

Subject Index Vol. 1082

Adsorption

Interpretation of the excess adsorption isotherms of organic eluent components on the surface of reversed-phase phenyl modified adsorbents 1082(2005)158

Adsorption of anions to zirconium(IV) and titanium(IV) chemically immobilized on gel-phase 1082(2005)208

Advanced oxidation process (AOP)

Stability of fluorinated surfactants in advanced oxidation processes—A follow up of degradation products using flow injection–mass spectrometry, liquid chromatography–mass spectrometry and liquid chromatography–multiple stage mass spectrometry 1082(2005)110

Amino acids

Separation of enantiomers in capillary electrophoresis with contactless conductivity detection 1082(2005)230

Ammonium sulphate

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Anions

Adsorption of anions to zirconium(IV) and titanium(IV) chemically immobilized on gel-phase 1082(2005)208

APCI-MS

Quantitative determination and structural characterization of isoflavones in nutrition supplements by liquid chromatography–mass spectrometry 1082(2005)60

APPI

Probing new approaches using atmospheric pressure photo ionization for the analysis of brominated flame retardants and their related degradation products by liquid chromatography–mass spectrometry 1082(2005)98

Aqueous two-phase systems

Extraction of testosterone and epitestosterone in human urine using aqueous two-phase systems of ionic liquid and salt 1082(2005)143

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Aromatic amine

Two-step hollow fiber-based, liquid-phase microextraction combined with high-performance liquid chromatography: A new approach to determination of aromatic amines in water 1082(2005)136

Automation

Automated dynamic liquid–liquid–liquid microextraction followed by high-performance liquid chromatography–ultraviolet detection for the determination of phenoxy acid herbicides in environmental waters 1082(2005)121

Basic drugs

Separation of enantiomers in capillary electrophoresis with contactless conductivity detection 1082(2005)230

Biogenic amines

Determination of biogenic amines in fresh and processed meat by suppressed ion chromatography–mass spectrometry using a cation-exchange column 1082(2005)43

Breast cancer

Identification and quantification of tamoxifen and four metabolites in serum by liquid chromatography–tandem mass spectrometry 1082(2005)6

Brominated flame retardants

Probing new approaches using atmospheric pressure photo ionization for the analysis of brominated flame retardants and their related degradation products by liquid chromatography–mass spectrometry 1082(2005)98

Capillary electrophoresis

Separation of enantiomers in capillary electrophoresis with contactless conductivity detection 1082(2005)230

Capillary liquid chromatography

Sensitive and specific quantification of the anticancer agent ZD1839 (Gefitinib) in plasma by on-column focusing capillary liquid chromatography–tandem mass spectrometry 1082(2005)2

Cation-exchange chromatography

Determination of biogenic amines in fresh and processed meat by suppressed ion chromatography–mass spectrometry using a cation-exchange column 1082(2005)43

Chemotaxonomy

On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography–photodiode array detection–mass spectrometric techniques 1082(2005)33

Concurrent solvent evaporation

Epoxidized soy bean oil migrating from the gaskets of lids into food packed in glass jars. Analysis by on-line liquid chromatography–gas chromatography 1082(2005)214

Contactless conductivity detection

Separation of enantiomers in capillary electrophoresis with contactless conductivity detection 1082(2005)230

Counter-current chromatography

Application of preparative high-speed counter-current chromatography for isolation and separation of schizandrin and gomisin A from *Schisandra chinensis* 1082(2005)203

Cyanobacteria

Strategies to avoid the mis-identification of anatoxin-a using mass spectrometry in the forensic investigation of acute neurotoxic poisoning 1082(2005)91

CYP3A4

Kinetic study of cytochrome P450 3A4 activity on warfarin by capillary electrophoresis with fluorescence detection 1082(2005)235

Degradates

Discovering metabolites of post-harvest fungicides in citrus with liquid chromatography/time-of-flight mass spectrometry and ion trap tandem mass spectrometry 1082(2005)71

