

Subject index of volume 1089

Adsorption

The application of macroporous resins in the separation of licorice flavonoids and glycyrrhizic acid 1089(2005)18

Algorithm

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Amperometric detection

Fabrication of poly(dimethylsiloxane) microfluidic system based on masters directly printed with an office laser printer 1089(2005)270

Analytical method

Determination of malachite green and leucomalachite green in carp muscle by liquid chromatography with visible and fluorescence detection 1089(2005)187

Aromatic amines

Fast separation and sensitive detection of carcinogenic aromatic amines by reversed-phase μ -liquid chromatography coupled with electrochemical detection 1089(2005)52

Benzophenones

Analyses of benzophenones by capillary electrochromatography using methacrylate ester-based monolithic columns 1089(2005)250

Biological samples

Pressurized liquid extraction in the analysis of food and biological samples (Review) 1089(2005)1

Calibration curve

Calibration of detector responses using the shape and size of band profiles. Case of a nonlinear response curve 1089(2005)101

Carp

Determination of malachite green and leucomalachite green in carp muscle by liquid chromatography with visible and fluorescence detection 1089(2005)187

CEC

Analyses of benzophenones by capillary electrochromatography using methacrylate ester-based monolithic columns 1089(2005)250

Chlorinated benzenes

Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples 1089(2005)25

Chloroanisoles

Multiple solid-phase microextraction in a non-equilibrium situation. Application in quantitative analysis of chlorophenols and chloroanisoles related to cork taint in wine 1089(2005)31

Chlorophenols

Multiple solid-phase microextraction in a non-equilibrium situation. Application in quantitative analysis of chlorophenols and chloroanisoles related to cork taint in wine 1089(2005)31

Colchicine

Development and optimization of a stability indicating method on a monolithic reversed-phase column for Colchicum dry extract 1089(2005)148

Colchicine

Development and optimization of a stability indicating method on a monolithic reversed-phase column for Colchicum dry extract 1089(2005)148

Colchicum autumnale

Development and optimization of a stability indicating method on a monolithic reversed-phase column for Colchicum dry extract 1089(2005)148

Comprehensive analysis

Novel gas chromatography–mass spectrometry database for automatic identification and quantification of micropollutants 1089(2005)219

Computer simulation

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Consecutive determinations

Anion chromatography using on-line recycled eluents 1089(2005)82

Contaminants

Pressurized liquid extraction in the analysis of food and biological samples (Review) 1089(2005)1

Cork taint

Multiple solid-phase microextraction in a non-equilibrium situation. Application in quantitative analysis of chlorophenols and chloroanisoles related to cork taint in wine 1089(2005)31

Highly selective solid-phase extraction and large volume injection for the robust gas chromatography–mass spectrometric analysis of TCA and TBA in wines 1089(2005)235

Counter-current chromatography

Preparative isolation and purification of two phenylbutenoids from the rhizomes of *Zingiber Cassumunar* by upright counter-current chromatography 1089(2005)258

Decision tree

Geographical traceability of West Liguria extravirgin olive oils by the analysis of volatile terpenoid hydrocarbons 1089(2005)243

Desorption

The application of macroporous resins in the separation of licorice flavonoids and glycyrrhizic acid 1089(2005)18

DGL

The application of macroporous resins in the separation of licorice flavonoids and glycyrrhizic acid 1089(2005)18

Dielectric heating

Effect of microwave dielectric heating on intraparticle diffusion in reversed-phase liquid chromatography 1089(2005)125

2-(Diisopropyl)aminoethanethiol

Analysis of VX nerve agent hydrolysis products in wastewater effluents by ion chromatography with amperometric and conductivity detection 1089(2005)65

Dimethyldioxirane

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

Dioxiranes

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

Disinfection byproducts

Continuous, on-line monitoring of haloacetic acids via membrane extraction 1089(2005)39

Double-shot pyrolyzer

Determination of optimum conditions for the analysis of volatile components in pine needles by double-shot pyrolysis–gas chromatography–mass spectrometry 1089(2005)227

Dwell volume

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Electrical double layer theory

Assessment of supporting electrolyte contributions in electrochemically modulated liquid chromatography 1089(2005)72

Electrochemical detection

Fast separation and sensitive detection of carcinogenic aromatic amines by reversed-phase μ -liquid chromatography coupled with electrochemical detection 1089(2005)52

Electrochemically modulated liquid chromatography

Assessment of supporting electrolyte contributions in electrochemically modulated liquid chromatography 1089(2005)72

