic acid on electrochemically reduced graphene oxide-Nafion composite film**
Filik H., Cetintas G., Avan A. A., Aydar S., Koc S. N., Boz I.
TALANTA, vol.116, pp.245-250, 2013 (SCI-Expanded)
- XLI. **Indirect fibre-optic colorimetric determination of ascorbic acid using 2-(5-bromo-2-pyridylazo)-5-diethylaminophenol and cloud point extraction**
Filik H., Giray D.
DRUG TESTING AND ANALYSIS, vol.5, no.4, pp.228-233, 2013 (SCI-Expanded)
- XLII. **Electrochemical Sensing of Acetaminophen on Electrochemically Reduced Graphene Oxide-Nafion Composite Film Modified Electrode**
Filik H., Cetintas G., Avan A. A., Koc S. N., Boz I.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.8, no.4, pp.5724-5737, 2013 (SCI-Expanded)
- XLIII. **CLOUD POINT EXTRACTION FOR THE DETERMINATION OF TRACE COPPER(H) IN ENVIRONMENTAL SAMPLES USING A NEW SYNTHESIZED REAGENT AND FLAME ATOMIC ABSORPTION SPECTROMETRY**
Yurtman-Gunduz Z., Aydin-Urucu O., Kok-Yetimoglu E., Filik H.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.32, no.1, pp.69-78, 2013 (SCI-Expanded)
- XLIV. **Determination of Sulfite in Water and Dried Fruit Samples by Dispersive Liquid-Liquid Microextraction Combined with UV-Vis Fiber Optic Linear Array Spectrophotometry**
Filik H., Cetintas G.
FOOD ANALYTICAL METHODS, vol.5, no.6, pp.1362-1367, 2012 (SCI-Expanded)
- XLV. **Colourimetric solid-phase extraction coupled with fibre optic reflectance spectroscopy for determination of ascorbic acid in pharmaceutical formulations**
Filik H., Aksu D., Giray D., Apak R.
DRUG TESTING AND ANALYSIS, vol.4, no.6, pp.493-499, 2012 (SCI-Expanded)
- XLVI. **Determination of Vanadium in Food Samples by Cloud Point Extraction and Graphite Furnace Atomic Absorption Spectroscopy**
Filik H., Aksu D.
FOOD ANALYTICAL METHODS, vol.5, no.3, pp.359-365, 2012 (SCI-Expanded)
- XLVII. **Selective Determination of Catechin among Phenolic Antioxidants with the Use of a Novel Optical Fiber Reflectance Sensor Based on Indophenol Dye Formation on Nano-sized TiO₂**
Apak R., Cekic S. D., Cetinkaya A., Filik H., Hayvali M., Kilic E.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.60, no.11, pp.2769-2777, 2012 (SCI-Expanded)
- XLVIII. **Selective determination of catechin among phenolic antioxidants with the use of a novel optical fibre reflectance sensor based on indophenol dye formation on nano-sized TiO₂**
APAK M. R., DEMİRCİ ÇEKİÇ S., Çetinkaya A., Filik H., Hayvalı M., Kılıç E.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.60, pp.2769-2777, 2012 (SCI-Expanded)
- XLIX. **Cloud point extraction for speciation of iron in beer samples by spectrophotometry**
Filik H., Giray D.
FOOD CHEMISTRY, vol.130, no.1, pp.209-213, 2012 (SCI-Expanded)
- L. **Speciation analysis of manganese in tea samples using flame atomic absorption spectrometry after cloud point extraction**
Yalçın S., Filik H., Apak R.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.67, no.1, pp.47-55, 2012 (SCI-Expanded)
- LI. **Rapid detection of nitroaromatic and nitramine explosives on chromatographic paper and their reflectometric sensing on PVC tablets**

- Ercag E., Uzer A., Eren S., Saglam S., Filik H., Apak R.
TALANTA, vol.85, no.4, pp.2226-2232, 2011 (SCI-Expanded)
- LII. **A novel fiber optic spectrophotometric determination of nitrite using Safranin O and cloud point extraction**
Filik H., Giray D., Ceylan B., Apak R.
TALANTA, vol.85, no.4, pp.1818-1824, 2011 (SCI-Expanded)
- LIII. **Selective Determination of Copper in Water Samples by Atomic Absorption Spectrometry after Cloud Point Extraction**
Yetimoglu E. K., Urucu O. A., Gunduz Z. Y., Filik H.
ANALYTICAL LETTERS, vol.43, no.12, pp.1846-1856, 2010 (SCI-Expanded)
- LIV. **Development of an optical fibre reflectance sensor for lead detection based on immobilised arsenazo III**
Yanaz Z., Filik H., APAK M. R.