Degradation

Stability of fluorinated surfactants in advanced oxidation processes—A follow up of degradation products using flow injection–mass spectrometry, liquid chromatography–mass spectrometry and liquid chromatography–multiple stage mass spectrometry 1082(2005)110

Destruction

Stability of fluorinated surfactants in advanced oxidation processes—A follow up of degradation products using flow injection–mass spectrometry, liquid chromatography–mass spectrometry and liquid chromatography–multiple stage mass spectrometry 1082(2005)110

Direct injection

Combining restricted access material (RAM) and turbulent flow for the rapid on-line extraction of the cyclooxygenase-2 inhibitor rofecoxib in plasma samples 1082(2005)150

DNA

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Dry-cured meat

Determination of biogenic amines in fresh and processed meat by suppressed ion chromatography–mass spectrometry using a cation-exchange column 1082(2005)43

Dynamic extraction

Automated dynamic liquid–liquid–liquid microextraction followed by high-performance liquid chromatography-ultraviolet detection for the determination of phenoxy acid herbicides in environmental waters 1082(2005)121

Elimination

Stability of fluorinated surfactants in advanced oxidation processes—A follow up of degradation products using flow injection–mass spectrometry, liquid chromatography–mass spectrometry and liquid chromatography–multiple stage mass spectrometry 1082(2005)110

Enantiomeric separations

Separation of enantiomers in capillary electrophoresis with contactless conductivity detection 1082(2005)230

Enzyme

Kinetic study of cytochrome P450 3A4 activity on warfarin by capillary electrophoresis with fluorescence detection 1082(2005)235

Epitestosterone

Extraction of testosterone and epitestosterone in human urine using aqueous two-phase systems of ionic liquid and salt 1082(2005)143

Epoxidized soy bean oil (ESBO)

Epoxidized soy bean oil migrating from the gaskets of lids into food packed in glass jars. Analysis by on-line liquid chromatography–gas chromatography 1082(2005)214

Extraction

Extraction of testosterone and epitestosterone in human urine using aqueous two-phase systems of ionic liquid and salt 1082(2005)143

Fermented meat products

Determination of biogenic amines in fresh and processed meat by suppressed ion chromatography–mass spectrometry using a cation-exchange column 1082(2005)43

Flavonoids

On-line identification of sugarcane (*Saccharum officinarum* L.) methoxyflavones by liquid chromatography–UV detection using post-column derivatization and liquid chromatography–mass spectrometry 1082(2005)51

Fluorinated

Stability of fluorinated surfactants in advanced oxidation processes—A follow up of degradation products using flow injection–mass spectrometry, liquid chromatography–mass spectrometry and liquid chromatography–multiple stage mass spectrometry 1082(2005)110

Food analysis

Discovering metabolites of post-harvest fungicides in citrus with liquid chromatography/time-of-flight mass spectrometry and ion trap tandem mass spectrometry 1082(2005)71

Multi-residue pesticide analysis in fruits and vegetables by liquid chromatography–time-of-flight mass spectrometry 1082(2005)81

Galactolipids

On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography–photodiode array detection–mass spectrometric techniques 1082(2005)33

Gaskets in lids for glass jars

Epoxidized soy bean oil migrating from the gaskets of lids into food packed in glass jars. Analysis by on-line liquid chromatography–gas chromatography 1082(2005)214

GC–MS/MS

Microwave assisted extraction followed by gas chromatography with tandem mass spectrometry for the determination of triclosan and two related chlorophenols in sludge and sediments 1082(2005)128

Gene therapy

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Gomisin A

Application of preparative high-speed counter-current chromatography for isolation and separation of schizandrin and gomisin A from *Schisandra chinensis* 1082(2005)203

Hollow fiber membranes

Automated dynamic liquid–liquid–liquid microextraction followed by high-performance liquid chromatography-ultraviolet detection for the determination of phenoxy acid herbicides in environmental waters 1082(2005)121

Host–bacteria interaction

Bacterial response to eukaryotic cells. Analysis of differentially expressed proteins using nano liquid chromatography–electrospray ionization tandem mass spectrometry 1082(2005)25

