

Journal of Chromatography A, 959 (2002) 335-341

JOURNAL OF CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

Subject Index Vol. 959

Absorption mechanism

Stochastic simulation of the partition mechanism with a heterogeneous surface phase 959(2002)49

Acid-base equilibrium

Modeling of retention behavior in capillary electrochromatography from chromatographic and electrophoretic data 959(2002)241

Adsorption transition

Molecular modelling of chain end effects in separating oligomers by reversed-phase gradient polymer elution chromatography; adsorption transition as revealed by a selfconsistent-field theory for polymer adsorption 959(2002)37

Alkylphenolic compounds

Pressurized liquid extraction followed by liquid chromatography-mass spectrometry for the determination of alkylphenolic compounds in river sediment 959(2002)15

Alkyl phenyl ketones

Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. III. Performance in organic-modified buffers 959(2002)255

Amines

Liquid chromatographic resolution of racemic amines, amino alcohols and related compounds on a chiral crown ether stationary phase 959(2002)75

Amino acids

Method of intracellular naphthalene-2,3-dicarboxaldehyde derivatization for analysis of amino acids in a single erythrocyte by capillary zone electrophoresis with electrochemical detection 959(2002)269

Amino alcohols

Liquid chromatographic resolution of racemic amines, amino alcohols and related compounds on a chiral crown ether stationary phase 959(2002)75

Aminomethylphosphonic acid

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

Aminopyridines

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Ampholytes

Capillary electrophoretic separations of proteins using carrier ampholytes 959(2002)289

Antibiotics

Residue analysis of macrolides in poultry muscle by liquid chromatography–electrospray mass spectrometry 959(2002)131

Antifouling biocide

Aquatic phototransformation study of the antifouling agent Sea-Nine 211: identification of byproducts and the reaction pathway by gas chromatography-mass spectroscopy 959(2002)215

Band broadening

Band broadening caused by the multiple labeling of proteins in micellar electrokinetic chromatography with diode laser-induced fluorescence detection 959(2002)281

Buffer composition

Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. III. Performance in organic-modified buffers 959(2002)255

Capillary electrophoresis

Band broadening caused by the multiple labeling of proteins in micellar electrokinetic chromatography with diode laser-induced fluorescence detection 959(2002)281

Cells

Method of intracellular naphthalene-2,3-dicarboxaldehyde derivatization for analysis of amino acids in a single erythrocyte by capillary zone electrophoresis with electrochemical detection 959(2002)269

Chain end effects

Molecular modelling of chain end effects in separating oligomers by reversed-phase gradient polymer elution chromatography; adsorption transition as revealed by a selfconsistent-field theory for polymer adsorption 959(2002)37

0021-9673/02/\$ – see front matter © 2002 Elsevier Science B.V. All right reserved PII: S0021-9673(02)00623-4

Chemiluminescence detection

Ultrasensitive chemiluminescence detection in capillary electrophoresis (Review) 959(2002)1

Chiral stationary phases, LC

Liquid chromatographic resolution of racemic amines, amino alcohols and related compounds on a chiral crown ether stationary phase 959(2002)75

Chlorophenoxy acids

Coupling continuous subcritical water extraction, filtration, preconcentration, chromatographic separation and UV detection for the determination of chlorophenoxy acid herbicides in soils 959(2002)25

Coffee, roasted

Optimization of solid-phase clean-up prior to liquid chromatographic analysis of ochratoxin A in roasted coffee 959(2002)327

Color additives

Determining eight colorants in milk beverages by capillary electrophoresis 959(2002)317

Column efficiency

Band broadening caused by the multiple labeling of proteins in micellar electrokinetic chromatography with diode laser-induced fluorescence detection 959(2002)281

Column switching

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Crown ethers

Liquid chromatographic resolution of racemic amines, amino alcohols and related compounds on a chiral crown ether stationary phase 959(2002)75

