

Subject Index Vol. 1061

Adsorption isotherms

Human insulin and desamido human insulin isotherms in ethanol–water reversed phase systems 1061(2004)141

Aggregation number

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Air analysis

Study of the relative response factors of various gas chromatograph–flame ionisation detector systems for measurement of C₂–C₉ hydrocarbons in air 1061(2004)75

1-Aminocyclopropane-1-carboxylic acid

Determination of 1-aminocyclopropane-1-carboxylic acid in apple extracts by capillary electrophoresis with laser-induced fluorescence detection 1061(2004)99

Andiandrogen

Sensitive trace enrichment of environmental andiandrogen vinclozolin from natural waters and sediment samples using hollow-fiber liquid-phase microextraction 1061(2004)11

Anti-Langmuir isotherm

Human insulin and desamido human insulin isotherms in ethanol–water reversed phase systems 1061(2004)141

Basic compounds

Reversed-phase liquid chromatography column testing: robustness study of the test 1061(2004)149

Bergapten

Preparative isolation and purification of bergapten and imperatorin from the medicinal plant *Cnidium monnieri* using high-speed counter-current chromatography by stepwise increasing the flow-rate of the mobile phase 1061(2004)51

Biporous medium

Novel biporous polymeric stationary phase for high-speed protein chromatography 1061(2004)159

Capillary electrophoresis

Simultaneous determination of inorganic and organic gunshot residues by capillary electrophoresis 1061(2004)225

Capillary zone electrophoresis

Determination of dissociation constants of pharmacologically active xanthenes by capillary zone electrophoresis with diode array detection 1061(2004)217

CD detection

A new application of stopped-flow chiral HPLC: inversion of enantiomer elution order 1061(2004)27

Charcoal cleanup

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

CHIROBIOTIC TAG™ column

Enantio- and chemo-selective HPLC separations by chiral–achiral tandem-columns approach: the combination of CHIROBIOTIC TAG™ and SCX columns for the analysis of propionyl carnitine and related impurities 1061(2004)167

Chromatographic separation

Synthesis of two novel macroporous silica-based impregnated polymeric composites and their application in highly active liquid waste partitioning by extraction chromatography 1061(2004)175

Ciprofloxacin

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Cnidium monnieri

Preparative isolation and purification of bergapten and imperatorin from the medicinal plant *Cnidium monnieri* using high-speed counter-current chromatography by stepwise increasing the flow-rate of the mobile phase 1061(2004)51

Column characterization

Reversed-phase liquid chromatography column testing: robustness study of the test 1061(2004)149

Column peak capacity

Implications of column peak capacity on the separation of complex peptide mixtures in single- and two-dimensional high-performance liquid chromatography 1061(2004)183

Column-switching

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Cork

Purge-and-trap preconcentration system coupled to capillary gas chromatography with atomic emission detection for 2,4,6-trichloroanisole determination in cork stoppers and wines 1061(2004)85

Counter-current chromatography

Preparative isolation and purification of bergapten and imperatorin from the medicinal plant *Cnidium monnieri* using high-speed counter-current chromatography by stepwise increasing the flow-rate of the mobile phase 1061(2004)51

Critical aggregation concentration

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

CRMs

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

CTA membranes

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

DDD

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

DDE

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

DDT

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

DDT degradation

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

Densitometry

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Derivatization

Determination of 1-aminocyclopropane-1-carboxylic acid in apple extracts by capillary electrophoresis with laser-induced fluorescence detection 1061(2004)99

Dicarboxylic degradation products of nonylphenol polyethoxylates: synthesis and identification by gas chromatography–mass spectrometry using electron and chemical ionization modes 1061(2004)115

Derivatization, GC

Determination of thiodiglycol, a mustard gas hydrolysis product by gas chromatography–mass spectrometry after *tert*-butyldimethylsilylation 1061(2004)235

Desamido human insulin

Human insulin and desamido human insulin isotherms in ethanol–water reversed phase systems 1061(2004)141

