

Subject Index Vol. 1083

Aflatoxin M₁

High-performance liquid chromatography with post-column derivatisation and fluorescence detection for sensitive determination of aflatoxin M₁ in milk and cheese 1083(2005)219

Aflatoxin

Determination of aflatoxin B₁ in sidestream cigarette smoke by immunoaffinity column extraction coupled with liquid chromatography/mass spectrometry 1083(2005)127

Amylose 3,5-dimethylphenylcarbamate

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Anthracene-2,3-dicarboxaldehyde

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Aqueous samples

On-line hyphenation of quantum cascade laser and capillary electrophoresis 1083(2005)199

Aroma

Enhanced flavour extraction in continuous liquid–liquid extractors 1083(2005)215

Aspergillus

Determination of aflatoxin B₁ in sidestream cigarette smoke by immunoaffinity column extraction coupled with liquid chromatography/mass spectrometry 1083(2005)127

Aurentiamide acetate

Supercritical fluid extraction of aurentiamide acetate from *Patrinia villosa* Juss and subsequent isolation by silica gel and high-speed counter-current chromatography 1083(2005)52

Azole

Quantitation of 13 azole fungicides in wine samples by liquid chromatography–tandem mass spectrometry 1083(2005)113

Basic drugs

Effect of (+) or (–) camphorsulfonic acid additives to the mobile phase on enantioseparations of some basic drugs on a Chiralcel OD column 1083(2005)133

β -Blockers

Resolution of β -blockers on a chiral stationary phase based on (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid: Unusual temperature effect 1083(2005)89

Beer

Determination of ochratoxin A in beer marketed in Spain by liquid chromatography with fluorescence detection using lead hydroxyacetate as a clean-up agent 1083(2005)7

Camphorsulfonic acid

Effect of (+) or (–) camphorsulfonic acid additives to the mobile phase on enantioseparations of some basic drugs on a Chiralcel OD column 1083(2005)133

Capillary coating

Noncovalently bilayer-coated capillaries for efficient and reproducible analysis of proteins by capillary electrophoresis 1083(2005)185

Capillary electrochromatography

Open tubular capillary electrochromatography using capillaries coated with films of alkanethiol-self-assembled gold nanoparticle layers 1083(2005)205

Capillary electrophoresis

Electrophoretic separation of DNA using a new matrix in uncoated capillaries 1083(2005)173

Noncovalently bilayer-coated capillaries for efficient and reproducible analysis of proteins by capillary electrophoresis 1083(2005)185

Capillary zone electrophoresis method for the simultaneous determination of cations in honey 1083(2005)193

On-line hyphenation of quantum cascade laser and capillary electrophoresis 1083(2005)199

Carbon coated zirconia

Separation and detection of the isomeric equine conjugated estrogens, equilin sulfate and $\Delta^{8,9}$ -dehydroestrone sulfate, by liquid chromatography–electrospray-mass spectrometry using carbon-coated zirconia and porous graphitic carbon stationary phases 1083(2005)42

Cations

Capillary zone electrophoresis method for the simultaneous determination of cations in honey 1083(2005)193

Cetyltrimethylammonium chloride (CTAC)

Ion chromatography for determination of nitrite and nitrate in seawater using monolithic ODS columns 1083(2005)63

Cheese

High-performance liquid chromatography with post-column derivatisation and fluorescence detection for sensitive determination of aflatoxin M₁ in milk and cheese 1083(2005)219

Chip technology

Microchip capillary gel electrophoresis using programmed field strength gradients for the ultra-fast analysis of genetically modified organisms in soybeans 1083(2005)179

Chiral drug

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Chiral separation

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Chiral stationary phases

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Resolution of β -blockers on a chiral stationary phase based on (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid: Unusual temperature effect 1083(2005)89

Chiralcel OD

Effect of (+) or (–) camphorsulfonic acid additives to the mobile phase on enantioseparations of some basic drugs on a Chiralcel OD column 1083(2005)133

CHIRALPAK® IA

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Chromatography tube

Stress distribution and dimensional changes in chromatographic columns 1083(2005)68

Clean-up

Determination of ochratoxin A in beer marketed in Spain by liquid chromatography with fluorescence detection using lead hydroxyacetate as a clean-up agent 1083(2005)7

Cleavage sites

Mass spectrometric characterization of human skin elastin peptides produced by proteolytic digestion with pepsin and thermitase 1083(2005)120