Cyanobacterial toxins

Analysis of cyanobacterial hepatotoxins in water samples by microbore reversed-phase liquid chromatography–electrospray ionisation mass spectrometry 959(2002)103

Cyclodextrins

Comparison of capillary electrophoresis and reversed-phase liquid chromatography for determination of the enantiomeric purity of an M3 antagonist 959(2002)299

Derivatization

Band broadening caused by the multiple labeling of proteins in micellar electrokinetic chromatography with diode laser-induced fluorescence detection 959(2002)281

Derivatization, electrophoresis

Method of intracellular naphthalene-2,3-dicarboxaldehyde derivatization for analysis of amino acids in a single erythrocyte by capillary zone electrophoresis with electrochemical detection 959(2002)269

Detection, electrophoresis

Ultrasensitive chemiluminescence detection in capillary electrophoresis (Review) 959(2002)1

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

Diastereomer separation

Separation of diastereoisomers of podophyllum lignans by micellar electrokinetic chromatography 959(2002)263

Diffusivity

Surface and pore diffusion in macroporous and gel-filled gigaporous stationary phases for protein chromatography 959(2002)65

Dispersion

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Displacement chromatography

Displacement chromatography of isomers and therapeutic compounds 959(2002)85

DNA

Micropreparative fractionation of DNA fragments on metathesisbased monoliths: influence of stoichiometry on separation 959(2002)121

Doxorubicin

Displacement chromatography of isomers and therapeutic compounds 959(2002)85

Electrochromatography

Modeling of retention behavior in capillary electrochromatography from chromatographic and electrophoretic data 959(2002)241

Electrokinetic chromatography

Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. III. Performance in organic-modified buffers 959(2002)255

Enantiomer separation

Liquid chromatographic resolution of racemic amines, amino alcohols and related compounds on a chiral crown ether stationary phase 959(2002)75

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Comparison of capillary electrophoresis and reversed-phase liquid chromatography for determination of the enantiomeric purity of an M3 antagonist 959(2002)299

Endocrine disrupters

Pressurized liquid extraction followed by liquid chromatography-mass spectrometry for the determination of alkylphenolic compounds in river sediment 959(2002)15

Environmental analysis

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Analysis of phenoxyalkanoic acid herbicides and their phenolic conversion products in soil by microwave assisted solvent extraction and subsequent analysis of extracts by on-line solidphase extraction–liquid chromatography 959(2002)153

Multicomponent analysis of volatile organic compounds in water by automated purge and trap coupled to gas chromatography-mass spectrometry 959(2002)181

Epirubicin

Displacement chromatography of isomers and therapeutic compounds 959(2002)85

Epoxiconazole

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Erythrocytes

Method of intracellular naphthalene-2,3-dicarboxaldehyde derivatization for analysis of amino acids in a single erythrocyte by capillary zone electrophoresis with electrochemical detection 959(2002)269

Extraction methods

Coupling continuous subcritical water extraction, filtration, preconcentration, chromatographic separation and UV detection for the determination of chlorophenoxy acid herbicides in soils 959(2002)25

Analysis of phenoxyalkanoic acid herbicides and their phenolic conversion products in soil by microwave assisted solvent extraction and subsequent analysis of extracts by on-line solidphase extraction–liquid chromatography 959(2002)153

Fatty acid methyl esters

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Fatty acids

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Food analysis

Residue analysis of macrolides in poultry muscle by liquid chromatography–electrospray mass spectrometry 959(2002)131 Application of gas chromatography-tandem mass spectrometry to the analysis of pesticides in fruits and vegetables 959(2002)203

Determining eight colorants in milk beverages by capillary electrophoresis 959(2002)317

Optimization of solid-phase clean-up prior to liquid chromatographic analysis of ochratoxin A in roasted coffee 959(2002)327

Fruits

Application of gas chromatography-tandem mass spectrometry to the analysis of pesticides in fruits and vegetables 959(2002)203

