

Subject Index Vol. 1041

Actinides

Effect of alcohols on elution chromatography of trivalent actinides and lanthanides using tertiary pyridine resin with hydrochloric acid–alcohol mixed solvents 1041(2004)195

Adsorption

Modeling chromatographic columns. Non-equilibrium packed-bed adsorption with non-linear adsorption isotherms 1041(2004)77

Adsorption isotherms

Effect of the pH, the concentration and the nature of the buffer on the adsorption mechanism of an ionic compound in reversed-phase liquid chromatography. II. Analytical and overloaded band profiles on Symmetry-C₁₈ and Xterra-C₁₈ 1041(2004)63

Chromatographic behavior of epirubicin and its analogues on high-purity silica in hydrophilic interaction chromatography 1041(2004)163

Aggregation threshold

Determination of the aggregation threshold of non–UV-absorbing, neutral or charged surfactants by frontal- and vacancy-frontal analysis continuous capillary electrophoresis 1041(2004)219

Alcohols

Effect of alcohols on elution chromatography of trivalent actinides and lanthanides using tertiary pyridine resin with hydrochloric acid–alcohol mixed solvents 1041(2004)195

Aliphatic amines

Novel fiber coated with amide bridged-calix[4]arene used for solid-phase microextraction of aliphatic amines 1041(2004)1

Aliphatic hydrocarbons

Efficient isolation of polyaromatic fraction from aliphatic compounds in complex extracts using dimethylformamide–pentane partitionings 1041(2004)111

Alkaloids

Separation of protoberberine quaternary alkaloids from a crude extract of *Enantia chlorantha* by centrifugal partition chromatography 1041(2004)143

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Almonds

Optimization of a matrix solid-phase dispersion method with subsequent clean-up for the determination of ethylene bisdithiocarbamate residues in almond samples 1041(2004)35

Amines

Effect of amine mobile phase additives on chiral subcritical fluid chromatography using polysaccharide stationary phases 1041(2004)211

Antibiotics

Chromatographic behavior of epirubicin and its analogues on high-purity silica in hydrophilic interaction chromatography 1041(2004)163

Band profiles

Effect of the pH, the concentration and the nature of the buffer on the adsorption mechanism of an ionic compound in reversed-phase liquid chromatography. II. Analytical and overloaded band profiles on Symmetry-C₁₈ and Xterra-C₁₈ 1041(2004)63

Calix[4]arene

Novel fiber coated with amide bridged-calix[4]arene used for solid-phase microextraction of aliphatic amines 1041(2004)1

Capillary columns

Influence of the injection technique and the column system on gas chromatographic determination of polybrominated diphenyl ethers 1041(2004)201

Centrifugal partition chromatography

Separation of protoberberine quaternary alkaloids from a crude extract of *Enantia chlorantha* by centrifugal partition chromatography 1041(2004)143

Chip technology

Electrochemical detector for microchip electrophoresis of poly(dimethylsiloxane) with a three-dimensional adjustor 1041(2004)245

Chiral stationary phases, LC

Definition and system implementation of strategies for method development of chiral separations in normal- or reversed-phase liquid chromatography using polysaccharide-based stationary phases 1041(2004)119

Chiral stationary phases, SFC

Effect of amine mobile phase additives on chiral subcritical fluid chromatography using polysaccharide stationary phases 1041(2004)211

Clean-up methods

Efficient isolation of polyaromatic fraction from aliphatic compounds in complex extracts using dimethylformamide–pentane partitionings 1041(2004)111

Coated columns

Ion chromatographic determination of hydroxide ion on monolithic reversed-phase silica gel columns coated with nonionic and cationic surfactants 1041(2004)95

Columbamine

Separation of protoberberine quaternary alkaloids from a crude extract of *Enantia chlorantha* by centrifugal partition chromatography 1041(2004)143

Complexation

Chromatographic behaviour of naproxen–cyclodextrin complexes. Stationary phase C₈ alkyl chain as competitor for the drug release from cyclodextrin cavity 1041(2004)187

Comprehensive two-dimensional separations

Comprehensive two-dimensional separations of complex mixtures using reversed-phase reversed-phase liquid chromatography 1041(2004)101

Counter-current chromatography

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Identification of major active constituents in the fingerprint of *Salvia miltiorrhiza* Bunge developed by high-speed counter-current chromatography 1041(2004)239

