



ELSEVIER

Available online at www.sciencedirect.com

SCIENCE @ DIRECT®

Journal of Chromatography A, 1000 (2003) 1005–1014

JOURNAL OF
CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

Subject Index Vol. 1000

Accuracy

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Alkylphenols

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Alkyl-silica columns, type B

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Amino acids

Evaluation of methods for measuring amino acid hydrophobicities and interactions (Review) 1000(2003)637

Antibiotics

Analytical method for the determination of the aminoglycoside gentamicin in hospital wastewater via liquid chromatography–electrospray-tandem mass spectrometry 1000(2003)583

Atmospheric pressure chemical ionization

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Atmospheric pressure electron capture negative ion-MS

Strategies for the liquid chromatographic–mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Atmospheric pressure ionization

Liquid chromatography–mass spectrometry and strategies for trace-level analysis of polar organic pollutants (Review) 1000(2003)477

Atmospheric pressure photoionization

Strategies for the liquid chromatographic–mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Atomic emission detection

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Baby food

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1000(2003)299

Bioactivity

Strategies for the determination of bioactive phenols in plants, fruit and vegetables (Review) 1000(2003)657

Brominated flame retardants

Developments in the use of chromatographic techniques in marine laboratories for the determination of halogenated contaminants and polycyclic aromatic hydrocarbons (Review) 1000(2003)223

Buffer composition

On-line micellar electrokinetic chromatography–mass spectrometry: feasibility of direct introduction of non-volatile buffer and surfactant into the electrospray interface 1000(2003)953

Calibration

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Capillary electrophoresis–mass spectrometry

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Cation-exchange behavior

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Chemical warfare agents

Derivatisation reactions in the chromatographic analysis of chemical warfare agents and their degradation products (Review) 1000(2003)253

Chiral recognition

Enantioselective ligand exchange in modern separation techniques (Review) 1000(2003)891

Chlorinated hydrocarbons

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Chlorinated monocyclic aromatic hydrocarbons

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Column selectivity

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Columns

Silica gel-based monoliths prepared by the sol-gel method: facts and figures (Review) 1000(2003)801

Compound B

Extraordinary chiral discrimination in inclusion gas chromatography. Thermodynamics of enantioselectivity between a racemic perfluorodiether and a modified γ -cyclodextrin 1000(2003)311

Comprehensive chromatography

Comprehensive two-dimensional liquid chromatography \times gas chromatography: evaluation of the applicability for the analysis of edible oils and fats 1000(2003)385

Conductivity detection

Developments in suppressor technology for inorganic ion analysis by ion chromatography using conductivity detection (Review) 1000(2003)725

Contaminants

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Continuous beds

Silica gel-based monoliths prepared by the sol-gel method: facts and figures (Review) 1000(2003)801

Coordination ionspray

Strategies for the liquid chromatographic-mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Copolymers

Comprehensive two-dimensional liquid chromatography of polymers 1000(2003)693

Derivatization, GC

Derivatisation reactions in the chromatographic analysis of chemical warfare agents and their degradation products (Review) 1000(2003)253

Derivatization, LC

Derivatisation reactions in the chromatographic analysis of chemical warfare agents and their degradation products (Review) 1000(2003)253

Detection, capillary techniques

Hyphenation of capillary separations with nuclear magnetic resonance spectroscopy (Review) 1000(2003)819

Detection, FFPC

Progress in forced-flow planar chromatography (Review) 1000(2003)985

Detection, LC

The role of chromatography in the hunt for red tide toxins (Review) 1000(2003)527

Detectors, LC

Liquid chromatography-inductively coupled plasma mass spectrometry (Review) 1000(2003)457

Diffusion

(Micellar) electrokinetic chromatography: an interesting solution for the liquid phase separation dilemma (Review) 1000(2003)935

Diode-array UV absorbance detection

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Doping control

Application of comprehensive two-dimensional gas chromatography to drugs analysis in doping control (Review) 1000(2003)109

Drug analysis

Application of comprehensive two-dimensional gas chromatography to drugs analysis in doping control (Review) 1000(2003)109

Dynamic pH junction-sweeping

On-line preconcentration strategies for trace analysis of metabolites by capillary electrophoresis (Review) 1000(2003)917

Electrochemical conversion

Strategies for the liquid chromatographic-mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Electrokinetic chromatography

(Micellar) electrokinetic chromatography: an interesting solution for the liquid phase separation dilemma (Review) 1000(2003)935

