

Available online at www.sciencedirect.com



JOURNAL OF CHROMATOGRAPHY A

Journal of Chromatography A, 1028 (2004) 349-355

www.elsevier.com/locate/chroma

Subject Index Vol. 1028

Adsorption energy distribution

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound 1028(2004)197

Adsorption equilibrium

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate-adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound 1028(2004)197

Adsorption isotherms

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Modeling ion-exchange adsorption of proteins in a spherical particle 1028(2004)189

Affinity admicelles

Protein separation with surfactant-coated polystyrene involving Cibacron Blue 3GA-conjugated Triton X-100 1028(2004)149

Affinity energy distribution

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Affinity ligands

Protein separation with surfactant-coated polystyrene involving Cibacron Blue 3GA-conjugated Triton X-100 1028(2004)149

Alcohols

Characterisation of beeswax in works of art by gas chromatography–mass spectrometry and pyrolysis–gas chromatography–mass spectrometry procedures 1028(2004)297

Aldehydes

Determination of important odor-active aldehydes of wine through gas chromatography—mass spectrometry of their *O*-(2,3,4,5,6-pentafluorobenzyl)oximes formed directly in the solid phase extraction cartridge used for selective isolation 1028(2004)339

Alkaloids

Nonaqueous capillary electrophoresis using a titania-coated capillary 1028(2004)165

Alkanes

Analysis of chemical warfare agents. I. Use of aliphatic thiols in the trace level determination of Lewisite compounds in complex matrices 1028(2004)313

Alkyl-bonded phases

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Alumina

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Amino acids

Application of tetraoxadiaza-crown ether derivatives as chiral selector modifiers in capillary electrophoresis 1028(2004)325

Amyris balsamifera

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Anatoxins

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography—mass spectrometry 1028(2004)155

Anion-exchange

Demonstration of simultaneous anion-exchange and reversed-phase behavior on a strong anion-exchange column 1028(2004)239

Anions

Demonstration of simultaneous anion-exchange and reversed-phase behavior on a strong anion-exchange column 1028(2004)239

Art analysis

Characterisation of beeswax in works of art by gas chromatography-mass spectrometry and pyrolysis-gas chromatography-mass spectrometry procedures 1028(2004)297

Automation

Applicability of headspace solid-phase microextraction to the determination of multi-class pesticides in waters 1028(2004)63

Background electrolyte composition

Nonaqueous capillary electrophoresis using a titania-coated capillary 1028(2004)165

Bacteria

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography–mass spectrometry 1028(2004)155

Band profiles

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Band splitting

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate-adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Basic compounds

Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column 1028(2004)139

Caffeine

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Cation exchange

Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column 1028(2004)139

Celastrol

Preparative isolation and purification of celastrol from *Celastrus orbiculatus* Thunb. by a new counter-current chromatography method with an upright coil planet centrifuge 1028(2004)171

Celastrus orbiculatus

Preparative isolation and purification of celastrol from *Celastrus orbiculatus* Thunb. by a new counter-current chromatography method with an upright coil planet centrifuge 1028(2004)171

Chiral selectors

Application of tetraoxadiaza-crown ether derivatives as chiral selector modifiers in capillary electrophoresis 1028(2004)325

Chiral stationary phases, electrochromatography

Improved quantification limits in chiral capillary electrochromatography by peak compression effects 1028(2004)333

Chiral stationary phases, LC

Simulated moving columns technique for chiral liquid chromatography 1028(2004)227

3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone

Matrix effects in the gas chromatographic–mass spectrometric determination of brominated analogues of 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone 1028(2004)179

Cibacron blue

Protein separation with surfactant-coated polystyrene involving Cibacron Blue 3GA-conjugated Triton X-100 1028(2004)149

Coated columns

Nonaqueous capillary electrophoresis using a titania-coated capillary 1028(2004)165

Column heterogeneity

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Column reproducibility

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Comb-polymers

Simulation of size-exclusion chromatography distribution coefficients of comb-shaped molecules in spherical pores. Comparison of simulation and experiment 1028(2004)211