Glufosinate

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

Glycosaminoglycams

Conductivity detection for molecular mass estimation of per-Osulfonated glycosaminoglycans separated by high-performance size-exclusion chromatography 959(2002)95

Glyphosate

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

Gradient elution

Molecular modelling of chain end effects in separating oligomers by reversed-phase gradient polymer elution chromatography; adsorption transition as revealed by a selfconsistent-field theory for polymer adsorption 959(2002)37

Dual gradient ion-exchange chromatography improved refolding yield of lysozyme 959(2002)113

Haarhoff-Van der Linde function

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Hepatotoxins

Analysis of cyanobacterial hepatotoxins in water samples by microbore reversed-phase liquid chromatography–electrospray ionisation mass spectrometry 959(2002)103

α-Hydroxycarboxylic acids

Comparative evaluation of three α -hydroxycarboxylic acids for the separation of lanthanides by dynamically modified reversedphase high-performance liquid chromatography 959(2002)163

Hydrolysis

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

338

Indirect detection

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

Isoelectric focusing

Capillary electrophoretic separations of proteins using carrier ampholytes 959(2002)289

Isotachophoresis

Capillary electrophoretic separations of proteins using carrier ampholytes 959(2002)289

Lanthanides

Comparative evaluation of three α -hydroxycarboxylic acids for the separation of lanthanides by dynamically modified reversedphase high-performance liquid chromatography 959(2002)163

Lignans

Separation of diastereoisomers of podophyllum lignans by micellar electrokinetic chromatography 959(2002)263

Luminol

Ultrasensitive chemiluminescence detection in capillary electrophoresis (Review) 959(2002)1

Lysozyme

Dual gradient ion-exchange chromatography improved refolding yield of lysozyme 959(2002)113

Macrolides

Residue analysis of macrolides in poultry muscle by liquid chromatography–electrospray mass spectrometry 959(2002)131

Mass spectrometry

Residue analysis of macrolides in poultry muscle by liquid chromatography-electrospray mass spectrometry 959(2002)131

Metal cations

Ultrasensitive chemiluminescence detection in capillary electrophoresis (Review) 959(2002)1

Method development

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Methylation

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Microwave-assisted solvent extraction

Analysis of phenoxyalkanoic acid herbicides and their phenolic conversion products in soil by microwave assisted solvent extraction and subsequent analysis of extracts by on-line solidphase extraction–liquid chromatography 959(2002)153

Microcystins

Analysis of cyanobacterial hepatotoxins in water samples by microbore reversed-phase liquid chromatography–electrospray ionisation mass spectrometry 959(2002)103

Milk

Determining eight colorants in milk beverages by capillary electrophoresis 959(2002)317

Molecular modelling

Molecular modelling of chain end effects in separating oligomers by reversed-phase gradient polymer elution chromatography; adsorption transition as revealed by a selfconsistent-field theory for polymer adsorption 959(2002)37

Monolithic stationary phases

Micropreparative fractionation of DNA fragments on metathesisbased monoliths: influence of stoichiometry on separation 959(2002)121

Monte Carlo simulation

Stochastic simulation of the partition mechanism with a heterogeneous surface phase 959(2002)49

Multiresidue analysis

Residue analysis of macrolides in poultry muscle by liquid chromatography–electrospray mass spectrometry 959(2002)131

Mycotoxins

Optimization of solid-phase clean-up prior to liquid chromatographic analysis of ochratoxin A in roasted coffee 959(2002)327

Naphthalene-2,3-dicarboxaldehyde

Method of intracellular naphthalene-2,3-dicarboxaldehyde derivatization for analysis of amino acids in a single erythrocyte by capillary zone electrophoresis with electrochemical detection 959(2002)269

Nodularins

Analysis of cyanobacterial hepatotoxins in water samples by microbore reversed-phase liquid chromatography–electrospray ionisation mass spectrometry 959(2002)103

