

Subject Index Vol. 1043

Accuracy

Accuracy and precision of adsorption isotherm parameters measured by dynamic HPLC methods 1043(2004)159

Adsorbents

Agarose-coated anion exchanger prevents cell-adsorbent interactions 1043(2004)195

Adsorption equilibrium

Accuracy and precision of adsorption isotherm parameters measured by dynamic HPLC methods 1043(2004)159

Adsorption isotherms

Accuracy and precision of adsorption isotherm parameters measured by dynamic HPLC methods 1043(2004)159

Adsorption–desorption kinetics

Equivalence of the microscopic and macroscopic models of chromatography: stochastic–dispersive versus lumped kinetic model 1043(2004)149

Affinity adsorption

Membrane protein isolation by in situ solubilization, partitioning and affinity adsorption in aqueous two-phase systems. Purification of the human type 1 11 β -hydroxysteroid dehydrogenase 1043(2004)217

Affinity chromatography

Selective enrichment of monospecific polyclonal antibodies for antibody-based proteomics efforts 1043(2004)33

Agarose coating

Agarose-coated anion exchanger prevents cell-adsorbent interactions 1043(2004)195

Aggregate formation

Detection of aggregate formation during production of human immunoglobulin G by means of light scattering 1043(2004)41

Albumin

Profiling of rat plasma by surface-enhanced laser desorption/ionization time-of-flight mass spectrometry, a novel tool for biomarker discovery in nutrition research 1043(2004)65

Alcohol ethoxylates

Determination of alcohol polyether average molar oligomer value/distribution via supercritical fluid chromatography coupled with UV and MS detection 1043(2004)285

Alcohol propoxylates

Determination of alcohol polyether average molar oligomer value/distribution via supercritical fluid chromatography coupled with UV and MS detection 1043(2004)285

Allantoin

Simultaneous determination of allantoin, choline and L-arginine in *Rhizoma Dioscoreae* by capillary electrophoresis 1043(2004)317

Amberlite IRA-400

Agarose-coated anion exchanger prevents cell-adsorbent interactions 1043(2004)195

Amino acids

Potential of fermentation profiling via rapid measurement of amino acid metabolism by liquid chromatography–tandem mass spectrometry 1043(2004)3

Simultaneous operation of plural separation modes in capillary electrophoresis with a chemiluminescence detector possessing a micro-space area for reaction/detection 1043(2004)333

Antibodies

Selective enrichment of monospecific polyclonal antibodies for antibody-based proteomics efforts 1043(2004)33

Aqueous two-phase systems

Modeling continuous aqueous two-phase systems for control purposes 1043(2004)135

Membrane protein isolation by in situ solubilization, partitioning and affinity adsorption in aqueous two-phase systems. Purification of the human type 1 11 β -hydroxysteroid dehydrogenase 1043(2004)217

Arginine

Simultaneous determination of allantoin, choline and L-arginine in *Rhizoma Dioscoreae* by capillary electrophoresis 1043(2004)317

Aromatic herbs

Solvent-free microwave extraction of essential oil from aromatic herbs: comparison with conventional hydro-distillation 1043(2004)323

Arsenic

Arsenic complexes in the arsenic hyperaccumulator *Pteris vittata* (Chinese brake fern) 1043(2004)249

Atropisomers

Chiral separations in microemulsion electrokinetic chromatography. Use of micelle polymers and microemulsion polymers 1043(2004)291

Automation

Characterisation of fluorinated copolymers using liquid chromatography coupled on-line to mass spectrometry, with automated data interpretation 1043(2004)239

Barbiturates

Chiral separations in microemulsion electrokinetic chromatography. Use of micelle polymers and microemulsion polymers 1043(2004)291

Buffer composition

Impact of organic solvents on the resolution of synthetic peptides by capillary electrophoresis 1043(2004)81

Analysis of synthetic peptides by capillary electrophoresis. Effect of organic solvent modifiers and variable electrical potentials on separation efficiencies 1043(2004)91

Capillary electrophoresis

Capillary zone electrophoresis of α -helical diastereomeric peptide pairs with anionic ion-pairing reagents 1043(2004)113

Cells

Agarose-coated anion exchanger prevents cell-adsorbent interactions 1043(2004)195

Characteristic function

Equivalence of the microscopic and macroscopic models of chromatography: stochastic-dispersive versus lumped kinetic model 1043(2004)149

Chemiluminescence detection

Simultaneous operation of plural separation modes in capillary electrophoresis with a chemiluminescence detector possessing a micro-space area for reaction/detection 1043(2004)333