Conjugated estrogens

Separation and detection of the isomeric equine conjugated estrogens, equilin sulfate and $\Delta^{8,9}$ -dehydroestrone sulfate, by liquid chromatography–electrospray-mass spectrometry using carbon-coated zirconia and porous graphitic carbon stationary phases 1083(2005)42

Counter-current chromatography

Supercritical fluid extraction of aurenthamide acetate from *Patrinia villosa* Juss and subsequent isolation by silica gel and high-speed counter-current chromatography 1083(2005)52

Preparative isolation and purification of phillyrin from the medicinal plant *Forsythia suspensa* by high-speed counter-current chromatography 1083(2005)102

(+)-(18-Crown-6)-2,3,11,12-tetracarboxylic acid

Resolution of β -blockers on a chiral stationary phase based on (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid: Unusual temperature effect 1083(2005)89

De novo sequencing

Mass spectrometric characterization of human skin elastin peptides produced by proteolytic digestion with pepsin and thermitase 1083(2005)120

Degree of substitution

Characterization of a new methylated β -cyclodextrin with a low degree of substitution by matrix-assisted laser desorption/ionization mass spectrometry and liquid chromatography using evaporative light scattering detection 1083(2005)106

Dehydroestrone sulfate

Separation and detection of the isomeric equine conjugated estrogens, equilin sulfate and $\Delta^{8,9}$ -dehydroestrone sulfate, by liquid chromatography–electrospray-mass spectrometry using carbon-coated zirconia and porous graphitic carbon stationary phases 1083(2005)42

Derivatization

Development of a procedure for the determination of perfluorocarboxylic acids in sediments by pressurised fluid extraction, headspace solid-phase microextraction followed by gas chromatography–mass spectrometric determination 1083(2005)1

1,2-Dibromoethane

Determination of 1,2-dibromoethane, 1,4-dichlorobenzene and naphthalene residues in honey by gas chromatography–mass spectrometry using purge and trap thermal desorption extraction 1083(2005)146

1,4-Dichlorobenzene

Determination of 1,2-dibromoethane, 1,4-dichlorobenzene and naphthalene residues in honey by gas chromatography–mass spectrometry using purge and trap thermal desorption extraction 1083(2005)146

Dimensional change

Stress distribution and dimensional changes in chromatographic columns 1083(2005)68

DNA separation

Electrophoretic separation of DNA using a new matrix in uncoated capillaries 1083(2005)173

Dynamic coating

Electrophoretic separation of DNA using a new matrix in uncoated capillaries 1083(2005)173

Efficiency

Noncovalently bilayer-coated capillaries for efficient and reproducible analysis of proteins by capillary electrophoresis 1083(2005)185

Electrospray (ESI)

Quantitation of 13 azole fungicides in wine samples by liquid chromatography–tandem mass spectrometry 1083(2005)113

Electrospray ionization tandem mass spectrometry

Determination and identification of plumbagin from the roots of *Plumbago zeylanica* L. by liquid chromatography with tandem mass spectrometry 1083(2005)141

Enantiomer separation

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Resolution of β -blockers on a chiral stationary phase based on (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid: Unusual temperature effect 1083(2005)89

Endocrine disruption

Quantitation of 13 azole fungicides in wine samples by liquid chromatography–tandem mass spectrometry 1083(2005)113

Equilin sulfate

Separation and detection of the isomeric equine conjugated estrogens, equilin sulfate and $\Delta^{8,9}$ -dehydroestrone sulfate, by liquid chromatography–electrospray-mass spectrometry using carbon-coated zirconia and porous graphitic carbon stationary phases 1083(2005)42

Evaporative light scattering detection

Characterization of a new methylated β -cyclodextrin with a low degree of substitution by matrix-assisted laser desorption/ionization mass spectrometry and liquid chromatography using evaporative light scattering detection 1083(2005)106

Factor of safety

Stress distribution and dimensional changes in chromatographic columns 1083(2005)68

Fast analysis

Microchip capillary gel electrophoresis using programmed field strength gradients for the ultra-fast analysis of genetically modified organisms in soybeans 1083(2005)179

Flavan-3-ols

Separation of catechin constituents from five tea cultivars using high-speed counter-current chromatography 1083(2005)223

Flavour

Enhanced flavour extraction in continuous liquid–liquid extractors 1083(2005)215

Fluorescence detection

High-performance liquid chromatography with post-column derivatisation and fluorescence detection for sensitive determination of aflatoxin M₁ in milk and cheese 1083(2005)219