Ethylmethylphosphonic acid

Analysis of VX nerve agent hydrolysis products in wastewater effluents by ion chromatography with amperometric and conductivity detection 1089(2005)65

Extravirgin olive oils

Geographical traceability of West Liguria extravirgin olive oils by the analysis of volatile terpenoid hydrocarbons 1089(2005)243

Field programming

Field programming in frit inlet asymmetrical flow field-flow fractionation/multiangle light scattering: Application to sodium hyaluronate 1089(2005)203

Flavonoid glycoside

Liquid chromatography–diode array detection–electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of *Genista tenera*. Structure elucidation of a flavonoid-C-glycoside 1089(2005)59

Flavonoids

The application of macroporous resins in the separation of licorice flavonoids and glycyrrhizic acid 1089(2005)18

Food samples

Pressurized liquid extraction in the analysis of food and biological samples (Review) 1089(2005)1

Frit inlet asymmetrical flow field-flow fractionation

Field programming in frit inlet asymmetrical flow field-flow fractionation/multiangle light scattering: Application to sodium hyaluronate 1089(2005)203

GC/MS/MS

Multiple solid-phase microextraction in a non-equilibrium situation. Application in quantitative analysis of chlorophenols and chloroanisoles related to cork taint in wine 1089(2005)31

Genista tenera

Liquid chromatography–diode array detection–electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of *Genista tenera*. Structure elucidation of a flavonoid-C-glycoside 1089(2005)59

Geographical traceability

Geographical traceability of West Liguria extravirgin olive oils by the analysis of volatile terpenoid hydrocarbons 1089(2005)243

Glycolic acid

A new method of ion chromatography technology for speedy determination and analysis in organic electrosynthesis of glyoxylic acid 1089(2005)142

Glycyrrhizic acid

The application of macroporous resins in the separation of licorice flavonoids and glycyrrhizic acid 1089(2005)18

Glyoxal

A new method of ion chromatography technology for speedy determination and analysis in organic electrosynthesis of glyoxylic acid 1089(2005)142

Glyoxylic acid

A new method of ion chromatography technology for speedy determination and analysis in organic electrosynthesis of glyoxylic acid 1089(2005)142

Gradient elution

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Haloacetic acids

Continuous, on-line monitoring of haloacetic acids via membrane extraction 1089(2005)39

Hazardous chemicals

Novel gas chromatography–mass spectrometry database for automatic identification and quantification of micropollutants 1089(2005)219

Headspace sampling

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

Headspace SDME

Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples 1089(2005)25

HPLC

Calibration of detector responses using the shape and size of band profiles. Case of a nonlinear response curve 1089(2005)101

Calibration of a detector for nonlinear responses 1089(2005)105

Optimization of the preparative separation of a chiral pharmaceutical intermediate by high performance liquid chromatography 1089(2005)135

Hydrolysis products

Analysis of VX nerve agent hydrolysis products in wastewater effluents by ion chromatography with amperometric and conductivity detection 1089(2005)65

In situ

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

Inorganic anion

Anion chromatography using on-line recycled eluents 1089(2005)82

Instrumentation

Fabrication of poly(dimethylsiloxane) microfluidic system based on masters directly printed with an office laser printer 1089(2005)270

Integrated approach

Integration of ion-exchange chromatography fractionation with reversed-phase liquid chromatography-atmospheric pressure chemical ionization mass spectrometer and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for isolation and identification of compounds in *Psoralea corylifolia* 1089(2005)87

Intraparticle diffusion

Effect of microwave dielectric heating on intraparticle diffusion in reversed-phase liquid chromatography 1089(2005)125

Ion chromatography

Analysis of VX nerve agent hydrolysis products in wastewater effluents by ion chromatography with amperometric and conductivity detection 1089(2005)65

A new method of ion chromatography technology for speedy determination and analysis in organic electrosynthesis of glyoxylic acid 1089(2005)142

Ion exchange chromatography

Assessment of supporting electrolyte contributions in electrochemically modulated liquid chromatography 1089(2005)72

Ion exchanger

Anion chromatography using on-line recycled eluents 1089(2005)82

Ion-exchange chromatography fractionation

Integration of ion-exchange chromatography fractionation with reversed-phase liquid chromatography-atmospheric pressure chemical ionization mass spectrometer and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for isolation and identification of compounds in *Psoralea corylifolia* 1089(2005)87