Electromigration techniques

Enantioselective ligand exchange in modern separation techniques (Review) 1000(2003)891

Electrospray interface

On-line micellar electrokinetic chromatography–mass spectrometry: feasibility of direct introduction of non-volatile buffer and surfactant into the electrospray interface 1000(2003)953

Electrospray ionization

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Electro-planar chromatography

Progress in forced-flow planar chromatography (Review) 1000(2003)985

Elemental speciation

Liquid chromatography–inductively coupled plasma mass spectrometry (Review) 1000(2003)457

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Enantiomer separation

Determination of the interconversion energy barrier of enantiomers by separation methods (Review) 1000(2003)779

Enantioselective ligand exchange in modern separation techniques (Review) 1000(2003)891

Enantioselective inclusion, GC

Extraordinary chiral discrimination in inclusion gas chromatography. Thermodynamics of enantioselectivity between a racemic perfluorodiether and a modified γ -cyclodextrin 1000(2003)311

Enantioselective ligand exchange

Enantioselective ligand exchange in modern separation techniques (Review) 1000(2003)891

Enantioselectivity

Extraordinary chiral discrimination in inclusion gas chromatography. Thermodynamics of enantioselectivity between a racemic perfluorodiether and a modified γ -cyclodextrin 1000(2003)311

Endocrine disrupting compounds

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Energy barrier to interconversion

Determination of the interconversion energy barrier of enantiomers by separation methods (Review) 1000(2003)779

Environmental analysis

Modern developments in gas chromatography–mass spectrometry-based environmental analysis (Review) 1000(2003)125

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Estrogens

Measurement of endogenous estrogens: analytical challenges and recent advances (Review) 1000(2003)401

Evaporation methods

On-line coupled liquid chromatography–gas chromatography (Review) 1000(2003)357

Fast gas chromatography

Fast gas chromatography and its use in trace analysis (Review) 1000(2003)199

Fast gas chromatography–mass spectrometry

Practical approaches to fast gas chromatography–mass spectrometry (Review) 1000(2003)153

Fats

Comprehensive two-dimensional liquid chromatography \times gas chromatography: evaluation of the applicability for the analysis of edible oils and fats 1000(2003)385

Food analysis

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Forced-flow planar chromatography

Progress in forced-flow planar chromatography (Review) 1000(2003)985

Fourier-transform infrared spectroscopy

Hyphenation and hyphenation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Fruit

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1000(2003)299

Strategies for the determination of bioactive phenols in plants, fruit and vegetables (Review) 1000(2003)657

Gas chromatography

Practical approaches to fast gas chromatography–mass spectrometry (Review) 1000(2003)153

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Gas chromatography, comprehensive two-dimensional

Comprehensive two-dimensional gas chromatography: a powerful and versatile analytical tool (Review) 1000(2003)69

Application of comprehensive two-dimensional gas chromatography to drugs analysis in doping control (Review) 1000(2003)109

Gas chromatography–mass spectrometry

Modern developments in gas chromatography–mass spectrometry-based environmental analysis (Review) 1000(2003)125

Gentamicin

Analytical method for the determination of the aminoglycoside gentamicin in hospital wastewater via liquid chromatography–electrospray-tandem mass spectrometry 1000(2003)583

High-throughput screening

Progress in liquid chromatography–mass spectrometry instrumentation and its impact on high-throughput screening (Review) 1000(2003)413

Hospital wastewater

Analytical method for the determination of the aminoglycoside gentamicin in hospital wastewater via liquid chromatography–electrospray-tandem mass spectrometry 1000(2003)583

Hydrogen bond acidity

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Hydrogen bond basicity

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Hydrophobic interaction chromatography

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Hydrophobicity

Evaluation of methods for measuring amino acid hydrophobicities and interactions (Review) 1000(2003)637

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Hypernation

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Hyphenated techniques

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Hyphenation of capillary separations with nuclear magnetic resonance spectroscopy (Review) 1000(2003)819

Immunoaffinity extraction

Immuno-based sample preparation for trace analysis (Review) 1000(2003)29

Immunoextraction

Immuno-based sample preparation for trace analysis (Review) 1000(2003)29

Immunofiltration

Immuno-based sample preparation for trace analysis (Review) 1000(2003)29

Inductively coupled plasma mass spectrometry

Liquid chromatography–inductively coupled plasma mass spectrometry (Review) 1000(2003)457