Human urine

Extraction of testosterone and epitestosterone in human urine using aqueous two-phase systems of ionic liquid and salt 1082(2005)143

Hummel–Dreyer technique

Interactions between sodium dodecyl sulphate and non-ionic cellulose derivatives studied by size exclusion chromatography with online multi-angle light scattering and refractometric detection 1082(2005)166

4-Hydroxy-N-demethyltamoxifen

Identification and quantification of tamoxifen and four metabolites in serum by liquid chromatography–tandem mass spectrometry 1082(2005)6

4-Hydroxytamoxifen

Identification and quantification of tamoxifen and four metabolites in serum by liquid chromatography–tandem mass spectrometry 1082(2005)6

IC-MS

Determination of biogenic amines in fresh and processed meat by suppressed ion chromatography–mass spectrometry using a cation-exchange column 1082(2005)43

Imazalil

Discovering metabolites of post-harvest fungicides in citrus with liquid chromatography/time-of-flight mass spectrometry and ion trap tandem mass spectrometry 1082(2005)71

Ionic compounds and additives

Effect of ionic additives on the elution of sodium aryl sulfonates in supercritical fluid chromatography 1082(2005)220

Ionic liquid

Extraction of testosterone and epitestosterone in human urine using aqueous two-phase systems of ionic liquid and salt 1082(2005)143

Ion-pair formation

Effect of ionic additives on the elution of sodium aryl sulfonates in supercritical fluid chromatography 1082(2005)220

Iressa

Sensitive and specific quantification of the anticancer agent ZD1839 (Gefitinib) in plasma by on-column focusing capillary liquid chromatography–tandem mass spectrometry 1082(2005)2

Isoflavones

Quantitative determination and structural characterization of isoflavones in nutrition supplements by liquid chromatography–mass spectrometry 1082(2005)60

Kinetic study

Kinetic study of cytochrome P450 3A4 activity on warfarin by capillary electrophoresis with fluorescence detection 1082(2005)235

LC/MS

On-line identification of sugarcane (*Saccharum officinarum* L.) methoxyflavones by liquid chromatography–UV detection using post-column derivatization and liquid chromatography–mass spectrometry 1082(2005)51

LC/UV

On-line identification of sugarcane (*Saccharum officinarum* L.) methoxyflavones by liquid chromatography–UV detection using post-column derivatization and liquid chromatography–mass spectrometry 1082(2005)51

LC

High temperature liquid chromatography and liquid chromatography–mass spectroscopy analysis of octylphenol ethoxylates on different stationary phases 1082(2005)193

LC–MS

On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography–photodiode array detection–mass spectrometric techniques 1082(2005)33

Strategies to avoid the mis-identification of anatoxin-a using mass spectrometry in the forensic investigation of acute neurotoxic poisoning 1082(2005)91

Probing new approaches using atmospheric pressure photo ionization for the analysis of brominated flame retardants and their related degradation products by liquid chromatography–mass spectrometry 1082(2005)98

High temperature liquid chromatography and liquid chromatography–mass spectroscopy analysis of octylphenol ethoxylates on different stationary phases 1082(2005)193

LC–MS–MS

Quantitative analysis of Δ^9 -tetrahydrocannabinol in preserved oral fluid by liquid chromatography–tandem mass spectrometry 1082(2005)15

Ligand exchange chromatography

Adsorption of anions to zirconium(IV) and titanium(IV) chemically immobilized on gel-phase 1082(2005)208

Light scattering detection

Interactions between sodium dodecyl sulphate and non-ionic cellulose derivatives studied by size exclusion chromatography with online multi-angle light scattering and refractometric detection 1082(2005)166

Liquid–liquid extraction

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Liquid–liquid–liquid microextraction

Automated dynamic liquid–liquid–liquid microextraction followed by high-performance liquid chromatography–ultraviolet detection for the determination of phenoxy acid herbicides in environmental waters 1082(2005)121