Competitive isotherm

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate-adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound 1028(2004)197

Confocal microscopy

Modeling ion-exchange adsorption of proteins in a spherical particle 1028(2004)189

Counter-current chromatography

Preparative isolation and purification of celastrol from *Celastrus orbiculatus* Thunb. by a new counter-current chromatography method with an upright coil planet centrifuge 1028(2004)171

Crown ethers

Application of tetraoxadiaza-crown ether derivatives as chiral selector modifiers in capillary electrophoresis 1028(2004)325

Cyanotoxins

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography-mass spectrometry 1028(2004)155

Cyclodextrins

Application of tetraoxadiaza-crown ether derivatives as chiral selector modifiers in capillary electrophoresis 1028(2004)325

Cylindrospermopsin

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography–mass spectrometry 1028(2004)155

Derivatisation, GC

Characterisation of beeswax in works of art by gas chromatography–mass spectrometry and pyrolysis–gas chromatography–mass spectrometry procedures 1028(2004)297

Analysis of chemical warfare agents. I. Use of aliphatic thiols in the trace level determination of Lewisite compounds in complex matrices 1028(2004)313

Determination of important odor-active aldehydes of wine through gas chromatography–mass spectrometry of their *O*-(2,3,4,5,6-pentafluorobenzyl)oximes formed directly in the solid phase extraction cartridge used for selective isolation 1028(2004)339

Derivatization, electrophoresis

Application of tetraoxadiaza-crown ether derivatives as chiral selector modifiers in capillary electrophoresis 1028(2004)325

Diaza-crown ethers

Application of tetraoxadiaza-crown ether derivatives as chiral selector modifiers in capillary electrophoresis 1028(2004)325

Distribution coefficients

Simulation of size-exclusion chromatography distribution coefficients of comb-shaped molecules in spherical pores. Comparison of simulation and experiment 1028(2004)211

Dithiocarbamates

Determination of dithiocarbamates and metabolites in plants by liquid chromatography-mass spectrometry 1028(2004)267

Drug metabolite identification

Direct on-line hyphenation of capillary liquid chromatography to nuclear magnetic resonance spectroscopy: Practical aspects and application to drug metabolite identification 1028(2004)259

Electrochromatography

Improved quantification limits in chiral capillary electrochromatography by peak compression effects 1028(2004)333

Electroosmotic pump

Study of an electroosmotic pump for liquid delivery and its application in capillary column liquid chromatography 1028(2004)219

Enantiomer separation

Application of tetraoxadiaza-crown ether derivatives as chiral selector modifiers in capillary electrophoresis 1028(2004)325

Improved quantification limits in chiral capillary electrochromatography by peak compression effects 1028(2004)333

Enantioselectivity

Simulated moving columns technique for chiral liquid chromatography 1028(2004)227

Eremophila mitchelli

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Essential oils

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Ethylbenzene

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound 1028(2004)197

Ethylbenzoate

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate-adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Extended BET isotherm

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate—adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound 1028(2004)197

Factor Analysis

Separation of oligostyrene isomers in a complex mixture using twodimensional heart-cutting reversed-phased liquid chromatography 1028(2004)247

Fatty acids

Characterisation of beeswax in works of art by gas chromatography–mass spectrometry and pyrolysis–gas chromatography–mass spectrometry procedures 1028(2004)297

Feature selection

Prediction of gas chromatographic retention indices of a diverse set of toxicologically relevant compounds 1028(2004)287

Food analysis

Determination of dithiocarbamates and metabolites in plants by liquid chromatography-mass spectrometry 1028(2004)267

Application of solid-phase microextraction to the analysis of volatile compounds in virgin olive oils 1028(2004)321

Forensic analysis

Prediction of gas chromatographic retention indices of a diverse set of toxicologically relevant compounds 1028(2004)287

Frontal analysis

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate-adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound 1028(2004)197

Fusanus acuminatus

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Gaussian equations

Temporally convoluted Gaussian equations for chromatographic peaks 1028(2004)89

Headspace analysis

Applicability of headspace solid-phase microextraction to the determination of multi-class pesticides in waters 1028(2004)63