Destruxins

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

Dicarboxylic degradation products

Dicarboxylic degradation products of nonylphenol polyethoxylates: synthesis and identification by gas chromatography–mass spectrometry using electron and chemical ionization modes 1061(2004)115

Dichloromethane extraction

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

Diode array detection

Determination of dissociation constants of pharmacologically active xanthenes by capillary zone electrophoresis with diode array detection 1061(2004)217

Direct injection gas chromatography

Methyl methacrylate in poly(methyl methacrylate)—validation of direct injection gas chromatography 1061(2004)93

Dissociation constant

Determination of dissociation constants of pharmacologically active xanthenes by capillary zone electrophoresis with diode array detection 1061(2004)217

Elution order reversal

A new application of stopped-flow chiral HPLC: inversion of enantiomer elution order 1061(2004)27

Emulsification

Novel biporous polymeric stationary phase for high-speed protein chromatography 1061(2004)159

Enantiomer separation

A new application of stopped-flow chiral HPLC: inversion of enantiomer elution order 1061(2004)27

Endocrine disruptor compounds

Sensitive trace enrichment of environmental antiandrogen vinclozolin from natural waters and sediment samples using hollow-fiber liquid-phase microextraction 1061(2004)11

Enrofloxacin

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Environmental analysis

Dicarboxylic degradation products of nonylphenol polyethoxylates: synthesis and identification by gas chromatography–mass spectrometry using electron and chemical ionization modes 1061(2004)115

Equivalent chain lengths

Two-dimensional fatty acid retention indices 1061(2004)201

ESI-MS

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

Experimental design

Reversed-phase liquid chromatography column testing: robustness study of the test 1061(2004)149

Explosives

Simultaneous determination of inorganic and organic gunshot residues by capillary electrophoresis 1061(2004)225

Extraction methods

Determination of residual styrene monomer in polystyrene granules by gas chromatography–mass spectrometry 1061(2004)211

Fatty acid methyl esters

Two-dimensional fatty acid retention indices 1061(2004)201

FID

Study of the relative response factors of various gas chromatograph–flame ionisation detector systems for measurement of C₂–C₉ hydrocarbons in air 1061(2004)75

Flumequine

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Fluorescence quenching method

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Fluoroquinolones

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Fragmentation

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

3-(2-Furoyl)quinoline-2-carboxaldehyde

Determination of 1-aminocyclopropane-1-carboxylic acid in apple extracts by capillary electrophoresis with laser-induced fluorescence detection 1061(2004)99

Gas chromatography

Study of the relative response factors of various gas chromatograph–flame ionisation detector systems for measurement of C₂–C₉ hydrocarbons in air 1061(2004)75

Two-dimensional fatty acid retention indices 1061(2004)201

Gas chromatography–atomic emission detection

Purge-and-trap preconcentration system coupled to capillary gas chromatography with atomic emission detection for 2,4,6-trichloroanisole determination in cork stoppers and wines 1061(2004)85

Glycerol

Hydrophobic interaction chromatography correctly refolding proteins assisted by glycerol and urea gradients 1061(2004)193

Gradient

Hydrophobic interaction chromatography correctly refolding proteins assisted by glycerol and urea gradients 1061(2004)193

Growth hormone-releasing factor

Chromatographic separation and mass spectrometric identification of positional isomers of polyethylene glycol-modified growth hormone-releasing factor (1-29) 1061(2004)45

Gunshot residues

Simultaneous determination of inorganic and organic gunshot residues by capillary electrophoresis 1061(2004)225

Herbal medicine

Determination of dissociation constants of pharmacologically active xanthenes by capillary zone electrophoresis with diode array detection 1061(2004)217

Heterogeneous catalysis

Gas chromatographic investigation of the competition between mass transfer and kinetics on a solid catalyst 1061(2004)55

Highly active liquid waste

Synthesis of two novel macroporous silica-based impregnated polymeric composites and their application in highly active liquid waste partitioning by extraction chromatography 1061(2004)175