Liquid-phase microextraction

Automated dynamic liquid–liquid–liquid microextraction followed by high-performance liquid chromatography–ultraviolet detection for the determination of phenoxy acid herbicides in environmental waters 1082(2005)121

Two-step hollow fiber-based, liquid-phase microextraction combined with high-performance liquid chromatography: A new approach to determination of aromatic amines in water 1082(2005)136

MAAs

On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography–photodiode array detection–mass spectrometric techniques 1082(2005)33

MAE

Microwave assisted extraction followed by gas chromatography with tandem mass spectrometry for the determination of triclosan and two related chlorophenols in sludge and sediments 1082(2005)128

Mass spectrometry

Identification and quantification of tamoxifen and four metabolites in serum by liquid chromatography–tandem mass spectrometry 1082(2005)6

Multi-residue pesticide analysis in fruits and vegetables by liquid chromatography–time-of-flight mass spectrometry 1082(2005)81

Michaelis–Menten analysis

Kinetic study of cytochrome P450 3A4 activity on warfarin by capillary electrophoresis with fluorescence detection 1082(2005)235

Microphytobenthos

On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography–photodiode array detection–mass spectrometric techniques 1082(2005)33

Monolithic column

Two-step hollow fiber-based, liquid-phase microextraction combined with high-performance liquid chromatography: A new approach to determination of aromatic amines in water 1082(2005)136

NanoLC–MS/MS

Bacterial response to eukaryotic cells. Analysis of differentially expressed proteins using nano liquid chromatography–electrospray ionization tandem mass spectrometry 1082(2005)25

Neurotoxins

Strategies to avoid the mis-identification of anatoxin-a using mass spectrometry in the forensic investigation of acute neurotoxic poisoning 1082(2005)91

Nutrition supplement

Quantitative determination and structural characterization of isoflavones in nutrition supplements by liquid chromatography–mass spectrometry 1082(2005)60

Octylphenol ethoxylates

High temperature liquid chromatography and liquid chromatography–mass spectroscopy analysis of octylphenol ethoxylates on different stationary phases 1082(2005)193

On-column focusing

Sensitive and specific quantification of the anticancer agent ZD1839 (Gefitinib) in plasma by on-column focusing capillary liquid chromatography–tandem mass spectrometry 1082(2005)2

On-column interface

Epoxidized soy bean oil migrating from the gaskets of lids into food packed in glass jars. Analysis by on-line liquid chromatography–gas chromatography 1082(2005)214

On-line extraction

Combining restricted access material (RAM) and turbulent flow for the rapid on-line extraction of the cyclooxygenase-2 inhibitor rofecoxib in plasma samples 1082(2005)150

On-line LC–GC

Epoxidized soy bean oil migrating from the gaskets of lids into food packed in glass jars. Analysis by on-line liquid chromatography–gas chromatography 1082(2005)214

Oral fluid

Quantitative analysis of Δ^9 -tetrahydrocannabinol in preserved oral fluid by liquid chromatography–tandem mass spectrometry 1082(2005)15

Organofluorine compounds

Stability of fluorinated surfactants in advanced oxidation processes—A follow up of degradation products using flow injection–mass spectrometry, liquid chromatography–mass spectrometry and liquid chromatography–multiple stage mass spectrometry 1082(2005)110

p-Electron effect

Preparation and characterization of spherical polymer packings from polybutadiene for size-exclusion chromatography 1082(2005)185

Packed column

Effect of ionic additives on the elution of sodium aryl sulfonates in supercritical fluid chromatography 1082(2005)220

Pesticide

Discovering metabolites of post-harvest fungicides in citrus with liquid chromatography/time-of-flight mass spectrometry and ion trap tandem mass spectrometry 1082(2005)71

Multi-residue pesticide analysis in fruits and vegetables by liquid chromatography–time-of-flight mass spectrometry 1082(2005)81

Phenoxy acid herbicides

Automated dynamic liquid–liquid–liquid microextraction followed by high-performance liquid chromatography–ultraviolet detection for the determination of phenoxy acid herbicides in environmental waters 1082(2005)121