Forsythia suspensa

Preparative isolation and purification of phillyrin from the medicinal plant *Forsythia suspensa* by high-speed counter-current chromatography 1083(2005)102

Fruit

Enhanced flavour extraction in continuous liquid–liquid extractors 1083(2005)215

Fullerenes

Preparation of pyrenebutyric acid bonded silica stationary phases for the application to the separation of fullerenes 1083(2005)23

Gas chromatography

Determining the vapour pressures of plant volatiles from gas chromatographic retention data 1083(2005)161

Enhanced flavour extraction in continuous liquid–liquid extractors 1083(2005)215

Gas chromatography–mass spectrometry

Determination of 1,2-dibromoethane, 1,4-dichlorobenzene and naphthalene residues in honey by gas chromatography–mass spectrometry using purge and trap thermal desorption extraction 1083(2005)146

GC–NCI-MS

Development of a procedure for the determination of perfluorocarboxylic acids in sediments by pressurised fluid extraction, headspace solid-phase microextraction followed by gas chromatographic–mass spectrometric determination 1083(2005)1

Glinus lotoides

Quantitative determination of the group of flavonoids and saponins from the extracts of the seeds of *Glinus lotoides* and tablet formulation thereof by high-performance liquid chromatography 1083(2005)32

Glinoside G

Quantitative determination of the group of flavonoids and saponins from the extracts of the seeds of *Glinus lotoides* and tablet formulation thereof by high-performance liquid chromatography 1083(2005)32

GMO

Microchip capillary gel electrophoresis using programmed field strength gradients for the ultra-fast analysis of genetically modified organisms in soybeans 1083(2005)179

Gold nanoparticles

Open tubular capillary electrochromatography using capillaries coated with films of alkanethiol-self-assembled gold nanoparticle layers 1083(2005)205

Guava

Enhanced flavour extraction in continuous liquid–liquid extractors 1083(2005)215

¹H and ¹³C NMR

Separation of catechin constituents from five tea cultivars using high-speed counter-current chromatography 1083(2005)223

High pressure

Stress distribution and dimensional changes in chromatographic columns 1083(2005)68

High-speed counter-current chromatography separation

Separation of catechin constituents from five tea cultivars using high-speed counter-current chromatography 1083(2005)223

HILIC

Orthogonal method development using hydrophilic interaction chromatography and reversed-phase high-performance liquid chromatography for the determination of pharmaceuticals and impurities 1083(2005)58

Honey

Determination of 1,2-dibromoethane, 1,4-dichlorobenzene and naphthalene residues in honey by gas chromatography–mass spectrometry using purge and trap thermal desorption extraction 1083(2005)146

Capillary zone electrophoresis method for the simultaneous determination of cations in honey 1083(2005)193

HS-SPME

Development of a procedure for the determination of perfluorocarboxylic acids in sediments by pressurised fluid extraction, headspace solid-phase microextraction followed by gas chromatographic–mass spectrometric determination 1083(2005)1

Hydrophilic interaction chromatography

Orthogonal method development using hydrophilic interaction chromatography and reversed-phase high-performance liquid chromatography for the determination of pharmaceuticals and impurities 1083(2005)58

Hydroxyproline

Mass spectrometric characterization of human skin elastin peptides produced by proteolytic digestion with pepsin and thermolysin 1083(2005)120

Immobilized chiral stationary phase

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Immunoaffinity

Determination of aflatoxin B₁ in sidestream cigarette smoke by immunoaffinity column extraction coupled with liquid chromatography/mass spectrometry 1083(2005)127

Inverse size-exclusion chromatography

Comprehensive pore structure characterization of silica monoliths with controlled mesopore size and macropore size by nitrogen sorption, mercury porosimetry, transmission electron microscopy and inverse size exclusion chromatography 1083(2005)14

Isoindolin-1-one

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Kováts indices

Determining the vapour pressures of plant volatiles from gas chromatographic retention data 1083(2005)161

Layer-by-layer

Open tubular capillary electrochromatography using capillaries coated with films of alkanethiol-self-assembled gold nanoparticle layers 1083(2005)205

LC/MS

Mass spectrometric characterization of human skin elastin peptides produced by proteolytic digestion with pepsin and thermitase 1083(2005)120

Determination of aflatoxin B₁ in sidestream cigarette smoke by immunoaffinity column extraction coupled with liquid chromatography/mass spectrometry 1083(2005)127