High-performance liquid chromatography

Implications of column peak capacity on the separation of complex peptide mixtures in single- and two-dimensional high-performance liquid chromatography 1061(2004)183

HPLC–DAD–MS–MS

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

Human insulin

Human insulin and desamido human insulin isotherms in ethanol–water reversed phase systems 1061(2004)141

Hydrocarbons

Study of the relative response factors of various gas chromatograph–flame ionisation detector systems for measurement of C₂–C₉ hydrocarbons in air 1061(2004)75

Hydrophobic interaction chromatography

Hydrophobic interaction chromatography correctly refolding proteins assisted by glycerol and urea gradients 1061(2004)193

Imperatorin

Preparative isolation and purification of bergapten and imperatorin from the medicinal plant *Cnidium monnieri* using high-speed counter-current chromatography by stepwise increasing the flow-rate of the mobile phase 1061(2004)51

Inverse gas chromatography

Gas chromatographic investigation of the competition between mass transfer and kinetics on a solid catalyst 1061(2004)55

Ion-trap MS

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

Isomer separation

Chromatographic separation and mass spectrometric identification of positional isomers of polyethylene glycol-modified growth hormone-releasing factor (1-29) 1061(2004)45

Kinetics

Gas chromatographic investigation of the competition between mass transfer and kinetics on a solid catalyst 1061(2004)55

LC–MS

Suitability of hollow fibre liquid-phase microextraction for the determination of acidic pharmaceuticals in wastewater by liquid chromatography–electrospray tandem mass spectrometry without matrix effects 1061(2004)19

Liquid phase microextraction

Sensitive trace enrichment of environmental androgen vinclozolin from natural waters and sediment samples using hollow-fiber liquid-phase microextraction 1061(2004)11

Suitability of hollow fibre liquid-phase microextraction for the determination of acidic pharmaceuticals in wastewater by liquid chromatography–electrospray tandem mass spectrometry without matrix effects 1061(2004)19

Lysozyme

Hydrophobic interaction chromatography correctly refolding proteins assisted by glycerol and urea gradients 1061(2004)193

MAREC process

Synthesis of two novel macroporous silica-based impregnated polymeric composites and their application in highly active liquid waste partitioning by extraction chromatography 1061(2004)175

Mass transfer

Gas chromatographic investigation of the competition between mass transfer and kinetics on a solid catalyst 1061(2004)55

Matrix effects

Suitability of hollow fibre liquid-phase microextraction for the determination of acidic pharmaceuticals in wastewater by liquid chromatography–electrospray tandem mass spectrometry without matrix effects 1061(2004)19

Matrix interference

Simple and surprisingly effective one-step extraction–cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

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

Chromatographic separation and mass spectrometric identification of positional isomers of polyethylene glycol-modified growth hormone-releasing factor (1-29) 1061(2004)45

Metal complexes

Simultaneous determination of inorganic and organic gunshot residues by capillary electrophoresis 1061(2004)225

Metarhizium anisopliae

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

Methyl methacrylate

Methyl methacrylate in poly(methyl methacrylate)—validation of direct injection gas chromatography 1061(2004)93

Micellar electrokinetic chromatography

Determination of 1-aminocyclopropane-1-carboxylic acid in apple extracts by capillary electrophoresis with laser-induced fluorescence detection 1061(2004)99

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Simultaneous determination of inorganic and organic gunshot residues by capillary electrophoresis 1061(2004)225

Microwave-assisted extraction

Determination of 21 organochlorine pesticides in tree leaves using solid-phase extraction clean-up cartridges 1061(2004)133

Milk

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Mixed-bed columns

Enantio- and chemo-selective HPLC separations by chiral–achiral tandem-columns approach: the combination of CHIROBIOTIC TAGTM and SCX columns for the analysis of propionyl carnitine and related impurities 1061(2004)167

Multimerization

Human insulin and desamido human insulin isotherms in ethanol–water reversed phase systems 1061(2004)141

Nonylphenol polyethoxylates

Dicarboxylic degradation products of nonylphenol polyethoxylates: synthesis and identification by gas chromatography–mass spectrometry using electron and chemical ionization modes 1061(2004)115