Ochratoxin A

Optimization of solid-phase clean-up prior to liquid chromatographic analysis of ochratoxin A in roasted coffee 959(2002)327

Oligomers

Molecular modelling of chain end effects in separating oligomers by reversed-phase gradient polymer elution chromatography; adsorption transition as revealed by a selfconsistent-field theory for polymer adsorption 959(2002)37

Oligonucleotides

Micropreparative fractionation of DNA fragments on metathesisbased monoliths: influence of stoichiometry on separation 959(2002)121

Oligosaccharides

Conductivity detection for molecular mass estimation of per-*O*sulfonated glycosaminoglycans separated by high-performance size-exclusion chromatography 959(2002)95

Organophosphorus compounds

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

Paraquat

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Partition mechanism

Stochastic simulation of the partition mechanism with a heterogeneous surface phase 959(2002)49

Peak shape

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Peroxyoxalate

Ultrasensitive chemiluminescence detection in capillary electrophoresis (Review) 959(2002)1

Pesticides

Coupling continuous subcritical water extraction, filtration, preconcentration, chromatographic separation and UV detection for the determination of chlorophenoxy acid herbicides in soils 959(2002)25

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Analysis of phenoxyalkanoic acid herbicides and their phenolic conversion products in soil by microwave assisted solvent extraction and subsequent analysis of extracts by on-line solidphase extraction–liquid chromatography 959(2002)153

Application of gas chromatography-tandem mass spectrometry to the analysis of pesticides in fruits and vegetables 959(2002)203

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

pH effects

Dual gradient ion-exchange chromatography improved refolding yield of lysozyme 959(2002)113

Pharmaceutical analysis

Comparison of capillary electrophoresis and reversed-phase liquid chromatography for determination of the enantiomeric purity of an M3 antagonist 959(2002)299

Phenoxy acids

Coupling continuous subcritical water extraction, filtration, preconcentration, chromatographic separation and UV detection for the determination of chlorophenoxy acid herbicides in soils 959(2002)25

Phenoxyalkanoic acids

Analysis of phenoxyalkanoic acid herbicides and their phenolic conversion products in soil by microwave assisted solvent extraction and subsequent analysis of extracts by on-line solidphase extraction–liquid chromatography 959(2002)153

Phototransformation

Aquatic phototransformation study of the antifouling agent Sea-Nine 211: identification of byproducts and the reaction pathway by gas chromatography-mass spectroscopy 959(2002)215

Phosphoric acids

Analysis of glyphosate, glufosinate and aminomethylphosphonic acid by capillary electrophoresis with indirect fluorescence detection 959(2002)309

Podophyllotoxins

Separation of diastereoisomers of podophyllum lignans by micellar electrokinetic chromatography 959(2002)263

Polychlorinated biphenyls

Miniaturised analytical procedure of determining polycyclic aromatic hydrocarbons and polychlorinated biphenyls in bottom sediments 959(2002)173

Polynuclear aromatic hydrocarbons

Miniaturised analytical procedure of determining polycyclic aromatic hydrocarbons and polychlorinated biphenyls in bottom sediments 959(2002)173

Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. III. Performance in organic-modified buffers 959(2002)255

Polysaccharides

Conductivity detection for molecular mass estimation of per-*O*-sulfonated glycosaminoglycans separated by high-performance size-exclusion chromatography 959(2002)95

Polystyrene, butyl-terminated

Molecular modelling of chain end effects in separating oligomers by reversed-phase gradient polymer elution chromatography; adsorption transition as revealed by a selfconsistent-field theory for polymer adsorption 959(2002)37

Preparative chromatography

Displacement chromatography of isomers and therapeutic compounds 959(2002)85

340

Pressurized liquid extraction

Pressurized liquid extraction followed by liquid chromatography-mass spectrometry for the determination of alkylphenolic compounds in river sediment 959(2002)15