LC

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

LC-MS/MS

Quantitation of 13 azole fungicides in wine samples by liquid chromatography-tandem mass spectrometry 1083(2005)113

Lead hydroxyacetate

Determination of ochratoxin A in beer marketed in Spain by liquid chromatography with fluorescence detection using lead hydroxyacetate as a clean-up agent 1083(2005)7

Liquid chromatography

Determination of ochratoxin A in beer marketed in Spain by liquid chromatography with fluorescence detection using lead hydroxyacetate as a clean-up agent 1083(2005)7

Liquid-liquid extraction

Enhanced flavour extraction in continuous liquid-liquid extractors 1083(2005)215

Mannitol

Electrophoretic separation of DNA using a new matrix in uncoated capillaries 1083(2005)173

Mass spectrometry

Enhanced flavour extraction in continuous liquid-liquid extractors 1083(2005)215

Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry

Characterization of a new methylated β -cyclodextrin with a low degree of substitution by matrix-assisted laser desorption/ionization mass spectrometry and liquid chromatography using evaporative light scattering detection 1083(2005)106

Mercury penetration

Comprehensive pore structure characterization of silica monoliths with controlled mesopore size and macropore size by nitrogen sorption, mercury porosimetry, transmission electron microscopy and inverse size exclusion chromatography 1083(2005)14

Method development

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Methylated β -cyclodextrins

Characterization of a new methylated β -cyclodextrin with a low degree of substitution by matrix-assisted laser desorption/ionization mass spectrometry and liquid chromatography using evaporative light scattering detection 1083(2005)106

Mid-infrared detection

On-line hyphenation of quantum cascade laser and capillary electrophoresis 1083(2005)199

Milk

High-performance liquid chromatography with post-column derivatisation and fluorescence detection for sensitive determination of aflatoxin M₁ in milk and cheese 1083(2005)219

Mobile phase additives

Effect of (+) or (-) camphorsulfonic acid additives to the mobile phase on enantioseparations of some basic drugs on a Chiralcel OD column 1083(2005)133

Mollugogenol B

Quantitative determination of the group of flavonoids and saponins from the extracts of the seeds of *Glinus lotoides* and tablet formulation thereof by high-performance liquid chromatography 1083(2005)32

Monolithic ODS columns

Ion chromatography for determination of nitrite and nitrate in seawater using monolithic ODS columns 1083(2005)63

Monolithic silica

Comprehensive pore structure characterization of silica monoliths with controlled mesopore size and macropore size by nitrogen sorption, mercury porosimetry, transmission electron microscopy and inverse size exclusion chromatography 1083(2005)14

Mycotoxins

Determination of ochratoxin A in beer marketed in Spain by liquid chromatography with fluorescence detection using lead hydroxyacetate as a clean-up agent 1083(2005)7

NaCl mobile phase

Ion chromatography for determination of nitrite and nitrate in seawater using monolithic ODS columns 1083(2005)63

Nanoelectrospray

Mass spectrometric characterization of human skin elastin peptides produced by proteolytic digestion with pepsin and thermitase 1083(2005)120

Naphthalene-2,3-dicarboxaldehyde

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Naphthalene

Determination of 1,2-dibromoethane, 1,4-dichlorobenzene and naphthalene residues in honey by gas chromatography–mass spectrometry using purge and trap thermal desorption extraction 1083(2005)146

Nitrogen adsorption

Comprehensive pore structure characterization of silica monoliths with controlled mesopore size and macropore size by nitrogen sorption, mercury porosimetry, transmission electron microscopy and inverse size exclusion chromatography 1083(2005)14

NO₂⁻ and NO₃⁻ in seawater

Ion chromatography for determination of nitrite and nitrate in seawater using monolithic ODS columns 1083(2005)63

Ochratoxin A

Determination of ochratoxin A in beer marketed in Spain by liquid chromatography with fluorescence detection using lead hydroxyacetate as a clean-up agent 1083(2005)7

On-line hyphenation

On-line hyphenation of quantum cascade laser and capillary electrophoresis 1083(2005)199

ortho-Phthalaldehyde

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Orthogonality

Orthogonal method development using hydrophilic interaction chromatography and reversed-phase high-performance liquid chromatography for the determination of pharmaceuticals and impurities 1083(2005)58

Patrinia villosa Juss

Supercritical fluid extraction of aurenthamide acetate from *Patrinia villosa* Juss and subsequent isolation by silica gel and high-speed counter-current chromatography 1083(2005)52