Injection techniques

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Inorganic ions

Developments in suppressor technology for inorganic ion analysis by ion chromatography using conductivity detection (Review) 1000(2003)725

Instrumentation, fast GC

Fast gas chromatography and its use in trace analysis (Review) 1000(2003)199

Instrumentation, LC–MS

Progress in liquid chromatography–mass spectrometry instrumentation and its impact on high-throughput screening (Review) 1000(2003)413

Interconversion energy barrier

Determination of the interconversion energy barrier of enantiomers by separation methods (Review) 1000(2003)779

Interfaces, LC–GC

On-line coupled liquid chromatography–gas chromatography (Review) 1000(2003)357

Interfaces, LC–MS

Progress in liquid chromatography–mass spectrometry instrumentation and its impact on high-throughput screening (Review) 1000(2003)413

Interfaces, MEKC–MS

On-line micellar electrokinetic chromatography–mass spectrometry: feasibility of direct introduction of non-volatile buffer and surfactant into the electrospray interface 1000(2003)953

Ion chromatography

Evolution of ion-exchange: from Moses to the Manhattan Project to Modern Times (Review) 1000(2003)711

Developments in suppressor technology for inorganic ion analysis by ion chromatography using conductivity detection (Review) 1000(2003)725

Ion exchange

Evolution of ion-exchange: from Moses to the Manhattan Project to Modern Times (Review) 1000(2003)711

Ionization techniques

Progress in liquid chromatography–mass spectrometry instrumentation and its impact on high-throughput screening (Review) 1000(2003)413

Ligand exchange

Enantioselective ligand exchange in modern separation techniques (Review) 1000(2003)891

Lipodex E

Extraordinary chiral discrimination in inclusion gas chromatography. Thermodynamics of enantioselectivity between a racemic perfluorodiether and a modified γ -cyclodextrin 1000(2003)311

Liquid chromatography

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Liquid chromatography, comprehensive two-dimensional

Comprehensive two-dimensional liquid chromatography of polymers 1000(2003)693

Liquid chromatography–gas chromatography

On-line coupled liquid chromatography–gas chromatography (Review) 1000(2003)357

Liquid chromatography–mass spectrometry

Progress in liquid chromatography–mass spectrometry instrumentation and its impact on high-throughput screening (Review) 1000(2003)413

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Strategies for the liquid chromatographic–mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Contributions of liquid chromatography–mass spectrometry to “highlights” of biomedical research (Review) 1000(2003)567

Recent liquid chromatographic–(tandem) mass spectrometric applications in proteomics (Review) 1000(2003)589

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Liquid chromatography×gas chromatography, comprehensive two-dimensional

Comprehensive two-dimensional liquid chromatography×gas chromatography: evaluation of the applicability for the analysis of edible oils and fats 1000(2003)385

Marine laboratories

Developments in the use of chromatographic techniques in marine laboratories for the determination of halogenated contaminants and polycyclic aromatic hydrocarbons (Review) 1000(2003)223

Marine toxins

The role of chromatography in the hunt for red tide toxins (Review) 1000(2003)527

Mass analysis

Progress in liquid chromatography–mass spectrometry instrumentation and its impact on high-throughput screening (Review) 1000(2003)413

Mass spectrometry

Modern developments in gas chromatography–mass spectrometry-based environmental analysis (Review) 1000(2003)125

Practical approaches to fast gas chromatography–mass spectrometry (Review) 1000(2003)153

Derivatisation reactions in the chromatographic analysis of chemical warfare agents and their degradation products (Review) 1000(2003)253

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Liquid chromatography with ultraviolet absorbance–mass spectrometric detection and with nuclear magnetic resonance spectrometry: a powerful combination for the on-line structural investigation of plant metabolites (Review) 1000(2003)437

The role of chromatography in the hunt for red tide toxins (Review) 1000(2003)527

Strategies for the liquid chromatographic–mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Matrix effects

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Matrix-assisted laser desorption ionization

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Mebeverine

On-line micellar electrokinetic chromatography–mass spectrometry: feasibility of direct introduction of non-volatile buffer and surfactant into the electrospray interface 1000(2003)953

Metabolite profiling

Liquid chromatography with ultraviolet absorbance–mass spectrometric detection and with nuclear magnetic resonance spectrometry: a powerful combination for the on-line structural investigation of plant metabolites (Review) 1000(2003)437

Metabolites

On-line preconcentration strategies for trace analysis of metabolites by capillary electrophoresis (Review) 1000(2003)917