Large volume injection

Highly selective solid-phase extraction and large volume injection for the robust gas chromatography-mass spectrometric analysis of TCA and TBA in wines 1089(2005)235

LC-APCI/MS

Integration of ion-exchange chromatography fractionation with reversed-phase liquid chromatography-atmospheric pressure chemical ionization mass spectrometer and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for isolation and identification of compounds in *Psoralea corylifolia* 1089(2005)87

LC-DAD-ESI-MS

Liquid chromatography-diode array detection-electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of *Genista tenera*. Structure elucidation of a flavonoid-C-glycoside 1089(2005)59

LC-MS

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Leucomalachite green

Determination of malachite green and leucomalachite green in carp muscle by liquid chromatography with visible and fluorescence detection 1089(2005)187

Licorice

The application of macroporous resins in the separation of licorice flavonoids and glycyrrhizic acid 1089(2005)18

Liquid chromatography

Alternative high-performance liquid chromatographic peptide separation and purification concept using a new mixed-mode reversed-phase/weak anion-exchange type stationary phase 1089(2005)158

 μ -Liquid chromatography

Fast separation and sensitive detection of carcinogenic aromatic amines by reversed-phase μ -liquid chromatography coupled with electrochemical detection 1089(2005)52

Loading factor

Optimization of the preparative separation of a chiral pharmaceutical intermediate by high performance liquid chromatography 1089(2005)135

Lysozyme

Design of self-interaction chromatography as an analytical tool for predicting protein phase behavior 1089(2005)111

Macroporous resins

The application of macroporous resins in the separation of licorice flavonoids and glycyrrhizic acid 1089(2005)18

Malachite green

Determination of malachite green and leucomalachite green in carp muscle by liquid chromatography with visible and fluorescence detection 1089(2005)187

MALDI-TOF/MS

Integration of ion-exchange chromatography fractionation with reversed-phase liquid chromatography-atmospheric pressure chemical ionization mass spectrometer and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for isolation and identification of compounds in *Psoralea corylifolia* 1089(2005)87

Mass spectrum

Novel gas chromatography-mass spectrometry database for automatic identification and quantification of micropollutants 1089(2005)219

Master

Fabrication of poly(dimethylsiloxane) microfluidic system based on masters directly printed with an office laser printer 1089(2005)270

Matrix components

Pressurized liquid extraction in the analysis of food and biological samples (Review) 1089(2005)1

Membrane extraction

Continuous, on-line monitoring of haloacetic acids via membrane extraction 1089(2005)39

Methacrylate ester-based monolithic columns

Analyses of benzophenones by capillary electrochromatography using methacrylate ester-based monolithic columns 1089(2005)250

Methyl acetate

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

Methylphosphonic acid

Analysis of VX nerve agent hydrolysis products in wastewater effluents by ion chromatography with amperometric and conductivity detection 1089(2005)65

Microchannel

Fabrication of poly(dimethylsiloxane) microfluidic system based on masters directly printed with an office laser printer 1089(2005)270

Microwave irradiation

Effect of microwave dielectric heating on intraparticle diffusion in reversed-phase liquid chromatography 1089(2005)125

Microwave-assisted extraction

Analysis of nonylphenol and nonylphenol ethoxylates in sewage sludge by high performance liquid chromatography following microwave-assisted extraction 1089(2005)45

Mixed-mode chromatography

Alternative high-performance liquid chromatographic peptide separation and purification concept using a new mixed-mode reversed-phase/weak anion-exchange type stationary phase 1089(2005)158

Mobile phase composition

Effect of microwave dielectric heating on intraparticle diffusion in reversed-phase liquid chromatography 1089(2005)125

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Mobile-phase composition

Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns 1089(2005)170

Modelling

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Molecular weight determination

Field programming in frit inlet asymmetrical flow field-flow fractionation/multiangle light scattering: Application to sodium hyaluronate 1089(2005)203

Monolithic columns

Development and optimization of a stability indicating method on a monolithic reversed-phase column for Colchicum dry extract 1089(2005)148

Multiangle light scattering

Field programming in frit inlet asymmetrical flow field-flow fractionation/multiangle light scattering: Application to sodium hyaluronate 1089(2005)203

Multiple solid-phase microextraction

Multiple solid-phase microextraction in a non-equilibrium situation. Application in quantitative analysis of chlorophenols and chloroanisoles related to cork taint in wine 1089(2005)31

Multivariate analysis

Geographical traceability of West Liguria extravirgin olive oils by the analysis of volatile terpenoid hydrocarbons 1089(2005)243

