

Available online at www.sciencedirect.com



Journal of Chromatography A, 1003 (2003) 227-232

JOURNAL OF CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

Subject Index Vol. 1003

Activated charcoal

Evaluation of multi-walled carbon nanotubes as gas chromatographic column packing 1003(2003)203

Adsorption isotherms

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- $C_{18} = 1003(2003)43$

Study of the competitive isotherm model and the mass transfer kinetics for a BET binary system 1003(2003)73

Analytical solution of the ideal, nonlinear model of reaction chromatography for a reaction $A \rightarrow B$ and a parabolic isotherm 1003(2003)91

Affinity adsorbents

Isocratic separation of monosaccharides using immobilized Concanavalin A 1003(2003)123

Air analysis

Determination of imidacloprid and its metabolite 6chloronicotinic acid in greenhouse air by application of micellar electrokinetic capillary chromatography with solid-phase extraction 1003(2003)189

Amino acids

Erratum to "Mathematical correlations for predicting protein retention times in hydrophobic interaction chromatography". [J. Chromatogr. A 978 (2002) 71–79] Erratum 1003(2003)223

Amiton

Gas chromatographic-mass spectrometric characterisation of amiton and the recovery of amiton from concrete, paint, rubber and soil matrices 1003(2003)143

Ammonium ion

Simultaneous determination of inorganic nitrogen species by microcolumn ion chromatography 1003(2003)197

Aniline

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- C_{18} 1003(2003)43

Antibiotics

Determination of antibiotics from soil by pressurized liquid extraction and liquid chromatography-tandem mass spectrometry 1003(2003)21

Axial dispersion

Analytical solution of the ideal, nonlinear model of reaction chromatography for a reaction $A \rightarrow B$ and a parabolic isotherm 1003(2003)91

Band profiles

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil-C $_{18}$ 1003(2003)43

Analytical solution of the ideal, nonlinear model of reaction chromatography for a reaction $A \rightarrow B$ and a parabolic isotherm 1003(2003)91

Benzoic acids

Capillary electrophoretic analysis of the derivatives and isomers of benzoate and phthalate 1003(2003)179

Biogenic amines

Separation of biogenic amines by micellar electrokinetic chromatography with on-line chemiluminescence detection 1003(2003)211

Caffeine

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- C_{18} 1003(2003)43

Catecholamines

Determination of noradrenaline and dopamine in Chinese herbal extracts from *Portulaca oleracea* L. by high-performance liquid chromatography 1003(2003)127

Chemiluminescence detection

Separation of biogenic amines by micellar electrokinetic chromatography with on-line chemiluminescence detection 1003(2003)211

0021-9673/03/\$ – see front matter © 2003 Elsevier Science B.V. All right reserved doi:10.1016/S0021-9673(03)01014-8

Chip technology

On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry 1003(2003)11

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Chloride

Determination of nutrients in the presence of high chloride concentrations by column-switching ion chromatography 1003(2003)133

Chloronicotinic acid

Determination of imidacloprid and its metabolite 6chloronicotinic acid in greenhouse air by application of micellar electrokinetic capillary chromatography with solid-phase extraction 1003(2003)189

Coated capillaries

Novel polyamine coating providing non-covalent deactivation and reversed electroosmotic flow of fused-silica capillaries for capillary electrophoresis 1003(2003)217

Concanavalin A

Isocratic separation of monosaccharides using immobilized Concanavalin A 1003(2003)123

Concrete

Gas chromatographic-mass spectrometric characterisation of amiton and the recovery of amiton from concrete, paint, rubber and soil matrices 1003(2003)143

Co-evaporation

Comparison of methods used for pre-concentrating small volumes of organic volatile solutions 1003(2003)1

Cyclodextrins

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Derivatization, LC

Simultaneous determination of inorganic nitrogen species by microcolumn ion chromatography 1003(2003)197

Desalting methods

On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry 1003(2003)11

Detection, electrophoresis

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Separation of biogenic amines by micellar electrokinetic chromatography with on-line chemiluminescence detection 1003(2003)211

Dopamine

Determination of noradrenaline and dopamine in Chinese herbal extracts from *Portulaca oleracea* L. by high-performance liquid chromatography 1003(2003)127

Drug discovery

Rapid method development for chiral separation in drug discovery using sample pooling and supercritical fluid chromatography-mass spectrometry 1003(2003)157

Electrochemical detection

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Electrodes

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Enantiomer separation

Rapid method development for chiral separation in drug discovery using sample pooling and supercritical fluid chromatography-mass spectrometry 1003(2003)157