Choline

Simultaneous determination of allantoin, choline and L-arginine in *Rhizoma Dioscoreae* by capillary electrophoresis 1043(2004)317

Chromatographic models

Equivalence of the microscopic and macroscopic models of chromatography: stochastic-dispersive versus lumped kinetic model 1043(2004)149

Cigarette smoke

Characterization of complex hydrocarbons in cigarette smoke condensate by gas chromatography-mass spectrometry and comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry 1043(2004)265

Counter-current chromatography

Preparative isolation and purification of syringin and edgeworoside C from *Edgeworthia chrysantha Lindl* by high-speed counter-current chromatography 1043(2004)329

Data interpretation, automated

Characterisation of fluorinated copolymers using liquid chromatography coupled on-line to mass spectrometry, with automated data interpretation 1043(2004)239

Degree of freedom

Modeling continuous aqueous two-phase systems for control purposes 1043(2004)135

Derivatization, GC

Determination of pentafluorobenzyl derivatives of phosphonic and phosphothioic acids by gas chromatography-mass spectrometry 1043(2004)275

Detection, electrophoresis

Simultaneous operation of plural separation modes in capillary electrophoresis with a chemiluminescence detector possessing a micro-space area for reaction/detection 1043(2004)333

Detection, LC

Detection of aggregate formation during production of human immunoglobulin G by means of light scattering 1043(2004)41

Dialkyl sulfides

Preparation and evaluation of nickelmesogen for micropacked gas chromatography 1043(2004)255

Diastereomer separation

Capillary zone electrophoresis of α -helical diastereomeric peptide pairs with anionic ion-pairing reagents 1043(2004)113

Edgeworoside C

Preparative isolation and purification of syringin and edgeworoside C from *Edgeworthia chrysantha Lindl* by high-speed counter-current chromatography 1043(2004)329

Edgeworthia chrysantha

Preparative isolation and purification of syringin and edgeworoside C from *Edgeworthia chrysantha Lindl* by high-speed counter-current chromatography 1043(2004)329

Efficiency

Analysis of synthetic peptides by capillary electrophoresis. Effect of organic solvent modifiers and variable electrical potentials on separation efficiencies 1043(2004)91

Electroosmotic flow

Impact of organic solvents on the resolution of synthetic peptides by capillary electrophoresis 1043(2004)81

Electrophoretic mobility

Impact of organic solvents on the resolution of synthetic peptides by capillary electrophoresis 1043(2004)81

Enantiomer separation

Chiral separations in microemulsion electrokinetic chromatography. Use of micelle polymers and microemulsion polymers 1043(2004)291

Enzymes

Effect of surface hydrophobicity distribution on retention of ribonucleases in hydrophobic interaction chromatography 1043(2004)47

Membrane protein isolation by in situ solubilization, partitioning and affinity adsorption in aqueous two-phase systems. Purification of the human type 1 11 β -hydroxysteroid dehydrogenase 1043(2004)217

Epimerization kinetics

Kinetic study on the epimerization of trityloxymethyl butyrolactol by liquid chromatography 1043(2004)171

Essential oils

Solvent-free microwave extraction of essential oil from aromatic herbs: comparison with conventional hydro-distillation 1043(2004)323

Ethoxylates

Determination of alcohol polyether average molar oligomer value/distribution via supercritical fluid chromatography coupled with UV and MS detection 1043(2004)285

Ethylenebis (isothiocyanate) sulfide

Simultaneous determination of maneb and its main metabolites in tomatoes by liquid chromatography using diode array ultraviolet absorbance detection 1043(2004)225

Ethylenethiourea

Simultaneous determination of maneb and its main metabolites in tomatoes by liquid chromatography using diode array ultraviolet absorbance detection 1043(2004)225

Ethyleneurea

Simultaneous determination of maneb and its main metabolites in tomatoes by liquid chromatography using diode array ultraviolet absorbance detection 1043(2004)225

Extraction methods

Determination of herbicide residues in juice by matrix solid-phase dispersion and gas chromatography–mass spectrometry 1043(2004)127

Fluidized bed adsorption

Agarose-coated anion exchanger prevents cell-adsorbent interactions 1043(2004)195

Food analysis

Analysis of mono- and disaccharides in milk-based formulae by high-performance liquid chromatography with refractive index detection 1043(2004)211

Multiple-stage mass spectrometric analysis of six pesticides in oranges by liquid chromatography–atmospheric pressure chemical ionization–ion trap mass spectrometry 1043(2004)231