Proteins

Ultrasensitive chemiluminescence detection in capillary electrophoresis (Review) 959(2002)1

Surface and pore diffusion in macroporous and gel-filled gigaporous stationary phases for protein chromatography 959(2002)65

Dual gradient ion-exchange chromatography improved refolding yield of lysozyme 959(2002)113

Band broadening caused by the multiple labeling of proteins in micellar electrokinetic chromatography with diode laser-induced fluorescence detection 959(2002)281

Capillary electrophoretic separations of proteins using carrier ampholytes 959(2002)289

Protein folding

Dual gradient ion-exchange chromatography improved refolding yield of lysozyme 959(2002)113

Pseudostationary phases

Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. III. Performance in organic-modified buffers 959(2002)255

Pyridines

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Retention behavior

Modeling of retention behavior in capillary electrochromatography from chromatographic and electrophoretic data 959(2002)241

Reviews

Ultrasensitive chemiluminescence detection in capillary electrophoresis (Review) 959(2002)1

Selanstrum chaetoceras

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Sea-Nine 211

Aquatic phototransformation study of the antifouling agent Sea-Nine 211: identification of byproducts and the reaction pathway by gas chromatography-mass spectroscopy 959(2002)215

Siloxanes

Novel alkyl-modified anionic siloxanes as pseudostationary phases for electrokinetic chromatography. III. Performance in organic-modified buffers 959(2002)255

Soil

Coupling continuous subcritical water extraction, filtration, preconcentration, chromatographic separation and UV detection for the determination of chlorophenoxy acid herbicides in soils 959(2002)25

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Analysis of phenoxyalkanoic acid herbicides and their phenolic conversion products in soil by microwave assisted solvent extraction and subsequent analysis of extracts by on-line solidphase extraction–liquid chromatography 959(2002)153

Stationary phases, LC

Surface and pore diffusion in macroporous and gel-filled gigaporous stationary phases for protein chromatography 959(2002)65

Micropreparative fractionation of DNA fragments on metathesisbased monoliths: influence of stoichiometry on separation 959(2002)121

Stochastic simulation

Stochastic simulation of the partition mechanism with a heterogeneous surface phase 959(2002)49

Subcritical water extraction

Coupling continuous subcritical water extraction, filtration, preconcentration, chromatographic separation and UV detection for the determination of chlorophenoxy acid herbicides in soils 959(2002)25

Tetraedron minimum

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Thermal desorption

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Toxins

Separation of diastereoisomers of podophyllum lignans by micellar electrokinetic chromatography 959(2002)263

Triglycerides

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Urea

Dual gradient ion-exchange chromatography improved refolding yield of lysozyme 959(2002)113

Validation

Electromigration dispersion in capillary zone electrophoresis. Experimental validation of use of the Haarhoff–Van der Linde function 959(2002)229

Comparison of capillary electrophoresis and reversed-phase liquid chromatography for determination of the enantiomeric purity of an M3 antagonist 959(2002)299

Vegetable oils

At-line gas chromatographic-mass spectrometric analysis of fatty acid profiles of green microalgae using a direct thermal desorption interface 959(2002)191

Vegetables

Application of gas chromatography-tandem mass spectrometry to the analysis of pesticides in fruits and vegetables 959(2002)203

Volatile organic compounds

Multicomponent analysis of volatile organic compounds in water by automated purge and trap coupled to gas chromatography-mass spectrometry 959(2002)181

Water analysis

Analysis of cyanobacterial hepatotoxins in water samples by microbore reversed-phase liquid chromatography–electrospray ionisation mass spectrometry 959(2002)103

Liquid chromatographic method development for determination of fungicide epoxiconazole enantiomers by achiral and chiral column switching technique in water and soil 959(2002)143

Multicomponent analysis of volatile organic compounds in water by automated purge and trap coupled to gas chromatography-mass spectrometry 959(2002)181