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Environmental analysis

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Determination of imidacloprid and its metabolite 6chloronicotinic acid in greenhouse air by application of micellar electrokinetic capillary chromatography with solid-phase extraction 1003(2003)189

Epinephrine

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Ethylbenzene

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- C_{18} 1003(2003)43

Frontal analysis

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- C_{18} 1003(2003)43

228

Study of the competitive isotherm model and the mass transfer kinetics for a BET binary system 1003(2003)73

Graphitized carbon black

Evaluation of multi-walled carbon nanotubes as gas chromatographic column packing 1003(2003)203

Hydrophobic interaction chromatography

Erratum to "Mathematical correlations for predicting protein retention times in hydrophobic interaction chromatography". [J. Chromatogr. A 978 (2002) 71–79] Erratum 1003(2003)223

Hydrophobicity

Erratum to "Mathematical correlations for predicting protein retention times in hydrophobic interaction chromatography". [J. Chromatogr. A 978 (2002) 71–79] Erratum 1003(2003)223

Imidacloprid

Determination of imidacloprid and its metabolite 6chloronicotinic acid in greenhouse air by application of micellar electrokinetic capillary chromatography with solid-phase extraction 1003(2003)189

Instrumentation

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Inorganic anions

Determination of nutrients in the presence of high chloride concentrations by column-switching ion chromatography 1003(2003)133

Iodoacetamide

On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry 1003(2003)11

Isoproterenol

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Lactoglobulin

On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry 1003(2003)11

Lectins

Isocratic separation of monosaccharides using immobilized Concanavalin A 1003(2003)123

Lipids

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Macrolides

Determination of antibiotics from soil by pressurized liquid extraction and liquid chromatography-tandem mass spectrometry 1003(2003)21

Mass transfer

Study of the competitive isotherm model and the mass transfer kinetics for a BET binary system 1003(2003)73

Mathematical modeling

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- C_{18} 1003(2003)43

Mathematical modelling

Erratum to "Mathematical correlations for predicting protein retention times in hydrophobic interaction chromatography". [J. Chromatogr. A 978 (2002) 71–79] Erratum 1003(2003)223

Membranes

On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry 1003(2003)11

Monoclinic columns

System maps for retention of neutral organic compounds under isocratic conditions on a reversed-phase monolithic column 1003(2003)113

Monosaccharides

Isocratic separation of monosaccharides using immobilized Concanavalin A 1003(2003)123

Multi-walled carbon nanotubes

Evaluation of multi-walled carbon nanotubes as gas chromatographic column packing 1003(2003)203

Neurotransmitters

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

Nitrate

Simultaneous determination of inorganic nitrogen species by microcolumn ion chromatography 1003(2003)197

Nitrite

Simultaneous determination of inorganic nitrogen species by microcolumn ion chromatography 1003(2003)197

Noradrenaline

Determination of noradrenaline and dopamine in Chinese herbal extracts from *Portulaca oleracea* L. by high-performance liquid chromatography 1003(2003)127

Norepinephrine

Chiral analysis of neurotransmitters using cyclodextrin-modified capillary electrophoresis equipped with microfabricated interdigitated electrodes 1003(2003)167

230

Nutrients

Determination of nutrients in the presence of high chloride concentrations by column-switching ion chromatography 1003(2003)133

Organic compounds, neutral

System maps for retention of neutral organic compounds under isocratic conditions on a reversed-phase monolithic column 1003(2003)113

Paint

Gas chromatographic-mass spectrometric characterisation of amiton and the recovery of amiton from concrete, paint, rubber and soil matrices 1003(2003)143

Parabolic isotherm

Analytical solution of the ideal, nonlinear model of reaction chromatography for a reaction $A \rightarrow B$ and a parabolic isotherm 1003(2003)91

Pesticides

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Determination of imidacloprid and its metabolite 6chloronicotinic acid in greenhouse air by application of micellar electrokinetic capillary chromatography with solid-phase extraction 1003(2003)189

Perturbation chromatography

Study of the competitive isotherm model and the mass transfer kinetics for a BET binary system 1003(2003)73

Pharmaceutical analysis

Determination of noradrenaline and dopamine in Chinese herbal extracts from *Portulaca oleracea* L. by high-performance liquid chromatography 1003(2003)127

Phase ratio

Effect of phase ratio on van't Hoff analysis in reversed-phase liquid chromatography, and phase-ratio-independent estimation of transfer enthalpy 1003(2003)101

Phenol

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- C_{18} 1003(2003)43

Phthalic acids

Capillary electrophoretic analysis of the derivatives and isomers of benzoate and phthalate 1003(2003)179

Plant materials

Determination of noradrenaline and dopamine in Chinese herbal extracts from *Portulaca oleracea* L. by high-performance liquid chromatography 1003(2003)127