Sensors and Sensors And Actuators B-Chemical, vol.147, pp.15-22, 2010 (SCI-Expanded)
- LV. **A sensitive method for determining total vanadium in water samples using colorimetric-solid-phase extraction-fiber optic reflectance spectroscopy**
Filik H., Yanaz Z.
JOURNAL OF HAZARDOUS MATERIALS, vol.172, pp.1297-1302, 2009 (SCI-Expanded)
- LVI. **Selective cloud point extraction and graphite furnace atomic absorption spectrometric determination of molybdenum (VI) ion in seawater samples**
Filik H., Cengel T., Apak R.
JOURNAL OF HAZARDOUS MATERIALS, vol.169, pp.766-771, 2009 (SCI-Expanded)
- LVII. **Rapid sensing of molybdenum by combined colorimetric solid-phase extraction-Reflectance spectroscopy**
Filik H., Aksu D., Apak R., Boz I.
SENSORS AND ACTUATORS B-CHEMICAL, vol.141, no.2, pp.491-497, 2009 (SCI-Expanded)
- LVIII. **Application of a ternary complex of chromium(VI) with phenylfluorone for cloud point extraction-spectrophotometric speciation of Cr(VI) and Cr(III) in aqueous solutions**
Dondurmacioglu F., Filik H.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.64, no.5, pp.455-461, 2009 (SCI-Expanded)
- LIX. **Selective cloud point extraction and graphite furnace atomic absorption spectrometric determination of molybdenum (VI) ion in seawater samples**
Filik H., Cengel T., APAK M. R.
JOURNAL OF HAZARDOUS MATERIALS, vol.169, pp.766-771, 2009 (SCI-Expanded)
- LX. **An optical fibre reflectance sensor for p-aminophenol determination based on tetrahydroxycalix[4]arene as sensing reagent**
Filik H., Aksu D., APAK M. R., Şener İ., Kılıç E.
SENSORS AND ACTUATORS B-CHEMICAL, vol.136, pp.105-112, 2009 (SCI-Expanded)
- LXI. **Development of an optical fibre reflectance sensor for p-aminophenol detection based on immobilised bis-8-hydroxyquinoline**
Filik H., Hayvali M., Kilic E., Apak R., Aksu D., Yanaz Z., Cengel T.
TALANTA, vol.77, no.1, pp.103-109, 2008 (SCI-Expanded)
- LXII. **Selective determination of total vanadium in water samples by cloud point extraction of its ternary complex**
Filik H., Yanaz Z., Apak R.
ANALYTICA CHIMICA ACTA, vol.620, pp.27-33, 2008 (SCI-Expanded)
- LXIII. **Micelle mediated extraction of cadmium from water and tobacco samples with glyoxal-bis(2-hydroxyanil) and determination by electrothermal atomic absorption spectrometry**
Filik H., Dondurmacioglu F., Apak R.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.88, no.9, pp.637-648, 2008 (SCI-Expanded)

- LXIV. **Micelle mediated extraction of cadmium from water and tobacco samples with glyoxal-bis (2-hydroxyanil) and determination by electrothermal atomic absorption spectrometry**
Filik H., Dondurmacioğlu F., APAK M. R.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.88, pp.637-648, 2008 (SCI-Expanded)
- LXV. **Spectrophotometric determination of 4,6-dinitro-o-cresol (DNOC) in soil and lemon juice**
Uzer A., Ercag E., Parlar H., Apak R., Filik H.
ANALYTICA CHIMICA ACTA, vol.580, no.1, pp.83-90, 2006 (SCI-Expanded)
- LXVI. **Synthesis and characterization of polymeric Pd(II), Pt(IV), and Au(III) complexes of 2,2'-(1,4-phenylenedivinylene)-bis-8-hydroxyquinoline**
Tavman A., Hayvali M., Filik H., Kilic E.
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.51, no.8, pp.1198-1201, 2006 (SCI-Expanded)
- LXVII. **Spectrophotometric determination of paracetamol in urine with tetrahydroxycalix[4]arene as a coupling reagent and preconcentration with triton X-114 using cloud point extraction**
Filik H., Sener I., Cekic S. D., Kilic E., Apak R.
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.54, no.6, pp.891-896, 2006 (SCI-Expanded)
- LXVIII. **Spectrophotometric determination of paracetamol in urine with tetrahydroxycalix[4]arene as a coupling reagent and preconcentration with Triton X-114 using cloud point extraction**
Filik H., Şener İ., DEMİRCİ ÇEKİÇ S., Kılıç E., APAK M. R.