Craig model

Analysis of the isolation of a target component using multicomponent isocratic preparative elution chromatography 1041(2004)53

Critical micelle concentration

Determination of the aggregation threshold of non–UV-absorbing, neutral or charged surfactants by frontal- and vacancy-frontal analysis continuous capillary electrophoresis 1041(2004)219

Cryptotanshinone

Identification of major active constituents in the fingerprint of *Salvia miltiorrhiza* Bunge developed by high-speed counter-current chromatography 1041(2004)239

Cyclodextrins

Chromatographic behaviour of naproxen–cyclodextrin complexes. Stationary phase C₈ alkyl chain as competitor for the drug release from cyclodextrin cavity 1041(2004)187

Derivatization, GC

Analytical procedure for the in-vial derivatization—extraction of phenolic acids and flavonoids in methanolic and aqueous plant extracts followed by gas chromatography with mass-selective detection 1041(2004)11

Trace analysis of phenolic xenoestrogens in water samples by stir bar sorptive extraction with in situ derivatization and thermal desorption–gas chromatography–mass spectrometry 1041(2004)19

Detection, electrophoresis

Electrochemical detector for microchip electrophoresis of poly(dimethylsiloxane) with a three-dimensional adjustor 1041(2004)245

Diastereomer separation

Migration behaviour and separation of tramadol metabolites and diastereomeric separation of tramadol glucuronides by capillary electrophoresis 1041(2004)227

Dimethylformamide

Efficient isolation of polyaromatic fraction from aliphatic compounds in complex extracts using dimethylformamide–pentane partitionings 1041(2004)111

Docetaxel

Enhanced method performance due to a shorter chromatographic run-time in a liquid chromatography–tandem mass spectrometry assay for paclitaxel 1041(2004)235

Drugs

Determination of pharmaceutical compounds in surface- and ground-water samples by solid-phase extraction and high-performance liquid chromatography–electrospray ionization mass spectrometry 1041(2004)171

Electrochemical detection

Electrochemical detector for microchip electrophoresis of poly(dimethylsiloxane) with a three-dimensional adjustor 1041(2004)245

Enantia chlorantha

Separation of protoberberine quaternary alkaloids from a crude extract of *Enantia chlorantha* by centrifugal partition chromatography 1041(2004)143

Enantiomer separation

Definition and system implementation of strategies for method development of chiral separations in normal- or reversed-phase liquid chromatography using polysaccharide-based stationary phases 1041(2004)119

Environmental analysis

Determination of pharmaceutical compounds in surface- and ground-water samples by solid-phase extraction and high-performance liquid chromatography–electrospray ionization mass spectrometry 1041(2004)171

Epirubicin

Chromatographic behavior of epirubicin and its analogues on high-purity silica in hydrophilic interaction chromatography 1041(2004)163

Ethylene bithiocarbamate

Optimization of a matrix solid-phase dispersion method with subsequent clean-up for the determination of ethylene bisdithiocarbamate residues in almond samples 1041(2004)35

Factor analysis

Comprehensive two-dimensional separations of complex mixtures using reversed-phase reversed-phase liquid chromatography 1041(2004)101

Fatty acids

Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography–mass spectrometry for the characterization of rice oil triacylglycerol positional isomers 1041(2004)135

Fingerprinting

Identification of major active constituents in the fingerprint of *Salvia miltiorrhiza* Bunge developed by high-speed counter-current chromatography 1041(2004)239

Fish

Novel fiber coated with amide bridged-calix[4]arene used for solid-phase microextraction of aliphatic amines 1041(2004)1

Flavonoids

Analytical procedure for the in-vial derivatization—extraction of phenolic acids and flavonoids in methanolic and aqueous plant extracts followed by gas chromatography with mass-selective detection 1041(2004)11

Food analysis

Optimization of a matrix solid-phase dispersion method with subsequent clean-up for the determination of ethylene bisdithiocarbamate residues in almond samples 1041(2004)35

Glucuronides

Migration behaviour and separation of tramadol metabolites and diastereomeric separation of tramadol glucuronides by capillary electrophoresis 1041(2004)227

Glycerols

Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography–mass spectrometry for the characterization of rice oil triacylglycerol positional isomers 1041(2004)135

Gradient elution

Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments 1041(2004)43

Hydrophilic interaction chromatography

Chromatographic behavior of epirubicin and its analogues on high-purity silica in hydrophilic interaction chromatography 1041(2004)163

