

Volume 80, Issue 1

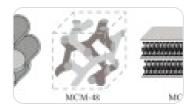
January 2025



28 articles in this issue

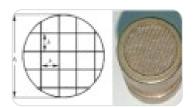
Ordered Mesoporous Silicas in Modern Versions of Solid-Phase Extraction

A. S. ZavalyuevaS. I. KarpovV. F. Selemenev **REVIEWS** | 15 April 2025 | Pages: 1 - 14



Principles of the Injection of Organic Substances into a Gas Chromatographic Column by Thermal Desorption Depending on the Volatility of the Mixture Components

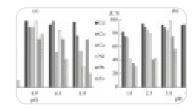
M. N. BaldinV. M. GruznovV. V. Fedotov **REVIEWS** | 15 April 2025 | Pages: 15 - 23



Extraction of Heavy Metal Ions from Aqueous Solutions into In Situ Formed Ionic Liquids Followed by Determination by Microwave Plasma Atomic Emission Spectrometry

S. V. SmirnovaD. V. Ilin

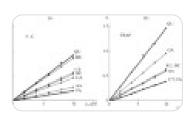
ARTICLES | 15 April 2025 | Pages: 24 - 33



Interval Estimates of the Total Content of Antioxidants for Different Analytical Assays

V. I. Vershinin

ARTICLES | 15 April 2025 | Pages: 34 - 42



Validated Spectrophotometric Approaches to the Determination of Teriflunomide in Active Pharmaceutical Ingredients and Pharmaceutical Dosage Forms

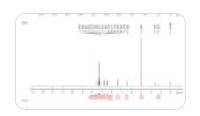
Mai M. MoraShereen A. BoltiaHala E. Zaazaa ARTICLES | 15 April 2025 | Pages: 43 - 49



A Colorimetric Detection Probe for Iron(III) with a Naphthalene-Based Schiff Base

Mayuri S. KulkarniAshok V. BorhadeAnkita M. Rayate

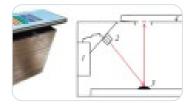
ARTICLES | 15 April 2025 | Pages: 50 - 60



Nondestructive Control of Medicines by a Colormetric Method Using a Smartphone and the PhotoMetrix PRO® Application

V. G. AmelinO. E. Emel'yanov

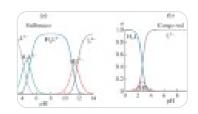
ARTICLES | 15 April 2025 | Pages: 61 - 69



Sorption-Spectroscopic Determination of Dimedrol as Ion Associates with Anionic Azo Dyes

M. M. OsmanovaT. I. TikhomirovaKh. A. Mirzaeva

ARTICLES | 15 April 2025 | Pages: 70 - 75



Luminescence Determination of Dopamine Using a Photocamera

S. A. GromovaM. V. MatiashYu. A. Zolotov

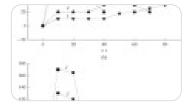
ARTICLES | 15 April 2025 | Pages: 76 - 84



Study of the Evaporation Mechanism of Impurity Elements in the Analysis of High-Purity Graphite Powder with Fluorine Additives by Arc Atomic Emission Spectrometry

N. I. ZolotarevaS. S. Grazhulene

ARTICLES | 15 April 2025 | Pages: 85 - 95



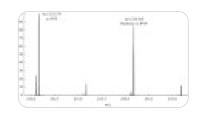
Determination of Gallium in Nickel and Iron Alloys by Inductively Coupled Plasma Atomic Emission Spectrometry with Preseparation from the Matrix

A. A. BelozerovaA. V. MayorovaM. N. Bardina ARTICLES | 15 April 2025 | Pages: 96 - 103



Rapid Assessment of Urine Samples by Atmospheric Pressure Laser Plasma Ionization Mass Spectrometry

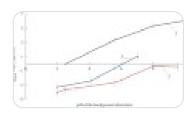
S. I. TimakovaYa. I. SimakinaA. A. Grechnikov ARTICLES | 15 April 2025 | Pages: 104 - 111



Physically Adsorbed Chitosan-Based Coatings for the Electrophoretic Separation of Biologically Active Substances

E. A. KolobovaE. R. ZiangirovaL. A. Kartsova

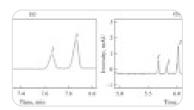
ARTICLES | 15 April 2025 | Pages: 112 - 123



Comparative Characterization of Different Versions of Electrophoretic Determination of Mono- and Disaccharides with Prior Derivatization