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.54, pp.891-896, 2006 (SCI-Expanded)
- LXIX. **Simultaneous spectrophotometric determination of paracetamol and p-aminophenol in pharmaceutical products with Tiron using dissolved oxygen as oxidant**
Cekic S., Filik H., Apak R.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.60, no.11, pp.1019-1023, 2005 (SCI-Expanded)
- LXX. **Determination of bismuth and zinc in pharmaceuticals by first derivative UV-Visible spectrophotometry**
Gumus G., Filik H., Demirata B.
ANALYTICA CHIMICA ACTA, vol.547, no.1, pp.138-143, 2005 (SCI-Expanded)
- LXXI. **Simultaneous preconcentration of vanadium(V/IV) species with palmitoyl quinolin-8-ol bonded to amberlite XAD 2 and their separate spectrophotometric determination with 4-(2-pyridylazo)-resorcinol using CDTA as masking agent**
Filik H., Berker K., Balkis N., Apak R.
ANALYTICA CHIMICA ACTA, vol.518, pp.173-179, 2004 (SCI-Expanded)
- LXXII. **Use of the molybdenum-thiocyanate-rhodamine 6G ternary complex for spectrophotometric molybdenum determination without extraction**
Filik H., Tutem E., Apak R.
ANALYTICA CHIMICA ACTA, vol.505, no.1, pp.77-82, 2004 (SCI-Expanded)
- LXXIII. **Use of an o-aminobenzoic acid-functionalized XAD-4 copolymer resin for the separation and preconcentration of heavy metal(II) ions**
Cekic S., Filik H., Apak R.
ANALYTICA CHIMICA ACTA, vol.505, no.1, pp.15-24, 2004 (SCI-Expanded)
- LXXIV. **Speciation analysis of chromium by separation on a 5-palmitoyl oxine-functionalized XAD-2 resin and spectrophotometric determination with diphenylcarbazide**
Filik H., Dogutan M., Apak R.
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.376, no.6, pp.928-933, 2003 (SCI-Expanded)
- LXXV. **Preconcentration and speciation of chromium using a melamine based polymeric sequestering succinic acid resin: its application for Cr(VI) and Cr(III) determination in wastewater**
Dogutan M., Filik H., Tor I.
TALANTA, vol.59, no.5, pp.1053-1060, 2003 (SCI-Expanded)
- LXXVI. **Preconcentration and speciation of chromium(III) in waters by using 5-palmitoyl-8-hydroxyquinoline immobilized on a nonpolar adsorbent**

- Filik H.
MICROCHIMICA ACTA, vol.140, pp.205-210, 2002 (SCI-Expanded)
- LXXVII. **Spectrophotometric determination of gallium(III) with rutin**
Filik H., Doğutan M., Tutem E., Apak R.
ANALYTICAL SCIENCES, vol.18, no.8, pp.955-957, 2002 (SCI-Expanded)
- LXXVIII. **Metal ion preconcentration with amberlite XAD-2 functionalized with 5-palmitoyl-8-hydroxyquinoline and its analytical applications**
Filik H.
ANALYTICAL LETTERS, vol.35, no.5, pp.881-894, 2002 (SCI-Expanded)
- LXXIX. **Simultaneous derivative spectrophotometric determination of cobalt(II) and nickel(II) by dithizone without extraction**
Ozturk D., Filik H., Tutem E., Apak R.
TALANTA, vol.53, no.1, pp.263-269, 2000 (SCI-Expanded)
- LXXX. **Simultaneous derivative spectrophotometric determination of cobalt(II) and nickel(II) by dithizone without extraction**
Demirata Öztürk B., Filik H., TÜTEM E., APAK M. R.
TALANTA, vol.53, pp.263-269, 2000 (SCI-Expanded)
- LXXXI. **The use of palmitoyl hydroxyquinoline-functionalized amberlite XAD-2 copolymer resin for the preconcentration and speciation analysis of gallium(III)**
Doğutan M., Filik H., DEMİRCİ ÇEKİÇ S., APAK M. R.
SEPARATION SCIENCE AND TECHNOLOGY, vol.35, pp.2083-2096, 2000 (SCI-Expanded)
- LXXXII. **Separation of Cr(III) and Cr(VI) using melamine-formaldehyde resin and determination of both species in water by FAAS**
FİLİK H.
FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY, vol.356, no.6, pp.375-377, 1998 (SCI-Expanded)
- LXXXIII. **Spectrophotometric determination of gallium(III) with carminic acid and hexadecylpyridinium chloride**
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