Fouling

Agarose-coated anion exchanger prevents cell-adsorbent interactions 1043(2004)195

Frontal analysis

Accuracy and precision of adsorption isotherm parameters measured by dynamic HPLC methods 1043(2004)159

Fruit juices

Determination of herbicide residues in juice by matrix solid-phase dispersion and gas chromatography–mass spectrometry 1043(2004)127

Gas chromatography, comprehensive two-dimensional

Characterization of complex hydrocarbons in cigarette smoke condensate by gas chromatography–mass spectrometry and comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry 1043(2004)265

Gibbs activation energy

Kinetic study on the epimerization of trityloxymethyl butyrolactol by liquid chromatography 1043(2004)171

Green chemistry

Solvent-free microwave extraction of essential oil from aromatic herbs: comparison with conventional hydro-distillation 1043(2004)323

Human immunodeficiency virus

Evaluation of on-line high-performance size-exclusion chromatography, differential refractometry, and multi-angle laser light scattering analysis for the monitoring of the oligomeric state of human immunodeficiency virus vaccine protein antigen 1043(2004)57

Hydrocarbons

Characterization of complex hydrocarbons in cigarette smoke condensate by gas chromatography–mass spectrometry and comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry 1043(2004)265

Hydro-distillation

Solvent-free microwave extraction of essential oil from aromatic herbs: comparison with conventional hydro-distillation 1043(2004)323

Hydrophobic contact area

Effect of surface hydrophobicity distribution on retention of ribonucleases in hydrophobic interaction chromatography 1043(2004)47

Hydrophobic interaction chromatography

Effect of surface hydrophobicity distribution on retention of ribonucleases in hydrophobic interaction chromatography 1043(2004)47

Immobilized metal-ion affinity chromatography

Selective enrichment of monospecific polyclonal antibodies for antibody-based proteomics efforts 1043(2004)33

Immunoglobulins

Detection of aggregate formation during production of human immunoglobulin G by means of light scattering 1043(2004)41

Instrumentation

Simultaneous operation of plural separation modes in capillary electrophoresis with a chemiluminescence detector possessing a micro-space area for reaction/detection 1043(2004)333

Ion-interaction capillary zone electrophoresis

Capillary zone electrophoresis of α -helical diastereomeric peptide pairs with anionic ion-pairing reagents 1043(2004)113

Lactic acid

Agarose-coated anion exchanger prevents cell-adsorbent interactions 1043(2004)195

Lactols

Kinetic study on the epimerization of trityloxymethyl butyrolactol by liquid chromatography 1043(2004)171

LAS 35917

Development and validation of a capillary electrophoresis method with ultraviolet detection for the determination of the related substances in a pharmaceutical compound 1043(2004)303

Light scattering detection

Detection of aggregate formation during production of human immunoglobulin G by means of light scattering 1043(2004)41

Lumped kinetic model

Equivalence of the microscopic and macroscopic models of chromatography: stochastic–dispersive versus lumped kinetic model 1043(2004)149

Maneb

Simultaneous determination of maneb and its main metabolites in tomatoes by liquid chromatography using diode array ultraviolet absorbance detection 1043(2004)225

Mass spectrometry

Profiling of rat plasma by surface-enhanced laser desorption/ionization time-of-flight mass spectrometry, a novel tool for biomarker discovery in nutrition research 1043(2004)65

Mathematical modeling

Modeling continuous aqueous two-phase systems for control purposes 1043(2004)135

Matrix solid-phase dispersion

Determination of herbicide residues in juice by matrix solid-phase dispersion and gas chromatography–mass spectrometry 1043(2004)127

Membrane proteins

Membrane protein isolation by in situ solubilization, partitioning and affinity adsorption in aqueous two-phase systems. Purification of the human type 1 11 β -hydroxysteroid dehydrogenase 1043(2004)217

Metabolomics

Potential of fermentation profiling via rapid measurement of amino acid metabolism by liquid chromatography–tandem mass spectrometry 1043(2004)3

Metal complexes

Arsenic complexes in the arsenic hyperaccumulator *Pteris vittata* (Chinese brake fern) 1043(2004)249

Micelle polymers

Chiral separations in microemulsion electrokinetic chromatography. Use of micelle polymers and microemulsion polymers 1043(2004)291

Microemulsion electrokinetic chromatography

Chiral separations in microemulsion electrokinetic chromatography. Use of micelle polymers and microemulsion polymers 1043(2004)291