Phenyl-type bonded phases

Interpretation of the excess adsorption isotherms of organic eluent components on the surface of reversed-phase phenyl modified adsorbents 1082(2005)158

Phytoplankton

On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography–photodiode array detection–mass spectrometric techniques 1082(2005)33

Pigments

On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography–photodiode array detection–mass spectrometric techniques 1082(2005)33

Plasma

Sensitive and specific quantification of the anticancer agent ZD1839 (Gefitinib) in plasma by on-column focusing capillary liquid chromatography–tandem mass spectrometry 1082(2005)2

Plasmid

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Polybromodiphenylethers

Probing new approaches using atmospheric pressure photo ionization for the analysis of brominated flame retardants and their related degradation products by liquid chromatography–mass spectrometry 1082(2005)98

Polybutadiene

Preparation and characterization of spherical polymer packings from polybutadiene for size-exclusion chromatography 1082(2005)185

Polyethylene glycol

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Polymer–sodium dodecyl sulphate interaction

Interactions between sodium dodecyl sulphate and non-ionic cellulose derivatives studied by size exclusion chromatography with online multi-angle light scattering and refractometric detection 1082(2005)166

Porous polymer microbeads

Preparation and characterization of spherical polymer packings from polybutadiene for size-exclusion chromatography 1082(2005)185

Preparative chromatography

Application of preparative high-speed counter-current chromatography for isolation and separation of schizandrin and gomisin A from *Schisandra chinensis* 1082(2005)203

Prochloraz

Discovering metabolites of post-harvest fungicides in citrus with liquid chromatography/time-of-flight mass spectrometry and ion trap tandem mass spectrometry 1082(2005)71

Proposed pathway fragments

Quantitative determination and structural characterization of isoflavones in nutrition supplements by liquid chromatography–mass spectrometry 1082(2005)60

Proteomics

Bacterial response to eukaryotic cells. Analysis of differentially expressed proteins using nano liquid chromatography–electrospray ionization tandem mass spectrometry 1082(2005)25

Purification

Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography 1082(2005)176

Quadrupole time-of-flight

Strategies to avoid the mis-identification of anatoxin-a using mass spectrometry in the forensic investigation of acute neurotoxic poisoning 1082(2005)91

Restricted access material

Combining restricted access material (RAM) and turbulent flow for the rapid on-line extraction of the cyclooxygenase-2 inhibitor rofecoxib in plasma samples 1082(2005)150

Reversed-phase

Interpretation of the excess adsorption isotherms of organic eluent components on the surface of reversed-phase phenyl modified adsorbents 1082(2005)158

Saccharum officinarum

On-line identification of sugarcane (*Saccharum officinarum* L.) methoxyflavones by liquid chromatography–UV detection using post-column derivatization and liquid chromatography–mass spectrometry 1082(2005)51

Schisandra chinensis

Application of preparative high-speed counter-current chromatography for isolation and separation of schizandrin and gomisin A from *Schisandra chinensis* 1082(2005)203

Schizandrin

Application of preparative high-speed counter-current chromatography for isolation and separation of schizandrin and gomisin A from *Schisandra chinensis* 1082(2005)203

Sediment

Microwave assisted extraction followed by gas chromatography with tandem mass spectrometry for the determination of triclosan and two related chlorophenols in sludge and sediments 1082(2005)128

Selectivity

High temperature liquid chromatography and liquid chromatography–mass spectroscopy analysis of octylphenol ethoxylates on different stationary phases 1082(2005)193

Size exclusion chromatography

Interactions between sodium dodecyl sulphate and non-ionic cellulose derivatives studied by size exclusion chromatography with online multi-angle light scattering and refractometric detection 1082(2005)166

Preparation and characterization of spherical polymer packings from polybutadiene for size-exclusion chromatography 1082(2005)185

Sludge

Microwave assisted extraction followed by gas chromatography with tandem mass spectrometry for the determination of triclosan and two related chlorophenols in sludge and sediments 1082(2005)128