Metal cations

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Micellar electrokinetic chromatography

(Micellar) electrokinetic chromatography: an interesting solution for the liquid phase separation dilemma (Review) 1000(2003)935

On-line micellar electrokinetic chromatography–mass spectrometry: feasibility of direct introduction of non-volatile buffer and surfactant into the electrospray interface 1000(2003)953

Microcoil

Hyphenation of capillary separations with nuclear magnetic resonance spectroscopy (Review) 1000(2003)819

Microcolumns

Miniaturized sample preparation combined with liquid phase separations (Review) 1000(2003)53

Miniaturization

Miniaturized sample preparation combined with liquid phase separations (Review) 1000(2003)53

Modulation

Comprehensive two-dimensional gas chromatography: a powerful and versatile analytical tool (Review) 1000(2003)69

Molecular imprinting

Before the injection—modern methods of sample preparation for separation techniques (Review) 1000(2003)3

Immuno-based sample preparation for trace analysis (Review) 1000(2003)29

Monocyclic aromatic hydrocarbons

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Monolithic columns

Silica gel-based monoliths prepared by the sol–gel method: facts and figures (Review) 1000(2003)801

Multidimensional gas chromatography

Comprehensive two-dimensional gas chromatography: a powerful and versatile analytical tool (Review) 1000(2003)69

Multidimensional liquid-phase-based separation techniques

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Multi-residue analysis

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1000(2003)299

Non-covalent interactions

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Non-polar compounds

Strategies for the liquid chromatographic–mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Nuclear magnetic resonance spectroscopy

Hyphenation and hypernation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

Liquid chromatography with ultraviolet absorbance–mass spectrometric detection and with nuclear magnetic resonance spectrometry: a powerful combination for the on-line structural investigation of plant metabolites (Review) 1000(2003)437

Hyphenation of capillary separations with nuclear magnetic resonance spectroscopy (Review) 1000(2003)819

Oils

Comprehensive two-dimensional liquid chromatography×gas chromatography: evaluation of the applicability for the analysis of edible oils and fats 1000(2003)385

On-line preconcentration

On-line preconcentration strategies for trace analysis of metabolites by capillary electrophoresis (Review) 1000(2003)917

Organochlorine pesticides

Developments in the use of chromatographic techniques in marine laboratories for the determination of halogenated contaminants and polycyclic aromatic hydrocarbons (Review) 1000(2003)223

Orthogonal separation

Comprehensive two-dimensional gas chromatography: a powerful and versatile analytical tool (Review) 1000(2003)69

Overpressured-layer chromatography

Progress in forced-flow planar chromatography (Review) 1000(2003)985

Peptides

Recent liquid chromatographic–(tandem) mass spectrometric applications in proteomics (Review) 1000(2003)589

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Perfluorodiether, chiral

Extraordinary chiral discrimination in inclusion gas chromatography. Thermodynamics of enantioselectivity between a racemic perfluorodiether and a modified γ -cyclodextrin 1000(2003)311

Perfusion chromatography

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Pesticides

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1000(2003)299

Pharmaceuticals

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Phenols

Strategies for the determination of bioactive phenols in plants, fruit and vegetables (Review) 1000(2003)657

Planar chromatography

Thin-layer chromatography: challenges and opportunities (Review) 1000(2003)963

Plant metabolites

Liquid chromatography with ultraviolet absorbance–mass spectrometric detection and with nuclear magnetic resonance spectrometry: a powerful combination for the on-line structural investigation of plant metabolites (Review) 1000(2003)437

Plants

Strategies for the determination of bioactive phenols in plants, fruit and vegetables (Review) 1000(2003)657

Pollutants

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Pollutants, polar

Liquid chromatography–mass spectrometry and strategies for trace-level analysis of polar organic pollutants (Review) 1000(2003)477

Polychlorinated biphenyls

Developments in the use of chromatographic techniques in marine laboratories for the determination of halogenated contaminants and polycyclic aromatic hydrocarbons (Review) 1000(2003)223

Polymers

Comprehensive two-dimensional liquid chromatography of polymers 1000(2003)693

Polynuclear aromatic hydrocarbons

Developments in the use of chromatographic techniques in marine laboratories for the determination of halogenated contaminants and polycyclic aromatic hydrocarbons (Review) 1000(2003)223

Pressure-tunable selectivity

Practical approaches to fast gas chromatography–mass spectrometry (Review) 1000(2003)153