Hydroxide

Ion chromatographic determination of hydroxide ion on monolithic reversed-phase silica gel columns coated with nonionic and cationic surfactants 1041(2004)95

Hyperforin

Development of a high-performance liquid chromatographic method with electrochemical detection for the determination of hyperforin 1041(2004)181

Hypericum perforatum

Development of a high-performance liquid chromatographic method with electrochemical detection for the determination of hyperforin 1041(2004)181

Information theory

Comprehensive two-dimensional separations of complex mixtures using reversed-phase reversed-phase liquid chromatography 1041(2004)101

Injection techniques

Influence of the injection technique and the column system on gas chromatographic determination of polybrominated diphenyl ethers 1041(2004)201

Inorganic anions

Ion chromatographic determination of hydroxide ion on monolithic reversed-phase silica gel columns coated with nonionic and cationic surfactants 1041(2004)95

Inorganic cations

Effect of alcohols on elution chromatography of trivalent actinides and lanthanides using tertiary pyridine resin with hydrochloric acid–alcohol mixed solvents 1041(2004)195

Instrumentation

Electrochemical detector for microchip electrophoresis of poly(dimethylsiloxane) with a three-dimensional adjuster 1041(2004)245

Isoliensinine

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Jatrorrhizine

Separation of protoberberine quaternary alkaloids from a crude extract of *Enantia chlorantha* by centrifugal partition chromatography 1041(2004)143

Knowledge-based system

Definition and system implementation of strategies for method development of chiral separations in normal- or reversed-phase liquid chromatography using polysaccharide-based stationary phases 1041(2004)119

Lanthanides

Effect of alcohols on elution chromatography of trivalent actinides and lanthanides using tertiary pyridine resin with hydrochloric acid–alcohol mixed solvents 1041(2004)195

Liensinine

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Liquid chromatography, comprehensive two-dimensional

Comprehensive two-dimensional separations of complex mixtures using reversed-phase reversed-phase liquid chromatography 1041(2004)101

Mathematical modelling

Modeling chromatographic columns. Non-equilibrium packed-bed adsorption with non-linear adsorption isotherms 1041(2004)77

Matrix solid-phase dispersion

Optimization of a matrix solid-phase dispersion method with subsequent clean-up for the determination of ethylene bisdithiocarbamate residues in almond samples 1041(2004)35

Method development

Definition and system implementation of strategies for method development of chiral separations in normal- or reversed-phase liquid chromatography using polysaccharide-based stationary phases 1041(2004)119

Mobile phase composition

Effect of the pH, the concentration and the nature of the buffer on the adsorption mechanism of an ionic compound in reversed-phase liquid chromatography. II. Analytical and overloaded band profiles on Symmetry-C₁₈ and Xterra-C₁₈ 1041(2004)63

Chromatographic behavior of epirubicin and its analogues on high-purity silica in hydrophilic interaction chromatography 1041(2004)163

Effect of alcohols on elution chromatography of trivalent actinides and lanthanides using tertiary pyridine resin with hydrochloric acid–alcohol mixed solvents 1041(2004)195

Effect of amine mobile phase additives on chiral subcritical fluid chromatography using polysaccharide stationary phases 1041(2004)211

Molecular mass

Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments 1041(2004)43

Monolithic columns

Ion chromatographic determination of hydroxide ion on monolithic reversed-phase silica gel columns coated with nonionic and cationic surfactants 1041(2004)95

Monolithic media

Preparative and analytical chromatography of pegylated myelopoietin using monolithic media 1041(2004)87

Myelopoietin, pegylated

Preparative and analytical chromatography of pegylated myelopoietin using monolithic media 1041(2004)87

Naproxen

Chromatographic behaviour of naproxen–cyclodextrin complexes. Stationary phase C₈ alkyl chain as competitor for the drug release from cyclodextrin cavity 1041(2004)187

Neferine

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Nelumbo nucifera

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Non-aqueous reversed-phase liquid chromatography

Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography–mass spectrometry for the characterization of rice oil triacylglycerol positional isomers 1041(2004)135

Nonsteroidal anti-inflammatory drugs

Chromatographic behaviour of naproxen–cyclodextrin complexes. Stationary phase C₈ alkyl chain as competitor for the drug release from cyclodextrin cavity 1041(2004)187

Numerical analysis

Modeling chromatographic columns. Non-equilibrium packed-bed adsorption with non-linear adsorption isotherms 1041(2004)77