Polyamine coating

Novel polyamine coating providing non-covalent deactivation and reversed electroosmotic flow of fused-silica capillaries for capillary electrophoresis 1003(2003)217

Polychlorinated biphenyls

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Polycyclic aromatic hydrocarbons

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Poly(vinylidene difluoride)

On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry 1003(2003)11

Portulaca oleracea

Determination of noradrenaline and dopamine in Chinese herbal extracts from *Portulaca oleracea* L. by high-performance liquid chromatography 1003(2003)127

Positional isomers

Capillary electrophoretic analysis of the derivatives and isomers of benzoate and phthalate 1003(2003)179

Pressurized liquid extraction

Determination of antibiotics from soil by pressurized liquid extraction and liquid chromatography-tandem mass spectrometry 1003(2003)21

Pre-concentration

Comparison of methods used for pre-concentrating small volumes of organic volatile solutions 1003(2003)1

Propranolol

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- C_{18} 1003(2003)43

Proteins

On-chip protein sample desalting and preparation for direct coupling with electrospray ionization mass spectrometry 1003(2003)11

Novel polyamine coating providing non-covalent deactivation and reversed electroosmotic flow of fused-silica capillaries for capillary electrophoresis 1003(2003)217

Erratum to "Mathematical correlations for predicting protein retention times in hydrophobic interaction chromatography". [J. Chromatogr. A 978 (2002) 71–79] Erratum 1003(2003)223

Reaction chromatography, non-linear

Analytical solution of the ideal, nonlinear model of reaction chromatography for a reaction $A \rightarrow B$ and a parabolic isotherm 1003(2003)91

Recovery

Comparison of methods used for pre-concentrating small volumes of organic volatile solutions 1003(2003)1

Retention properties

System maps for retention of neutral organic compounds under isocratic conditions on a reversed-phase monolithic column 1003(2003)113

Retention time prediction

Erratum to "Mathematical correlations for predicting protein retention times in hydrophobic interaction chromatography". [J. Chromatogr. A 978 (2002) 71–79] Erratum 1003(2003)223

Rubber

Gas chromatographic-mass spectrometric characterisation of amiton and the recovery of amiton from concrete, paint, rubber and soil matrices 1003(2003)143

Sample pooling

Rapid method development for chiral separation in drug discovery using sample pooling and supercritical fluid chromatography-mass spectrometry 1003(2003)157

Sea water

Determination of nutrients in the presence of high chloride concentrations by column-switching ion chromatography 1003(2003)133

Sediments

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Soil

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Gas chromatographic-mass spectrometric characterisation of amiton and the recovery of amiton from concrete, paint, rubber and soil matrices 1003(2003)143

Solid-phase extraction

Solid-phase extraction clean-up of soil and sediment extracts for the determination of various types of pollutants in a single run 1003(2003)29

Stationary phase volume

Effect of phase ratio on van't Hoff analysis in reversed-phase liquid chromatography, and phase-ratio-independent estimation of transfer enthalpy 1003(2003)101

Stationary phase, GC

Evaluation of multi-walled carbon nanotubes as gas chromatographic column packing 1003(2003)203

Structural isomers

Capillary electrophoretic analysis of the derivatives and isomers of benzoate and phthalate 1003(2003)179

Supercritical fluid chromatography

Rapid method development for chiral separation in drug discovery using sample pooling and supercritical fluid chromatography-mass spectrometry 1003(2003)157

System maps

System maps for retention of neutral organic compounds under isocratic conditions on a reversed-phase monolithic column 1003(2003)113

Terephthalic acid

Capillary electrophoretic analysis of the derivatives and isomers of benzoate and phthalate 1003(2003)179

Thermodynamics

Effect of phase ratio on van't Hoff analysis in reversed-phase liquid chromatography, and phase-ratio-independent estimation of transfer enthalpy 1003(2003)101

Theophylline

Repeatability and reproducibility of high concentration data in reversed-phase liquid chromatography. I. Overloaded band profiles on Kromasil- $C_{18} = 1003(2003)43$

Van't Hoff equation

Effect of phase ratio on van't Hoff analysis in reversed-phase liquid chromatography, and phase-ratio-independent estimation of transfer enthalpy 1003(2003)101

Volatile compounds

Comparison of methods used for pre-concentrating small volumes of organic volatile solutions 1003(2003)1

Warfare agents

Gas chromatographic-mass spectrometric characterisation of amiton and the recovery of amiton from concrete, paint, rubber and soil matrices 1003(2003)143

Water analysis

Determination of nutrients in the presence of high chloride concentrations by column-switching ion chromatography 1003(2003)133