Prolintane metabolites

Application of comprehensive two-dimensional gas chromatography to drugs analysis in doping control (Review) 1000(2003)109

Proteins

Recent liquid chromatographic–(tandem) mass spectrometric applications in proteomics (Review) 1000(2003)589

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Proteomics

Recent liquid chromatographic–(tandem) mass spectrometric applications in proteomics (Review) 1000(2003)589

Reference materials

The role of chromatography in the hunt for red tide toxins (Review) 1000(2003)527

Retention increment

Extraordinary chiral discrimination in inclusion gas chromatography. Thermodynamics of enantioselectivity between a racemic perfluorodiether and a modified γ -cyclodextrin 1000(2003)311

Retention time locking

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1000(2003)299

Reviews

Before the injection—modern methods of sample preparation for separation techniques (Review) 1000(2003)3

Immuno-based sample preparation for trace analysis (Review) 1000(2003)29

Miniaturized sample preparation combined with liquid phase separations (Review) 1000(2003)53

Comprehensive two-dimensional gas chromatography: a powerful and versatile analytical tool (Review) 1000(2003)69

Application of comprehensive two-dimensional gas chromatography to drugs analysis in doping control (Review) 1000(2003)109

Modern developments in gas chromatography–mass spectrometry-based environmental analysis (Review) 1000(2003)125

Practical approaches to fast gas chromatography–mass spectrometry (Review) 1000(2003)153

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Fast gas chromatography and its use in trace analysis (Review) 1000(2003)199

Developments in the use of chromatographic techniques in marine laboratories for the determination of halogenated contaminants and polycyclic aromatic hydrocarbons (Review) 1000(2003)223

Derivatisation reactions in the chromatographic analysis of chemical warfare agents and their degradation products (Review) 1000(2003)253

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Hyphenation and hyphenation. The practice and prospects of multiple hyphenation (Review) 1000(2003)325

On-line coupled liquid chromatography–gas chromatography (Review) 1000(2003)357

Measurement of endogenous estrogens: analytical challenges and recent advances (Review) 1000(2003)401

Progress in liquid chromatography–mass spectrometry instrumentation and its impact on high-throughput screening (Review) 1000(2003)413

Liquid chromatography with ultraviolet absorbance–mass spectrometric detection and with nuclear magnetic resonance spectrometry: a powerful combination for the on-line structural investigation of plant metabolites (Review) 1000(2003)437

Liquid chromatography–inductively coupled plasma mass spectrometry (Review) 1000(2003)457

Liquid chromatography–mass spectrometry and strategies for trace-level analysis of polar organic pollutants (Review) 1000(2003)477

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

The role of chromatography in the hunt for red tide toxins (Review) 1000(2003)527

Strategies for the liquid chromatographic–mass spectrometric analysis of non-polar compounds (Review) 1000(2003)549

Contributions of liquid chromatography–mass spectrometry to “highlights” of biomedical research (Review) 1000(2003)567

Recent liquid chromatographic–(tandem) mass spectrometric applications in proteomics (Review) 1000(2003)589

Analysis of food proteins and peptides by chromatography and mass spectrometry (Review) 1000(2003)609

Evaluation of methods for measuring amino acid hydrophobicities and interactions (Review) 1000(2003)637

Strategies for the determination of bioactive phenols in plants, fruit and vegetables (Review) 1000(2003)657

Evolution of ion-exchange: from Moses to the Manhattan Project to Modern Times (Review) 1000(2003)711

Developments in suppressor technology for inorganic ion analysis by ion chromatography using conductivity detection (Review) 1000(2003)725

High-temperature liquid chromatography (Review) 1000(2003)743

Determination of the interconversion energy barrier of enantiomers by separation methods (Review) 1000(2003)779

Silica gel-based monoliths prepared by the sol–gel method: facts and figures (Review) 1000(2003)801

Hyphenation of capillary separations with nuclear magnetic resonance spectroscopy (Review) 1000(2003)819

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Enantioselective ligand exchange in modern separation techniques (Review) 1000(2003)891

On-line preconcentration strategies for trace analysis of metabolites by capillary electrophoresis (Review) 1000(2003)917

(Micellar) electrokinetic chromatography: an interesting solution for the liquid phase separation dilemma (Review) 1000(2003)935

Thin-layer chromatography: challenges and opportunities (Review) 1000(2003)963

Progress in forced-flow planar chromatography (Review) 1000(2003)985

Rotation planar separation

Progress in forced-flow planar chromatography (Review) 1000(2003)985

Sample preparation

Before the injection—modern methods of sample preparation for separation techniques (Review) 1000(2003)3