Microwave extraction

Solvent-free microwave extraction of essential oil from aromatic herbs: comparison with conventional hydro-distillation 1043(2004)323

Milk-based formulae

Analysis of mono- and disaccharides in milk-based formulae by high-performance liquid chromatography with refractive index detection 1043(2004)211

Mobile phase composition

Optimum concentration of trifluoroacetic acid for reversed-phase liquid chromatography of peptides revisited 1043(2004)9

Evaluation of an embedded polar C₄ phase for hydrophobic protein analysis by reversed-phase liquid chromatography 1043(2004)27

Selectivity differences in the separation of amphipathic α -helical peptides during reversed-phase liquid chromatography at pHs 2.0 and 7.0. Effects of different packings, mobile phase conditions and temperature 1043(2004)99

Accuracy and precision of adsorption isotherm parameters measured by dynamic HPLC methods 1043(2004)159

Determination of alcohol polyether average molar oligomer value/distribution via supercritical fluid chromatography coupled with UV and MS detection 1043(2004)285

Monolithic silica

Development of a monolithic silica extraction tip for the analysis of proteins 1043(2004)19

Multiple stage mass spectrometry

Multiple-stage mass spectrometric analysis of six pesticides in oranges by liquid chromatography–atmospheric pressure chemical ionization–ion trap mass spectrometry 1043(2004)231

Nickelmesogen

Preparation and evaluation of nickelmesogen for micropacked gas chromatography 1043(2004)255

Nucleosides

Two-fraction and three-fraction continuous simulated moving bed separation of nucleosides 1043(2004)201

Oranges

Multiple-stage mass spectrometric analysis of six pesticides in oranges by liquid chromatography–atmospheric pressure chemical ionization–ion trap mass spectrometry 1043(2004)231

Organofluorine compounds

Characterisation of fluorinated copolymers using liquid chromatography coupled on-line to mass spectrometry, with automated data interpretation 1043(2004)239

Paverolines

Chiral separations in microemulsion electrokinetic chromatography. Use of micelle polymers and microemulsion polymers 1043(2004)291

Peptides

Optimum concentration of trifluoroacetic acid for reversed-phase liquid chromatography of peptides revisited 1043(2004)9

Impact of organic solvents on the resolution of synthetic peptides by capillary electrophoresis 1043(2004)81

Analysis of synthetic peptides by capillary electrophoresis. Effect of organic solvent modifiers and variable electrical potentials on separation efficiencies 1043(2004)91

Selectivity differences in the separation of amphipathic α -helical peptides during reversed-phase liquid chromatography at pHs 2.0 and 7.0. Effects of different packings, mobile phase conditions and temperature 1043(2004)99

Capillary zone electrophoresis of α -helical diastereomeric peptide pairs with anionic ion-pairing reagents 1043(2004)113

Pesticides

Determination of herbicide residues in juice by matrix solid-phase dispersion and gas chromatography–mass spectrometry 1043(2004)127

Simultaneous determination of maneb and its main metabolites in tomatoes by liquid chromatography using diode array ultraviolet absorbance detection 1043(2004)225

Multiple-stage mass spectrometric analysis of six pesticides in oranges by liquid chromatography–atmospheric pressure chemical ionization–ion trap mass spectrometry 1043(2004)231

pH effects

Detection of aggregate formation during production of human immunoglobulin G by means of light scattering 1043(2004)41

Selectivity differences in the separation of amphipathic α -helical peptides during reversed-phase liquid chromatography at pHs 2.0 and 7.0. Effects of different packings, mobile phase conditions and temperature 1043(2004)99

Pharmaceutical analysis

Development and validation of a capillary electrophoresis method with ultraviolet detection for the determination of the related substances in a pharmaceutical compound 1043(2004)303

Simultaneous determination of allantoin, choline and L-arginine in Rhizoma Dioscoreae by capillary electrophoresis 1043(2004)317

Preparative isolation and purification of syringin and edgeworoside C from *Edgeworthia chrysantha Lindl* by high-speed counter-current chromatography 1043(2004)329

Phenol

Accuracy and precision of adsorption isotherm parameters measured by dynamic HPLC methods 1043(2004)159

Phenolic compounds

Simultaneous operation of plural separation modes in capillary electrophoresis with a chemiluminescence detector possessing a micro-space area for reaction/detection 1043(2004)333

Phosphonic acid

Determination of pentafluorobenzyl derivatives of phosphonic and phosphonothioic acids by gas chromatography–mass spectrometry 1043(2004)275