N-(10-Undecenyl)-3-aminoquinuclidine

Alternative high-performance liquid chromatographic peptide separation and purification concept using a new mixed-mode reversed-phase/weak anion-exchange type stationary phase 1089(2005)158

NMR

Liquid chromatography–diode array detection–electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of *Genista tenera*. Structure elucidation of a flavonoid-C-glycoside 1089(2005)59

Nonlinear calibration curve

Calibration of a detector for nonlinear responses 1089(2005)105

Non-suppressed anion chromatography

Anion chromatography using on-line recycled eluents 1089(2005)82

Nonylphenol ethoxylates

Analysis of nonylphenol and nonylphenol ethoxylates in sewage sludge by high performance liquid chromatography following microwave-assisted extraction 1089(2005)45

4-Nonylphenol

Analysis of nonylphenol and nonylphenol ethoxylates in sewage sludge by high performance liquid chromatography following microwave-assisted extraction 1089(2005)45

Optimisation

Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns 1089(2005)170

Optimization

Optimization of the preparative separation of a chiral pharmaceutical intermediate by high performance liquid chromatography 1089(2005)135

Oxalic acid

A new method of ion chromatography technology for speedy determination and analysis in organic electro-synthesis of glyoxylic acid 1089(2005)142

Oxidant

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

PDMS

Fabrication of poly(dimethylsiloxane) microfluidic system based on masters directly printed with an office laser printer 1089(2005)270

Peak purity

Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns 1089(2005)170

pH

Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns 1089(2005)170

Phenylbutenoids

Preparative isolation and purification of two phenylbutenoids from the rhizomes of *Zingiber Cassumunar* by upright counter-current chromatography 1089(2005)258

Pine needle

Determination of optimum conditions for the analysis of volatile components in pine needles by double-shot pyrolysis–gas chromatography–mass spectrometry 1089(2005)227

Plant materials

Preparative isolation and purification of two phenylbutenoids from the rhizomes of *Zingiber Cassumunar* by upright counter-current chromatography 1089(2005)258

PL-aquagel-OH columns

Development of direct size-exclusion chromatography separation for the determination of molar mass of native procyanidins in the phenolate form 1089(2005)263

Polarity measurement

Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns 1089(2005)170

Porous graphite carbon

Assessment of supporting electrolyte contributions in electrochemically modulated liquid chromatography 1089(2005)72

Predictive crystallization

Design of self-interaction chromatography as an analytical tool for predicting protein phase behavior 1089(2005)111

Preparative chromatography

Optimization of the preparative separation of a chiral pharmaceutical intermediate by high performance liquid chromatography 1089(2005)135

Pressurized liquid extraction

Pressurized liquid extraction in the analysis of food and biological samples (Review) 1089(2005)1

Procyanidins

Development of direct size-exclusion chromatography separation for the determination of molar mass of native procyanidins in the phenolate form 1089(2005)263

Production rate

Optimization of the preparative separation of a chiral pharmaceutical intermediate by high performance liquid chromatography 1089(2005)135

Protein phase behavior

Design of self-interaction chromatography as an analytical tool for predicting protein phase behavior 1089(2005)111

Psoralea corylifolia

Integration of ion-exchange chromatography fractionation with reversed-phase liquid chromatography-atmospheric pressure chemical ionization mass spectrometer and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for isolation and identification of compounds in *Psoralea corylifolia* 1089(2005)87

Quantitation

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

Recycled eluent

Anion chromatography using on-line recycled eluents 1089(2005)82

Reproducibility

Calibration of a detector for nonlinear responses 1089(2005)105

Residues

Determination of malachite green and leucomalachite green in carp muscle by liquid chromatography with visible and fluorescence detection 1089(2005)187

Retention modelling

Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns 1089(2005)170

Retention time

New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography 1089(2005)193

Novel gas chromatography–mass spectrometry database for automatic identification and quantification of micropollutants 1089(2005)219

Reversed-phase/weak anion-exchange material

Alternative high-performance liquid chromatographic peptide separation and purification concept using a new mixed-mode reversed-phase/weak anion-exchange type stationary phase 1089(2005)158

Review

Pressurized liquid extraction in the analysis of food and biological samples (Review) 1089(2005)1

Scale-up

Optimization of the preparative separation of a chiral pharmaceutical intermediate by high performance liquid chromatography 1089(2005)135

Selected ion monitoring (SIM)