Immuno-based sample preparation for trace analysis (Review) 1000(2003)29

Miniaturized sample preparation combined with liquid phase separations (Review) 1000(2003)53

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Scheldt estuary

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Selectivity

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Sex hormones

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Solid-phase extraction

Before the injection—modern methods of sample preparation for separation techniques (Review) 1000(2003)3

Immuno-based sample preparation for trace analysis (Review) 1000(2003)29

Analytical method for the determination of the aminoglycoside gentamicin in hospital wastewater via liquid chromatography–electrospray-tandem mass spectrometry 1000(2003)583

Solid-phase microextraction

Before the injection—modern methods of sample preparation for separation techniques (Review) 1000(2003)3

Miniaturized sample preparation combined with liquid phase separations (Review) 1000(2003)53

Solvent extraction

Before the injection—modern methods of sample preparation for separation techniques (Review) 1000(2003)3

Sol–gel

Silica gel-based monoliths prepared by the sol–gel method: facts and figures (Review) 1000(2003)801

Speciation

The potential of organic (electrospray- and atmospheric pressure chemical ionisation) mass spectrometric techniques coupled to liquid-phase separation for speciation analysis (Review) 1000(2003)841

Stationary phases, CEC

Silica gel-based monoliths prepared by the sol–gel method: facts and figures (Review) 1000(2003)801

Stationary phases, LC

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Silica gel-based monoliths prepared by the sol–gel method: facts and figures (Review) 1000(2003)801

Steric selectivity

Column selectivity in reversed-phase liquid chromatography. IV. Type-B alkyl-silica columns 1000(2003)757

Steroids

Liquid chromatography–(tandem) mass spectrometry of selected emerging pollutants (steroid sex hormones, drugs and alkylphenolic surfactants) in the aquatic environment (Review) 1000(2003)503

Sterol esters

Comprehensive two-dimensional liquid chromatography×gas chromatography: evaluation of the applicability for the analysis of edible oils and fats 1000(2003)385

Stir bar sorptive extraction

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1000(2003)299

Structural investigation

Liquid chromatography with ultraviolet absorbance–mass spectrometric detection and with nuclear magnetic resonance spectrometry: a powerful combination for the on-line structural investigation of plant metabolites (Review) 1000(2003)437

Supercritical fluid extraction

Before the injection—modern methods of sample preparation for separation techniques (Review) 1000(2003)3

Suppressors

Developments in suppressor technology for inorganic ion analysis by ion chromatography using conductivity detection (Review) 1000(2003)725

Surfactant concentration

On-line micellar electrokinetic chromatography–mass spectrometry: feasibility of direct introduction of non-volatile buffer and surfactant into the electrospray interface 1000(2003)953

Sweeping

On-line preconcentration strategies for trace analysis of metabolites by capillary electrophoresis (Review) 1000(2003)917

Switching valve

Comprehensive two-dimensional liquid chromatography of polymers 1000(2003)693

Temperature effects

High-temperature liquid chromatography (Review) 1000(2003)743

Temperature programming

High-temperature liquid chromatography (Review) 1000(2003)743

Thin-layer chromatography

Thin-layer chromatography: challenges and opportunities (Review) 1000(2003)963

Toxins

The role of chromatography in the hunt for red tide toxins (Review) 1000(2003)527

Trace analysis

Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices (Review) 1000(2003)181

Fast gas chromatography and its use in trace analysis (Review) 1000(2003)199

Triglycerides

Comprehensive two-dimensional liquid chromatography×gas chromatography: evaluation of the applicability for the analysis of edible oils and fats 1000(2003)385

Vegetables

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1000(2003)299

Volatile organic compounds

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Water analysis

State-of-the-art of gas chromatography-based methods for analysis of anthropogenic volatile organic compounds in estuarine waters, illustrated with the river Scheldt as an example (Review) 1000(2003)283

Liquid chromatography–mass spectrometry and strategies for trace-level analysis of polar organic pollutants (Review) 1000(2003)477

Analytical method for the determination of the aminoglycoside gentamicin in hospital wastewater via liquid chromatography–electrospray-tandem mass spectrometry 1000(2003)583

Wax esters

Comprehensive two-dimensional liquid chromatography×gas chromatography: evaluation of the applicability for the analysis of edible oils and fats 1000(2003)385