Phosphonothioic acid

Determination of pentafluorobenzyl derivatives of phosphonic and phosphonothioic acids by gas chromatography–mass spectrometry 1043(2004)275

Phosphopeptides

Development of a monolithic silica extraction tip for the analysis of proteins 1043(2004)19

Phytochelatin

Arsenic complexes in the arsenic hyperaccumulator *Pteris vittata* (Chinese brake fern) 1043(2004)249

Pichia pastoris

Membrane protein isolation by in situ solubilization, partitioning and affinity adsorption in aqueous two-phase systems. Purification of the human type 1 11 β -hydroxysteroid dehydrogenase 1043(2004)217

Plant materials

Preparative isolation and purification of syringin and edgeworoside C from *Edgeworthia chrysantha Lindl* by high-speed counter-current chromatography 1043(2004)329

Polar embedded phases

Investigations on the chromatographic behavior of hybrid reversed-phase materials containing electron donor–acceptor systems. I. Contribution of sulfur–aromatic interactions 1043(2004)177

Polymers

Characterisation of fluorinated copolymers using liquid chromatography coupled on-line to mass spectrometry, with automated data interpretation 1043(2004)239

Polynuclear aromatic hydrocarbons

Investigations on the chromatographic behavior of hybrid reversed-phase materials containing electron donor–acceptor systems. I. Contribution of sulfur–aromatic interactions 1043(2004)177

Polysodium-*N*-undecenoyl-*D*-valinate

Chiral separations in microemulsion electrokinetic chromatography. Use of micelle polymers and microemulsion polymers 1043(2004)291

Precision

Accuracy and precision of adsorption isotherm parameters measured by dynamic HPLC methods 1043(2004)159

Preparative chromatography

Two-fraction and three-fraction continuous simulated moving bed separation of nucleosides 1043(2004)201

Preparative isolation and purification of syringin and edgeworoside C from *Edgeworthia chrysantha Lindl* by high-speed counter-current chromatography 1043(2004)329

Process monitoring

Potential of fermentation profiling via rapid measurement of amino acid metabolism by liquid chromatography–tandem mass spectrometry 1043(2004)3

Propoxylates

Determination of alcohol polyether average molar oligomer value/distribution via supercritical fluid chromatography coupled with UV and MS detection 1043(2004)285

Propylthiol silica gel

Investigations on the chromatographic behavior of hybrid reversed-phase materials containing electron donor–acceptor systems. I. Contribution of sulfur–aromatic interactions 1043(2004)177

Protein epitope signature tags

Selective enrichment of monospecific polyclonal antibodies for antibody-based proteomics efforts 1043(2004)33

Protein-purification-parameter screening

Principle and applications of the protein-purification-parameter screening system 1043(2004)73

Proteins

Development of a monolithic silica extraction tip for the analysis of proteins 1043(2004)19

Evaluation of an embedded polar C₄ phase for hydrophobic protein analysis by reversed-phase liquid chromatography 1043(2004)27

Detection of aggregate formation during production of human immunoglobulin G by means of light scattering 1043(2004)41

Evaluation of on-line high-performance size-exclusion chromatography, differential refractometry, and multi-angle laser light scattering analysis for the monitoring of the oligomeric state of human immunodeficiency virus vaccine protein antigen 1043(2004)57

Profiling of rat plasma by surface-enhanced laser desorption/ionization time-of-flight mass spectrometry, a novel tool for biomarker discovery in nutrition research 1043(2004)65

Principle and applications of the protein-purification-parameter screening system 1043(2004)73

Simultaneous operation of plural separation modes in capillary electrophoresis with a chemiluminescence detector possessing a micro-space area for reaction/detection 1043(2004)333

Proteomics

Development of a monolithic silica extraction tip for the analysis of proteins 1043(2004)19

Selective enrichment of monospecific polyclonal antibodies for antibody-based proteomics efforts 1043(2004)33

Pteris vittata

Arsenic complexes in the arsenic hyperaccumulator *Pteris vittata* (Chinese brake fern) 1043(2004)249

Quadrupole ion trap

Multiple-stage mass spectrometric analysis of six pesticides in oranges by liquid chromatography–atmospheric pressure chemical ionization–ion trap mass spectrometry 1043(2004)231

Rate constants

Kinetic study on the epimerization of trityloxymethyl butyrolactol by liquid chromatography 1043(2004)171

Retinol

Profiling of rat plasma by surface-enhanced laser desorption/ionization time-of-flight mass spectrometry, a novel tool for biomarker discovery in nutrition research 1043(2004)65