Oligostyrenes

Comprehensive two-dimensional separations of complex mixtures using reversed-phase reversed-phase liquid chromatography 1041(2004)101

Paclitaxel

Enhanced method performance due to a shorter chromatographic run-time in a liquid chromatography–tandem mass spectrometry assay for paclitaxel 1041(2004)235

Palmatine

Separation of protoberberine quaternary alkaloids from a crude extract of *Enantia chlorantha* by centrifugal partition chromatography 1041(2004)143

Partitioning

Efficient isolation of polyaromatic fraction from aliphatic compounds in complex extracts using dimethylformamide–pentane partitionings 1041(2004)111

pH effects

Effect of the pH, the concentration and the nature of the buffer on the adsorption mechanism of an ionic compound in reversed-phase liquid chromatography. II. Analytical and overloaded band profiles on Symmetry-C₁₈ and Xterra-C₁₈ 1041(2004)63

Pharmaceutical analysis

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Development of a high-performance liquid chromatographic method with electrochemical detection for the determination of hyperforin 1041(2004)181

Identification of major active constituents in the fingerprint of *Salvia miltiorrhiza Bunge* developed by high-speed counter-current chromatography 1041(2004)239

Phase transfer catalysis

Analytical procedure for the in-vial derivatization—extraction of phenolic acids and flavonoids in methanolic and aqueous plant extracts followed by gas chromatography with mass-selective detection 1041(2004)11

Phenolic acids

Analytical procedure for the in-vial derivatization—extraction of phenolic acids and flavonoids in methanolic and aqueous plant extracts followed by gas chromatography with mass-selective detection 1041(2004)11

Phenolic xenoestrogens

Trace analysis of phenolic xenoestrogens in water samples by stir bar sorptive extraction with in situ derivatization and thermal desorption–gas chromatography–mass spectrometry 1041(2004)19

Plant materials

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Poly(dimethylsiloxane)

Electrochemical detector for microchip electrophoresis of poly(dimethylsiloxane) with a three-dimensional adjustor 1041(2004)245

Polybrominated diphenyl ethers

Influence of the injection technique and the column system on gas chromatographic determination of polybrominated diphenyl ethers 1041(2004)201

Polychlorinated biphenyls

Efficient isolation of polyaromatic fraction from aliphatic compounds in complex extracts using dimethylformamide–pentane partitionings 1041(2004)111

Polymers

Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments 1041(2004)43

Polynuclear aromatic hydrocarbons

Efficient isolation of polyaromatic fraction from aliphatic compounds in complex extracts using dimethylformamide–pentane partitionings 1041(2004)111

Polysaccharides

Definition and system implementation of strategies for method development of chiral separations in normal- or reversed-phase liquid chromatography using polysaccharide-based stationary phases 1041(2004)119

Polystyrene

Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments 1041(2004)43

Positional isomers

Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography–mass spectrometry for the characterization of rice oil triacylglycerol positional isomers 1041(2004)135

Preparative chromatography

Analysis of the isolation of a target component using multicomponent isocratic preparative elution chromatography 1041(2004)53

Preparative counter-current chromatography isolation of liensinine and its analogues from embryo of the seed of *Nelumbo nucifera* GAERTN. using upright coil planet centrifuge with four multilayer coils connected in series 1041(2004)153

Press-fit connector

Influence of the injection technique and the column system on gas chromatographic determination of polybrominated diphenyl ethers 1041(2004)201

Production rates

Analysis of the isolation of a target component using multicomponent isocratic preparative elution chromatography 1041(2004)53

Propranolol

Effect of the pH, the concentration and the nature of the buffer on the adsorption mechanism of an ionic compound in reversed-phase liquid chromatography. II. Analytical and overloaded band profiles on Symmetry-C₁₈ and Xterra-C₁₈ 1041(2004)63

Protein A

Modeling chromatographic columns. Non-equilibrium packed-bed adsorption with non-linear adsorption isotherms 1041(2004)77

Proteins

Modeling chromatographic columns. Non-equilibrium packed-bed adsorption with non-linear adsorption isotherms 1041(2004)77

Pseudocolumbamine

Separation of protoberberine quaternary alkaloids from a crude extract of *Enantia chlorantha* by centrifugal partition chromatography 1041(2004)143

Pyridine

Effect of alcohols on elution chromatography of trivalent actinides and lanthanides using tertiary pyridine resin with hydrochloric acid–alcohol mixed solvents 1041(2004)195