Application of solid-phase microextraction to the analysis of volatile compounds in virgin olive oils 1028(2004)321

Heart-cutting technique

Separation of oligostyrene isomers in a complex mixture using twodimensional heart-cutting reversed-phased liquid chromatography 1028(2004)247

Hydrocarbons

Characterisation of beeswax in works of art by gas chromatography–mass spectrometry and pyrolysis–gas chromatography–mass spectrometry procedures 1028(2004)297

Hydrophilic interaction chromatography

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography–mass spectrometry 1028(2004)155

Hydroxy acids

Characterisation of beeswax in works of art by gas chromatography–mass spectrometry and pyrolysis–gas chromatography–mass spectrometry procedures 1028(2004)297

Hyphenated techniques

Direct on-line hyphenation of capillary liquid chromatography to nuclear magnetic resonance spectroscopy: Practical aspects and application to drug metabolite identification 1028(2004)259

Information Theory

Separation of oligostyrene isomers in a complex mixture using twodimensional heart-cutting reversed-phased liquid chromatography 1028(2004)247

Instrumentation

Study of an electroosmotic pump for liquid delivery and its application in capillary column liquid chromatography 1028(2004)219

Ion exchange

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Ion-exchange adsorption

Modeling ion-exchange adsorption of proteins in a spherical particle 1028(2004)189

Ion-exchangers

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Isotherm modeling

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate—adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound 1028(2004)197

Lewisites

Analysis of chemical warfare agents. I. Use of aliphatic thiols in the trace level determination of Lewisite compounds in complex matrices 1028(2004)313

Ligand exchange

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Liquid chromatography, two-dimensional

Separation of oligostyrene isomers in a complex mixture using twodimensional heart-cutting reversed-phased liquid chromatography 1028(2004)247

Lysozyme

Protein separation with surfactant-coated polystyrene involving Cibacron Blue 3GA-conjugated Triton X-100 1028(2004)149

Mathematical modeling

Modeling ion-exchange adsorption of proteins in a spherical particle 1028(2004)189

Prediction of gas chromatographic retention indices of a diverse set of toxicologically relevant compounds 1028(2004)287

Matrix effects

Matrix effects in the gas chromatographic–mass spectrometric determination of brominated analogues of 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone 1028(2004)179

Mesotrine

Quantification of the new triketone herbicides, sulcotrione and mesotrione, and other important herbicides and metabolites, at the ng/l level in surface waters using liquid chromatography–tandem mass spectrometry 1028(2004)277

Mianserin

Improved quantification limits in chiral capillary electrochromatography by peak compression effects 1028(2004)333

Microcystins

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography–mass spectrometry 1028(2004)155

Mobile phase composition

Demonstration of simultaneous anion-exchange and reversed-phase behavior on a strong anion-exchange column 1028(2004)239

Modified metal oxide surfaces

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Molecular descriptors

Prediction of gas chromatographic retention indices of a diverse set of toxicologically relevant compounds 1028(2004)287

Monolithic columns

Heterogeneity of the surface energy on unused C₁₈-Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Multi-Langmuir isotherm

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

MX

Matrix effects in the gas chromatographic—mass spectrometric determination of brominated analogues of 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone 1028(2004)179

Nonaqueous capillary electrophoresis

Nonaqueous capillary electrophoresis using a titania-coated capillary 1028(2004)165

Nuclear magnetic resonance spectroscopy

Direct on-line hyphenation of capillary liquid chromatography to nuclear magnetic resonance spectroscopy: Practical aspects and application to drug metabolite identification 1028(2004)259

Oligostyrene isomers

Separation of oligostyrene isomers in a complex mixture using twodimensional heart-cutting reversed-phased liquid chromatography 1028(2004)247

Olive oi

Application of solid-phase microextraction to the analysis of volatile compounds in virgin olive oils 1028(2004)321