Organochlorine pesticides

Determination of 21 organochlorine pesticides in tree leaves using solid-phase extraction clean-up cartridges 1061(2004)133

Oxolinic acid

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Partial specific volume

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Peat

Simple and surprisingly effective one-step extraction–cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

PEGylation

Chromatographic separation and mass spectrometric identification of positional isomers of polyethylene glycol-modified growth hormone-releasing factor (1-29) 1061(2004)45

Pharmaceutical analysis

Preparative isolation and purification of bergapten and imperatorin from the medicinal plant *Cnidium monnieri* using high-speed counter-current chromatography by stepwise increasing the flow-rate of the mobile phase 1061(2004)51

Pharmaceuticals

Suitability of hollow fibre liquid-phase microextraction for the determination of acidic pharmaceuticals in wastewater by liquid chromatography–electrospray tandem mass spectrometry without matrix effects 1061(2004)19

Physicochemical measurements

Gas chromatographic investigation of the competition between mass transfer and kinetics on a solid catalyst 1061(2004)55

Plant materials

Preparative isolation and purification of bergapten and imperatorin from the medicinal plant *Cnidium monnieri* using high-speed counter-current chromatography by stepwise increasing the flow-rate of the mobile phase 1061(2004)51

Poly(methyl methacrylate)

Methyl methacrylate in poly(methyl methacrylate)—validation of direct injection gas chromatography 1061(2004)93

Polymeric chiral stationary phases

A new application of stopped-flow chiral HPLC: inversion of enantiomer elution order 1061(2004)27

Polymerization

Novel biporous polymeric stationary phase for high-speed protein chromatography 1061(2004)159

Polystyrene

Determination of residual styrene monomer in polystyrene granules by gas chromatography–mass spectrometry 1061(2004)211

Preparative chromatography

Preparative isolation and purification of bergapten and imperatorin from the medicinal plant *Cnidium monnieri* using high-speed counter-current chromatography by stepwise increasing the flow-rate of the mobile phase 1061(2004)51

Principal component analysis

Two-dimensional fatty acid retention indices 1061(2004)201

Principal component regression

Two-dimensional fatty acid retention indices 1061(2004)201

Propionyl carnitine

Enantio- and chemo-selective HPLC separations by chiral–achiral tandem-columns approach: the combination of CHIROBIOTIC TAG™ and SCX columns for the analysis of propionyl carnitine and related impurities 1061(2004)167

Proteins

Novel biporous polymeric stationary phase for high-speed protein chromatography 1061(2004)159

Proteomic

Implications of column peak capacity on the separation of complex peptide mixtures in single- and two-dimensional high-performance liquid chromatography 1061(2004)183

Purge-and-trap

Purge-and-trap preconcentration system coupled to capillary gas chromatography with atomic emission detection for 2,4,6-trichloroanisole determination in cork stoppers and wines 1061(2004)85

Quantitative NMR

Methyl methacrylate in poly(methyl methacrylate)—validation of direct injection gas chromatography 1061(2004)93

Quinolones

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Refolding

Hydrophobic interaction chromatography correctly refolding proteins assisted by glycerol and urea gradients 1061(2004)193

Retention indices

Two-dimensional fatty acid retention indices 1061(2004)201

Reversed phase chromatography

Human insulin and desamido human insulin isotherms in ethanol–water reversed phase systems 1061(2004)141

Reversed-phase HPLC

Chromatographic separation and mass spectrometric identification of positional isomers of polyethylene glycol-modified growth hormone-releasing factor (1-29) 1061(2004)45

Rhodium

Gas chromatographic investigation of the competition between mass transfer and kinetics on a solid catalyst 1061(2004)55

Robustness

Reversed-phase liquid chromatography column testing: robustness study of the test 1061(2004)149

Sarafloxacin

Determination and on-line clean-up of (fluoro)quinolones in bovine milk using column-switching liquid chromatography fluorescence detection 1061(2004)123