Quinolones

Determination of quinolones in water samples by solid-phase extraction and liquid chromatography with fluorimetric detection 1041(2004)27

Rare earth ions

Effect of alcohols on elution chromatography of trivalent actinides and lanthanides using tertiary pyridine resin with hydrochloric acid–alcohol mixed solvents 1041(2004)195

Retention behaviour

Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments 1041(2004)43

Retention gap

Influence of the injection technique and the column system on gas chromatographic determination of polybrominated diphenyl ethers 1041(2004)201

Retention models

Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments 1041(2004)43

Retention prediction

Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments 1041(2004)43

Salvia miltiorrhiza

Identification of major active constituents in the fingerprint of *Salvia miltiorrhiza* Bunge developed by high-speed counter-current chromatography 1041(2004)239

Sensitivity

Enhanced method performance due to a shorter chromatographic run-time in a liquid chromatography–tandem mass spectrometry assay for paclitaxel 1041(2004)235

Silica, C₈ bonded

Chromatographic behaviour of naproxen–cyclodextrin complexes. Stationary phase C₈ alkyl chain as competitor for the drug release from cyclodextrin cavity 1041(2004)187

Silver ion liquid chromatography

Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography–mass spectrometry for the characterization of rice oil triacylglycerol positional isomers 1041(2004)135

Solid-phase extraction

Determination of quinolones in water samples by solid-phase extraction and liquid chromatography with fluorimetric detection 1041(2004)27

Solid-phase microextraction

Novel fiber coated with amide bridged-calix[4]arene used for solid-phase microextraction of aliphatic amines 1041(2004)1

St. John's Wort

Development of a high-performance liquid chromatographic method with electrochemical detection for the determination of hyperforin 1041(2004)181

Stationary phases, GC

Influence of the injection technique and the column system on gas chromatographic determination of polybrominated diphenyl ethers 1041(2004)201

Stationary phases, LC

Effect of the pH, the concentration and the nature of the buffer on the adsorption mechanism of an ionic compound in reversed-phase liquid chromatography. II. Analytical and overloaded band profiles on Symmetry-C₁₈ and Xterra-C₁₈ 1041(2004)63

Ion chromatographic determination of hydroxide ion on monolithic reversed-phase silica gel columns coated with nonionic and cationic surfactants 1041(2004)95

Stir bar sorptive extraction

Trace analysis of phenolic xenoestrogens in water samples by stir bar sorptive extraction with in situ derivatization and thermal desorption–gas chromatography–mass spectrometry 1041(2004)19

Surface diffusion

Modeling chromatographic columns. Non-equilibrium packed-bed adsorption with non-linear adsorption isotherms 1041(2004)77

Surfactants

Ion chromatographic determination of hydroxide ion on monolithic reversed-phase silica gel columns coated with nonionic and cationic surfactants 1041(2004)95

Determination of the aggregation threshold of non–UV-absorbing, neutral or charged surfactants by frontal- and vacancy-frontal analysis continuous capillary electrophoresis 1041(2004)219

Tanshinones

Identification of major active constituents in the fingerprint of *Salvia miltiorrhiza Bunge* developed by high-speed counter-current chromatography 1041(2004)239

Tramadol

Migration behaviour and separation of tramadol metabolites and diastereomeric separation of tramadol glucuronides by capillary electrophoresis 1041(2004)227

Triacylglycerols

Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography–mass spectrometry for the characterization of rice oil triacylglycerol positional isomers 1041(2004)135

Triglycerides

Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography–mass spectrometry for the characterization of rice oil triacylglycerol positional isomers 1041(2004)135

Vacancy frontal analysis continuous capillary electrophoresis

Determination of the aggregation threshold of non-UV-absorbing, neutral or charged surfactants by frontal- and vacancy-frontal analysis continuous capillary electrophoresis 1041(2004)219

Water analysis

Trace analysis of phenolic xenoestrogens in water samples by stir bar sorptive extraction with in situ derivatization and thermal desorption–gas chromatography–mass spectrometry 1041(2004)19

Determination of quinolones in water samples by solid-phase extraction and liquid chromatography with fluorimetric detection 1041(2004)27

Determination of pharmaceutical compounds in surface- and ground-water samples by solid-phase extraction and high-performance liquid chromatography–electrospray ionization mass spectrometry 1041(2004)171