Organoarsenic compounds

Analysis of chemical warfare agents. I. Use of aliphatic thiols in the trace level determination of Lewisite compounds in complex matrices 1028(2004)313

Organosulfur compounds

Determination of dithiocarbamates and metabolites in plants by liquid chromatography-mass spectrometry 1028(2004)267

Overloaded band profiles

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Parcel model

Temporally convoluted Gaussian equations for chromatographic peaks 1028(2004)89

Peak compression

Improved quantification limits in chiral capillary electrochromatography by peak compression effects 1028(2004)333

Peak shape

Temporally convoluted Gaussian equations for chromatographic peaks 1028(2004)89

Peak tailing

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Pesticides

Applicability of headspace solid-phase microextraction to the determination of multi-class pesticides in waters 1028(2004)63

Matrix effects in the gas chromatographic–mass spectrometric determination of brominated analogues of 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone 1028(2004)179

Determination of dithiocarbamates and metabolites in plants by liquid chromatography-mass spectrometry 1028(2004)267

Quantification of the new triketone herbicides, sulcotrione and mesotrione, and other important herbicides and metabolites, at the ng/l level in surface waters using liquid chromatography–tandem mass spectrometry 1028(2004)277

Phenol

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Heterogeneity of the surface energy on unused C_{18} -Chromolith adsorbents in reversed-phase liquid chromatography 1028(2004)105

Plant materials

Preparative isolation and purification of celastrol from *Celastrus orbiculatus* Thunb. by a new counter-current chromatography method with an upright coil planet centrifuge 1028(2004)171

Polybutadiene-coated metal oxides

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Polyethyleneimine-coated zirconia

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Polymeric columns

Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column 1028(2004)139

Polymers

Simulation of size-exclusion chromatography distribution coefficients of comb-shaped molecules in spherical pores. Comparison of simulation and experiment 1028(2004)211

Polystyrene particles

Protein separation with surfactant-coated polystyrene involving Cibacron Blue 3GA-conjugated Triton X-100 $\,$ 1028(2004)149

Polystyrene-coated metal oxides

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Preparative chromatography

Preparative isolation and purification of celastrol from *Celastrus orbiculatus* Thunb. by a new counter-current chromatography method with an upright coil planet centrifuge 1028(2004)171

Simulated moving columns technique for chiral liquid chromatography 1028(2004)227

Proteins

Protein separation with surfactant-coated polystyrene involving Cibacron Blue 3GA-conjugated Triton X-100 1028(2004)149

Modeling ion-exchange adsorption of proteins in a spherical particle 1028(2004)189

Pumps

Study of an electroosmotic pump for liquid delivery and its application in capillary column liquid chromatography 1028(2004)219

Pyrolysis

Characterisation of beeswax in works of art by gas chromatography–mass spectrometry and pyrolysis–gas chromatography–mass spectrometry procedures 1028(2004)297

Recycling chromatography

Simulated moving columns technique for chiral liquid chromatography 1028(2004)227

Regression analysis

Analysis of chemical warfare agents. I. Use of aliphatic thiols in the trace level determination of Lewisite compounds in complex matrices 1028(2004)313

Regression models

Prediction of gas chromatographic retention indices of a diverse set of toxicologically relevant compounds 1028(2004)287

Retention indices

Prediction of gas chromatographic retention indices of a diverse set of toxicologically relevant compounds 1028(2004)287

Retention mechanisms

Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column 1028(2004)139

Demonstration of simultaneous anion-exchange and reversed-phase behavior on a strong anion-exchange column 1028(2004)239

Retention prediction

Prediction of gas chromatographic retention indices of a diverse set of toxicologically relevant compounds 1028(2004)287

Reviews

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Sandalwood

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Santalols

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Santalum spp.