PFCA

Development of a procedure for the determination of perfluorocarboxylic acids in sediments by pressurised fluid extraction, headspace solid-phase microextraction followed by gas chromatographic–mass spectrometric determination 1083(2005)1

PFE

Development of a procedure for the determination of perfluorocarboxylic acids in sediments by pressurised fluid extraction, headspace solid-phase microextraction followed by gas chromatographic–mass spectrometric determination 1083(2005)1

Pharmaceutical analysis

Orthogonal method development using hydrophilic interaction chromatography and reversed-phase high-performance liquid chromatography for the determination of pharmaceuticals and impurities 1083(2005)58

Phillyrin

Preparative isolation and purification of phillyrin from the medicinal plant *Forsythia suspensa* by high-speed counter-current chromatography 1083(2005)102

Phthalimidine

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Pineapple

Enhanced flavour extraction in continuous liquid–liquid extractors 1083(2005)215

Plant materials

Preparative isolation and purification of phillyrin from the medicinal plant *Forsythia suspensa* by high-speed counter-current chromatography 1083(2005)102

Plant volatiles

Determining the vapour pressures of plant volatiles from gas chromatographic retention data 1083(2005)161

Plumbagin

Determination and identification of plumbagin from the roots of *Plumbago zeylanica* L. by liquid chromatography with tandem mass spectrometry 1083(2005)141

Plumbago zeylanica L

Determination and identification of plumbagin from the roots of *Plumbago zeylanica* L. by liquid chromatography with tandem mass spectrometry 1083(2005)141

Polycyclic aromatic hydrocarbon

Validation of various extraction techniques for the quantitative analysis of polycyclic aromatic hydrocarbons in sewage sludges using gas chromatography–ion trap mass spectrometry 1083(2005)153

Poly(*N*-isopropylacrylamide)

Electrophoretic separation of DNA using a new matrix in uncoated capillaries 1083(2005)173

Porous graphitic carbon

Separation and detection of the isomeric equine conjugated estrogens, equilin sulfate and $\Delta^{8,9}$ -dehydroestrone sulfate, by liquid chromatography–electrospray-mass spectrometry using carbon-coated zirconia and porous graphitic carbon stationary phases 1083(2005)42

Post-column derivatisation

High-performance liquid chromatography with post-column derivatisation and fluorescence detection for sensitive determination of aflatoxin M₁ in milk and cheese 1083(2005)219

Preparative chromatography

Supercritical fluid extraction of aurenthamide acetate from *Patrinia villosa* Juss and subsequent isolation by silica gel and high-speed counter-current chromatography 1083(2005)52

Preparative isolation and purification of phillyrin from the medicinal plant *Forsythia suspensa* by high-speed counter-current chromatography 1083(2005)102

Pressurized liquid extraction

Validation of various extraction techniques for the quantitative analysis of polycyclic aromatic hydrocarbons in sewage sludges using gas chromatography-ion trap mass spectrometry 1083(2005)153

Productivity

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Programmed field strength gradients

Microchip capillary gel electrophoresis using programmed field strength gradients for the ultra-fast analysis of genetically modified organisms in soybeans 1083(2005)179

Proteins

Noncovalently bilayer-coated capillaries for efficient and reproducible analysis of proteins by capillary electrophoresis 1083(2005)185

Purge and trap

Determination of 1,2-dibromoethane, 1,4-dichlorobenzene and naphthalene residues in honey by gas chromatography-mass spectrometry using purge and trap thermal desorption extraction 1083(2005)146

Purity by high-performance liquid chromatography

Separation of catechin constituents from five tea cultivars using high-speed counter-current chromatography 1083(2005)223

Pyrenebutyric acid

Preparation of pyrenebutyric acid bonded silica stationary phases for the application to the separation of fullerenes 1083(2005)23

Quantitative determination

Quantitative determination of the group of flavonoids and saponins from the extracts of the seeds of *Glinus lotoides* and tablet formulation thereof by high-performance liquid chromatography 1083(2005)32

Quantum cascade laser

On-line hyphenation of quantum cascade laser and capillary electrophoresis 1083(2005)199

Quinine carbamate

Comparative study on the use of *ortho*-phthalaldehyde, naphthalene-2,3-dicarboxaldehyde and anthracene-2,3-dicarboxaldehyde reagents for α -amino acids followed by the enantiomer separation of the formed isoindolin-1-one derivatives using quinine-type chiral stationary phases 1083(2005)80