Stationary phase

Preparation and characterization of spherical polymer packings from polybutadiene for size-exclusion chromatography 1082(2005)185

Supercritical fluid chromatography

Effect of ionic additives on the elution of sodium aryl sulfonates in supercritical fluid chromatography 1082(2005)220

Surfactants

Stability of fluorinated surfactants in advanced oxidation processes—A follow up of degradation products using flow injection–mass spectrometry, liquid chromatography–mass spectrometry and liquid chromatography–multiple stage mass spectrometry 1082(2005)110

Tamoxifen

Identification and quantification of tamoxifen and four metabolites in serum by liquid chromatography–tandem mass spectrometry 1082(2005)6

Tamoxifen-N-oxide

Identification and quantification of tamoxifen and four metabolites in serum by liquid chromatography–tandem mass spectrometry 1082(2005)6

Tandem mass spectrometry

Sensitive and specific quantification of the anticancer agent ZD1839 (Gefitinib) in plasma by on-column focusing capillary liquid chromatography–tandem mass spectrometry 1082(2005)2

Temperature

High temperature liquid chromatography and liquid chromatography–mass spectroscopy analysis of octylphenol ethoxylates on different stationary phases 1082(2005)193

Testosterone

Extraction of testosterone and epitestosterone in human urine using aqueous two-phase systems of ionic liquid and salt 1082(2005)143

Tetrabromobisphenol A

Probing new approaches using atmospheric pressure photo ionization for the analysis of brominated flame retardants and their related degradation products by liquid chromatography–mass spectrometry 1082(2005)98

THC

Quantitative analysis of Δ^9 -tetrahydrocannabinol in preserved oral fluid by liquid chromatography–tandem mass spectrometry 1082(2005)15

Time-of-flight (TOF)

Discovering metabolites of post-harvest fungicides in citrus with liquid chromatography/time-of-flight mass spectrometry and ion trap tandem mass spectrometry 1082(2005)71

Time-of-flight

Multi-residue pesticide analysis in fruits and vegetables by liquid chromatography–time-of-flight mass spectrometry 1082(2005)81

Transgenic plants

On-line identification of sugarcane (*Saccharum officinarum* L.) methoxyflavones by liquid chromatography–UV detection using post-column derivatization and liquid chromatography–mass spectrometry 1082(2005)51

Triclosan

Microwave assisted extraction followed by gas chromatography with tandem mass spectrometry for the determination of triclosan and two related chlorophenols in sludge and sediments 1082(2005)128

Turbulent flow

Combining restricted access material (RAM) and turbulent flow for the rapid on-line extraction of the cyclooxygenase-2 inhibitor rofecoxib in plasma samples 1082(2005)150

Two-step hollow fiber based

Two-step hollow fiber-based, liquid-phase microextraction combined with high-performance liquid chromatography: A new approach to determination of aromatic amines in water 1082(2005)136

Vegetables

Multi-residue pesticide analysis in fruits and vegetables by liquid chromatography–time-of-flight mass spectrometry 1082(2005)81

Water analysis

Automated dynamic liquid–liquid–liquid microextraction followed by high-performance liquid chromatography–ultraviolet detection for the determination of phenoxy acid herbicides in environmental waters 1082(2005)121

Water

Two-step hollow fiber-based, liquid-phase microextraction combined with high-performance liquid chromatography: A new approach to determination of aromatic amines in water 1082(2005)136

Water-soluble cellulose derivatives

Interactions between sodium dodecyl sulphate and non-ionic cellulose derivatives studied by size exclusion chromatography with online multi-angle light scattering and refractometric detection 1082(2005)166

ZD-1839

Sensitive and specific quantification of the anticancer agent ZD1839 (Gefitinib) in plasma by on-column focusing capillary liquid chromatography–tandem mass spectrometry 1082(2005)2

Zirconium(IV)

Adsorption of anions to zirconium(IV) and titanium(IV) chemically immobilized on gel-phase 1082(2005)208