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Saxitoxins

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography–mass spectrometry 1028(2004)155

Silanol activity

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Silica

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Physical origin of peak tailing on C_{18} -bonded silica in reversed-phase liquid chromatography 1028(2004)75

Simulated moving columns

Simulated moving columns technique for chiral liquid chromatography 1028(2004)227

Simulations

Simulation of size-exclusion chromatography distribution coefficients of comb-shaped molecules in spherical pores. Comparison of simulation and experiment 1028(2004)211

Solid phase extraction

Determination of important odor-active aldehydes of wine through gas chromatography—mass spectrometry of their *O*-(2,3,4,5,6-pentafluorobenzyl)oximes formed directly in the solid phase extraction cartridge used for selective isolation 1028(2004)339

Solid-phase microextraction

Applicability of headspace solid-phase microextraction to the determination of multi-class pesticides in waters 1028(2004)63

Spherical particles

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Stationary phases, LC

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column 1028(2004)139

Modeling ion-exchange adsorption of proteins in a spherical particle 1028(2004)189

Demonstration of simultaneous anion-exchange and reversed-phase behavior on a strong anion-exchange column 1028(2004)239

Steric mass action

Modeling ion-exchange adsorption of proteins in a spherical particle 1028(2004)189

Sulcotrione

Quantification of the new triketone herbicides, sulcotrione and mesotrione, and other important herbicides and metabolites, at the ng/l level in surface waters using liquid chromatography–tandem mass spectrometry 1028(2004)277

Sulfadimethoxine

Application of shielded column liquid chromatography for determination of

sulfamonomethoxine, sulfadimethoxine, and their $N_4\mbox{-acetyl}$ metabolites in milk -1028(2004)175

Sulfamonomethoxine

Application of shielded column liquid chromatography for determination of sulfamonomethoxine, sulfadimethoxine, and their N_4 -acetyl metabolites in milk 1028(2004)175

System zones

Improved quantification limits in chiral capillary electrochromatography by peak compression effects 1028(2004)333

Temporal convolution

Temporally convoluted Gaussian equations for chromatographic peaks 1028(2004)89

4-tert-Butylphenol

Band splitting in overloaded isocratic elution chromatography. III. Modeling of adsorbate-adsorbate interactions by a two-component extension of a BET kinetic isotherm model 1028(2004)121

Thiols

Analysis of chemical warfare agents. I. Use of aliphatic thiols in the trace level determination of Lewisite compounds in complex matrices 1028(2004)313

Titania

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31

Nonaqueous capillary electrophoresis using a titania-coated capillary 1028(2004)165

Toluene

Influence of a buffered solution on the adsorption isotherm and overloaded band profiles of an ionizable compound $\;\;1028(2004)197$

Toxins

Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatography–mass spectrometry 1028(2004)155

Triterpenoids

Preparative isolation and purification of celastrol from *Celastrus orbiculatus* Thunb. by a new counter-current chromatography method with an upright coil planet centrifuge 1028(2004)171

Vancomycin

Improved quantification limits in chiral capillary electrochromatography by peak compression effects 1028(2004)333

Volatile organic compounds

Evaluation of the quality of sandalwood essential oils by gas chromatography-mass spectrometry 1028(2004)307

Application of solid-phase microextraction to the analysis of volatile compounds in virgin olive oils 1028(2004)321

Warfare agents

Analysis of chemical warfare agents. I. Use of aliphatic thiols in the trace level determination of Lewisite compounds in complex matrices 1028(2004)313

Water analysis

Applicability of headspace solid-phase microextraction to the determination of multi-class pesticides in waters 1028(2004)63

Quantification of the new triketone herbicides, sulcotrione and mesotrione, and other important herbicides and metabolites, at the ng/l level in surface waters using liquid chromatography–tandem mass spectrometry 1028(2004)277

Waxes

Characterisation of beeswax in works of art by gas chromatography–mass spectrometry and pyrolysis–gas chromatography–mass spectrometry procedures 1028(2004)297

Wine

Determination of important odor-active aldehydes of wine through gas chromatography-mass spectrometry of their O-(2,3,4,5,6-pentafluorobenzyl)oximes formed directly in the solid phase extraction cartridge used for selective isolation 1028(2004)339

XAD-4

Protein separation with surfactant-coated polystyrene involving Cibacron Blue 3GA-conjugated Triton X-100 1028(2004)149

Zirconia

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)1

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC (Review) 1028(2004)31