Reproducibility

Noncovalently bilayer-coated capillaries for efficient and reproducible analysis of proteins by capillary electrophoresis 1083(2005)185

Reversed-phase HPLC

Orthogonal method development using hydrophilic interaction chromatography and reversed-phase high-performance liquid chromatography for the determination of pharmaceuticals and impurities 1083(2005)58

RP-HPLC

Quantitative determination of the group of flavonoids and saponins from the extracts of the seeds of *Glinus lotoides* and tablet formulation thereof by high-performance liquid chromatography 1083(2005)32

Sample preparation

Enhanced flavour extraction in continuous liquid-liquid extractors 1083(2005)215

Sample solubility

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Scanning electron microscopy

Comprehensive pore structure characterization of silica monoliths with controlled mesopore size and macropore size by nitrogen sorption, mercury porosimetry, transmission electron microscopy and inverse size exclusion chromatography 1083(2005)14

Sediment

Development of a procedure for the determination of perfluorocarboxylic acids in sediments by pressurised fluid extraction, headspace solid-phase microextraction followed by gas chromatographic-mass spectrometric determination 1083(2005)1

Self-assembly

Open tubular capillary electrochromatography using capillaries coated with films of alkanethiol-self-assembled gold nanoparticle layers 1083(2005)205

Separation

Preparation of pyrenebutyric acid bonded silica stationary phases for the application to the separation of fullerenes 1083(2005)23

Sidestream smoke

Determination of aflatoxin B₁ in sidestream cigarette smoke by immunoaffinity column extraction coupled with liquid chromatography/mass spectrometry 1083(2005)127

Skin elastin

Mass spectrometric characterization of human skin elastin peptides produced by proteolytic digestion with pepsin and thermitase 1083(2005)120

SMB

Optimization of the chiral separation of a Ca-sensitizing drug on an immobilized polysaccharide-based chiral stationary phase. Case study with a preparative perspective 1083(2005)96

Solvent extraction

Enhanced flavour extraction in continuous liquid-liquid extractors 1083(2005)215

Specificity

Orthogonal method development using hydrophilic interaction chromatography and reversed-phase high-performance liquid chromatography for the determination of pharmaceuticals and impurities 1083(2005)58

Stationary phases

Preparation of pyrenebutyric acid bonded silica stationary phases for the application to the separation of fullerenes 1083(2005)23

Open tubular capillary electrochromatography using capillaries coated with films of alkanethiol-self-assembled gold nanoparticle layers 1083(2005)205

Tandem MS

Mass spectrometric characterization of human skin elastin peptides produced by proteolytic digestion with pepsin and thermitase 1083(2005)120

Tea catechins

Separation of catechin constituents from five tea cultivars using high-speed counter-current chromatography 1083(2005)223

Temperature effect

Resolution of β -blockers on a chiral stationary phase based on (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid: Unusual temperature effect 1083(2005)89

Thermodynamic parameters

Determining the vapour pressures of plant volatiles from gas chromatographic retention data 1083(2005)161

Transmission electron microscopy

Comprehensive pore structure characterization of silica monoliths with controlled mesopore size and macropore size by nitrogen sorption, mercury porosimetry, transmission electron microscopy and inverse size exclusion chromatography 1083(2005)14

UV detection

Ion chromatography for determination of nitrite and nitrate in seawater using monolithic ODS columns 1083(2005)63

Validation

Orthogonal method development using hydrophilic interaction chromatography and reversed-phase high-performance liquid chromatography for the determination of pharmaceuticals and impurities 1083(2005)58

Vapour pressure

Determining the vapour pressures of plant volatiles from gas chromatographic retention data 1083(2005)161

Vicenin-2

Quantitative determination of the group of flavonoids and saponins from the extracts of the seeds of *Glinus lotoides* and tablet formulation thereof by high-performance liquid chromatography 1083(2005)32

Wine

Quantitation of 13 azole fungicides in wine samples by liquid chromatography–tandem mass spectrometry 1083(2005)113

WWTP

Validation of various extraction techniques for the quantitative analysis of polycyclic aromatic hydrocarbons in sewage sludges using gas chromatography–ion trap mass spectrometry 1083(2005)153

Zr-CARB

Separation and detection of the isomeric equine conjugated estrogens, equilin sulfate and $\Delta^{8,9}$ -dehydroestrone sulfate, by liquid chromatography–electrospray–mass spectrometry using carbon-coated zirconia and porous graphitic carbon stationary phases 1083(2005)42