Sediment

Simple and surprisingly effective one-step extraction-cleanup by Soxhlo for DDT and its metabolites from environmental samples 1061(2004)1

Sediment analysis

Sensitive trace enrichment of environmental androgen vinclozolin from natural waters and sediment samples using hollow-fiber liquid-phase microextraction 1061(2004)11

Silica-based polymeric material

Synthesis of two novel macroporous silica-based impregnated polymeric composites and their application in highly active liquid waste partitioning by extraction chromatography 1061(2004)175

Sodium di(2-ethylhexyl) phosphate

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Sodium di(2-ethylhexyl) sulfosuccinate

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Soil

Simple and surprisingly effective one-step extraction-cleanup by Soxhlo for DDT and its metabolites from environmental samples 1061(2004)1

Solvent effect

Reversed-phase liquid chromatography column testing: robustness study of the test 1061(2004)149

Stationary phases

Reversed-phase liquid chromatography column testing: robustness study of the test 1061(2004)149

Stationary phases, LC

Novel biporous polymeric stationary phase for high-speed protein chromatography 1061(2004)159

Stopped-flow chiral HPLC

A new application of stopped-flow chiral HPLC: inversion of enantiomer elution order 1061(2004)27

Styrene

Determination of residual styrene monomer in polystyrene granules by gas chromatography–mass spectrometry 1061(2004)211

Synthesis

Synthesis of two novel macroporous silica-based impregnated polymeric composites and their application in highly active liquid waste partitioning by extraction chromatography 1061(2004)175

Tandem-columns chiral–achiral HPLC

Enantio- and chemo-selective HPLC separations by chiral–achiral tandem-columns approach: the combination of CHIROBIOTIC TAGTM and SCX columns for the analysis of propionyl carnitine and related impurities 1061(2004)167

Temperature effects

A new application of stopped-flow chiral HPLC: inversion of enantiomer elution order 1061(2004)27

Tensiometry

Characterization and application of sodium di(2-ethylhexyl) sulfosuccinate and sodium di(2-ethylhexyl) phosphate surfactants as pseudostationary phases in micellar electrokinetic chromatography 1061(2004)105

Thiodiglycol

Determination of thiodiglycol, a mustard gas hydrolysis product by gas chromatography–mass spectrometry after *tert*-butyldimethylsilylation 1061(2004)235

Tree leaves

Determination of 21 organochlorine pesticides in tree leaves using solid-phase extraction clean-up cartridges 1061(2004)133

2,4,6-Trichloroanisole

Purge-and-trap preconcentration system coupled to capillary gas chromatography with atomic emission detection for 2,4,6-trichloroanisole determination in cork stoppers and wines 1061(2004)85

Two-dimensional (2D)

Implications of column peak capacity on the separation of complex peptide mixtures in single- and two-dimensional high-performance liquid chromatography 1061(2004)183

Ultrafiltration

Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarhizium anisopliae* culture broth 1061(2004)35

Vinclozolin

Sensitive trace enrichment of environmental androgen vinclozolin from natural waters and sediment samples using hollow-fiber liquid-phase microextraction 1061(2004)11

Wastewater

Suitability of hollow fibre liquid-phase microextraction for the determination of acidic pharmaceuticals in wastewater by liquid chromatography–electrospray tandem mass spectrometry without matrix effects 1061(2004)19

Water analysis

Sensitive trace enrichment of environmental androgen vinclozolin from natural waters and sediment samples using hollow-fiber liquid-phase microextraction 1061(2004)11

Weathered samples

Simple and surprisingly effective one-step extraction-cleanup by Soxhlet for DDT and its metabolites from environmental samples 1061(2004)1

Wine

Purge-and-trap preconcentration system coupled to capillary gas chromatography with atomic emission detection for 2,4,6-trichloroanisole determination in cork stoppers and wines 1061(2004)85

Xanthone

Determination of dissociation constants of pharmacologically active xanthenes by capillary zone electrophoresis with diode array detection 1061(2004)217