Determination of in situ-generated dimethyldioxirane from an aqueous matrix using selected ion monitoring 1089(2005)211

Self-interaction chromatography

Design of self-interaction chromatography as an analytical tool for predicting protein phase behavior 1089(2005)111

Separation factor

Optimization of the preparative separation of a chiral pharmaceutical intermediate by high performance liquid chromatography 1089(2005)135

Sewage sludge

Analysis of nonylphenol and nonylphenol ethoxylates in sewage sludge by high performance liquid chromatography following microwave-assisted extraction 1089(2005)45

Simultaneous analysis

Novel gas chromatography–mass spectrometry database for automatic identification and quantification of micropollutants 1089(2005)219

Size-exclusion chromatography

Development of direct size-exclusion chromatography separation for the determination of molar mass of native procyanidins in the phenolate form 1089(2005)263

Sodium hyaluronate

Field programming in frit inlet asymmetrical flow field-flow fractionation/multiangle light scattering: Application to sodium hyaluronate 1089(2005)203

Solid-phase extraction

Highly selective solid-phase extraction and large volume injection for the robust gas chromatography–mass spectrometric analysis of TCA and TBA in wines 1089(2005)235

Solvent microextraction

Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples 1089(2005)25

Stationary phase

Alternative high-performance liquid chromatographic peptide separation and purification concept using a new mixed-mode reversed-phase/weak anion-exchange type stationary phase 1089(2005)158

Supported liquid membrane extraction

Continuous, on-line monitoring of haloacetic acids via membrane extraction 1089(2005)39

Synthetic peptide separation

Alternative high-performance liquid chromatographic peptide separation and purification concept using a new mixed-mode reversed-phase/weak anion-exchange type stationary phase 1089(2005)158

Systematic screening

Design of self-interaction chromatography as an analytical tool for predicting protein phase behavior 1089(2005)111

Thermal desorption

Determination of optimum conditions for the analysis of volatile components in pine needles by double-shot pyrolysis–gas chromatography–mass spectrometry 1089(2005)227

2,4,6-Tribromoanisole

Highly selective solid-phase extraction and large volume injection for the robust gas chromatography–mass spectrometric analysis of TCA and TBA in wines 1089(2005)235

2,4,6-Trichloroanisole

Highly selective solid-phase extraction and large volume injection for the robust gas chromatography–mass spectrometric analysis of TCA and TBA in wines 1089(2005)235

5,7,4'-Trihydroxyisoflavone-8-C-glucoside

Liquid chromatography–diode array detection–electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of *Genista tenera*. Structure elucidation of a flavonoid-C-glycoside 1089(2005)59

UV detection

Fast separation and sensitive detection of carcinogenic aromatic amines by reversed-phase μ -liquid chromatography coupled with electrochemical detection 1089(2005)52

UV-detector

Calibration of detector responses using the shape and size of band profiles. Case of a nonlinear response curve 1089(2005)101

Calibration of a detector for nonlinear responses 1089(2005)105

Volatile components

Determination of optimum conditions for the analysis of volatile components in pine needles by double-shot pyrolysis–gas chromatography–mass spectrometry 1089(2005)227

Volatile terpenoid hydrocarbons

Geographical traceability of West Liguria extravirgin olive oils by the analysis of volatile terpenoid hydrocarbons 1089(2005)243

Warfare agents

Analysis of VX nerve agent hydrolysis products in wastewater effluents by ion chromatography with amperometric and conductivity detection 1089(2005)65

Wastewater

Analysis of VX nerve agent hydrolysis products in wastewater effluents by ion chromatography with amperometric and conductivity detection 1089(2005)65

Water analysis

Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples 1089(2005)25

Water monitoring

Continuous, on-line monitoring of haloacetic acids via membrane extraction 1089(2005)39

West-Liguria

Geographical traceability of West Liguria extravirgin olive oils by the analysis of volatile terpenoid hydrocarbons 1089(2005)243

Wine

Multiple solid-phase microextraction in a non-equilibrium situation. Application in quantitative analysis of chlorophenols and chloroanisoles related to cork taint in wine 1089(2005)31

Highly selective solid-phase extraction and large volume injection for the robust gas chromatography–mass spectrometric analysis of TCA and TBA in wines 1089(2005)235

Zingiber Cassumunar

Preparative isolation and purification of two phenylbutenoids from the rhizomes of *Zingiber Cassumunar* by upright counter-current chromatography 1089(2005)258