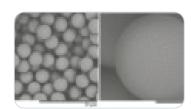
A. V. MaliushevskaL. A. Kartsova

ARTICLES | 15 April 2025 | Pages: 124 - 133



Application of Sulphonated Styrene and Divinylbenzene Copolymers with Various Degrees of Crosslinking to Ion Exclusion Chromatography

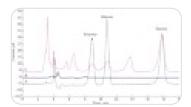
A. Yu. LaptevN. B. RozhmanovaP. N. Nesterenko **ARTICLES** | 15 April 2025 | Pages: 134 - 147



Determination of Nourishing Saccharides in *Pueraria*tuberosa through the Application of an Analytically Validated Method of Hydrophilic Interaction Liquid Chromatography with Charged Aerosol Detection

Manali NimseSaira Mulla

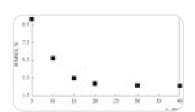
ARTICLES | 15 April 2025 | Pages: 148 - 153



Principle of Comprehensive Calibration of a Portable Gas Chromatograph with a Photoionization Detector for Geochemical Prospecting of Hydrocarbon Deposits

M. N. BaldinV. M. Gruznov

ARTICLES | 15 April 2025 | Pages: 154 - 160



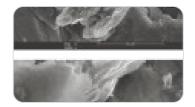
Flow-Injection Amperometric Detection of Tetracycline in Honey Using an Electrode Modified with Gold, Palladium, and Reduced Graphene Oxide



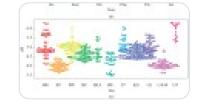
L. G. ShaidarovaA. A. PozdnyakH. C. Budnikov **ARTICLES** | 15 April 2025 | Pages: 161 - 168

Stripping Voltammetric Determination of the Antiviral Drug Ribavirin in Pharmaceutical Formulations and Human Serum

Amr M. BeltagiGamal K. GomaaAya R. Elgaml ARTICLES | 15 April 2025 | Pages: 169 - 181



Exploring Forest Soils Variability Based on Physicochemical Properties Using Correspondence Analysis and Classification and Regression Tree for Forensic Provenance Analysis



Nadirah Abd HamidMuhamad Hilmi BabaLoong Chuen Lee

ARTICLES | 15 April 2025 | Pages: 182 - 194

Erratum to: Sample Screening and Determination of 214 Veterinary Drug Residues in Food Using Chromatography–High-Resolution Mass Spectrometry

V. G. AmelinO. I. LavrukhinaL. K. Kish

Erratum | Open access | 15 April 2025 | Pages: 195 - 195

Erratum to: Detecting Trace Amounts of Peroxides and Ammonium Nitrate in Fingerprints by Ion Mobility Spectrometry

T. I. Buryakovl. A. Buryakov

Erratum | Open access | 15 April 2025 | Pages: 196 - 196

Erratum to: Methods for the Extraction of Organic Compounds from Solid Samples: 1. Solvent Extraction. Review of Reviews

S. G. DmitrienkoV. V. ApyariYu. A. Zolotov

Erratum | Open access | 15 April 2025 | Pages: 197 - 197

Erratum to: Application of a Composite Based on Magnetite

Nanoparticles, Graphene Oxide, and an Ionic Liquid for the Extraction

of Bisphenol A from Bottom Sediments by the Matrix Solid-Phase Dispersion Method

A. S. GubinP. T. SukhanovA. A. Kushnir

Erratum | Open access | 15 April 2025 | Pages: 198 - 198

Erratum to: Membrane Chromatographic Test System for Determining Bisphenol A in Drinking Water Based on the Use of an Aptamer

N. S. KomovaK. V. SerebrennikovaB. B. Dzantiev

Erratum | Open access | 15 April 2025 | Pages: 199 - 199

Erratum to: New Trends in Chemical Identification Methodology

B. L. Milmanl. K. Zhurkovich

Erratum | Open access | 15 April 2025 | Pages: 200 - 200

Erratum to: Voltammetric DNA Sensors for the DNA Damage Detection Using Poly (Acridine Orange) Coatings Deposited from Reline and Glyceline

A. V. PorfirevaZ. F. KhusnutdinovaG. A. Evtyugin

Erratum | Open access | 15 April 2025 | Pages: 201 - 201

Erratum to: Evolution of Contactless Conductometry Methods

E. A. YuskinaV. V. PanchukD. O. Kirsanov

Erratum | Open access | 15 April 2025 | Pages: 202 - 202