R-factor

Evaluation of on-line high-performance size-exclusion chromatography, differential refractometry, and multi-angle laser light scattering analysis for the monitoring of the oligomeric state of human immunodeficiency virus vaccine protein antigen 1043(2004)57

Rhizoma Dioscoreae

Simultaneous determination of allantoin, choline and L-arginine in Rhizoma Dioscoreae by capillary electrophoresis 1043(2004)317

Ribonucleases

Effect of surface hydrophobicity distribution on retention of ribonucleases in hydrophobic interaction chromatography 1043(2004)47

Saccharides

Analysis of mono- and disaccharides in milk-based formulae by high-performance liquid chromatography with refractive index detection 1043(2004)211

Selectivity

Impact of organic solvents on the resolution of synthetic peptides by capillary electrophoresis 1043(2004)81

Selectivity differences in the separation of amphipathic α -helical peptides during reversed-phase liquid chromatography at pHs 2.0 and 7.0. Effects of different packings, mobile phase conditions and temperature 1043(2004)99

Shape selectivity

Investigations on the chromatographic behavior of hybrid reversed-phase materials containing electron donor–acceptor systems. I. Contribution of sulfur–aromatic interactions 1043(2004)177

Simulated moving bed

Two-fraction and three-fraction continuous simulated moving bed separation of nucleosides 1043(2004)201

Solid-phase extraction

Development of a monolithic silica extraction tip for the analysis of proteins 1043(2004)19

Stationary phases, GC

Preparation and evaluation of nickelmesogen for micropacked gas chromatography 1043(2004)255

Stationary phases, LC

Evaluation of an embedded polar C₄ phase for hydrophobic protein analysis by reversed-phase liquid chromatography 1043(2004)27

Investigations on the chromatographic behavior of hybrid reversed-phase materials containing electron donor–acceptor systems. I. Contribution of sulfur–aromatic interactions 1043(2004)177

Stochastic–dispersive model

Equivalence of the microscopic and macroscopic models of chromatography: stochastic–dispersive versus lumped kinetic model 1043(2004)149

Sulfur–aromatic interactions

Investigations on the chromatographic behavior of hybrid reversed-phase materials containing electron donor–acceptor systems. I. Contribution of sulfur–aromatic interactions 1043(2004)177

Supercritical fluid chromatography

Determination of alcohol polyether average molar oligomer value/distribution via supercritical fluid chromatography coupled with UV and MS detection 1043(2004)285

Surface hydrophobicity distribution

Effect of surface hydrophobicity distribution on retention of ribonucleases in hydrophobic interaction chromatography 1043(2004)47

Surface-enhanced laser desorption ionization mass spectrometry

Profiling of rat plasma by surface-enhanced laser desorption/ionization time-of-flight mass spectrometry, a novel tool for biomarker discovery in nutrition research 1043(2004)65

Surfactants

Determination of alcohol polyether average molar oligomer value/distribution via supercritical fluid chromatography coupled with UV and MS detection 1043(2004)285

Syringin

Preparative isolation and purification of syringin and edgeworoside C from *Edgeworthia chrysantha Lindl* by high-speed counter-current chromatography 1043(2004)329

Temperature effects

Selectivity differences in the separation of amphipathic α -helical peptides during reversed-phase liquid chromatography at pHs 2.0 and 7.0. Effects of different packings, mobile phase conditions and temperature 1043(2004)99

Thermodynamic parameters

Effect of surface hydrophobicity distribution on retention of ribonucleases in hydrophobic interaction chromatography 1043(2004)47

Tomatoes

Simultaneous determination of maneb and its main metabolites in tomatoes by liquid chromatography using diode array ultraviolet absorbance detection 1043(2004)225

Trifluoroacetic acid

Optimum concentration of trifluoroacetic acid for reversed-phase liquid chromatography of peptides revisited 1043(2004)9

Validation

Development and validation of a capillary electrophoresis method with ultraviolet detection for the determination of the related substances in a pharmaceutical compound 1043(2004)303

Vitamins

Profiling of rat plasma by surface-enhanced laser desorption/ionization time-of-flight mass spectrometry, a novel tool for biomarker discovery in nutrition research 1043(2004)65

Voltage gradients

Analysis of synthetic peptides by capillary electrophoresis. Effect of organic solvent modifiers and variable electrical potentials on separation efficiencies 1043(2004)91

Warfare agents

Determination of pentafluorobenzyl derivatives of phosphonic and phosphonothioic acids by gas chromatography–mass spectrometry 1043(2004)275