

JOURNAL OF CHROMATOGRAPHY A

Journal of Chromatography A, 843 (1999) 427-433

Subject Index Vols. 842 and 843

Air analysis

Air analysis by gas chromatography (Review) 843(1999)129

Anthropogenic volatile organic compounds in ambient air and natural waters: a review on recent developments of analytical methodology, performance and interpretation of field measurements (Review) 843(1999)163

Investigation of aldehydic lipid peroxidation products by gas chromatography-mass spectrometry (Review) 843(1999)29

Retention index in temperature-programmed gas chromatography (Review) 842(1999)29

Retention index systems: alternatives to the n-alkanes as calibration standards (Review) 842(1999)51

Recent advances in non-silylation derivatization techniques for gas chromatography (Review) 843(1999)1

Recent developments in the high-resolution gas chromatography of polychlorinated biphenyls (Review) 843(1999)323

Atropisomers

Recent developments in the high-resolution gas chromatography of polychlorinated biphenyls (Review) 843(1999)323

Carbohydrate profiling of bacteria by gas chromatography-mass spectrometry and their trace detection in complex matrices by gas chromatography-tandem mass spectrometry (Review) 843(1999)287

Calibration standards

Retention index systems: alternatives to the n-alkanes as calibration standards (Review) 842(1999)51

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Capillary columns

Strategies for speed optimisation in gas chromatography: an overview (Review) 842(1999)3

Carbohydrates

Carbohydrate profiling of bacteria by gas chromatography-mass spectrometry and their trace detection in complex matrices by gas chromatography-tandem mass spectrometry (Review) 843(1999)287

Carbon isotope ratio analysis

Oil spill identification (Review) 843(1999)369

Chemiluminescence

Detection by ozone-induced chemiluminescence in chromatography (Review) 842(1999)267

Chemometrics

Classification of stationary phases and other materials by gas chromatography (Review) 842(1999)79

Chiral selectors

Cyclodextrin derivatives as chiral selectors for direct gas chromatographic separation of enantiomers in the essential oil, aroma and flavour fields (Review) 843(1999)99

Chlordane

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Chlorinated paraffins

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

Column performance

Evaluation of column performance in constant pressure and constant flow capillary gas chromatography 842(1999)15

Column technology

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

0021-9673/99/\$ - see front matter © 1999 Elsevier Science B.V. All right reserved

PII: S0021-9673(99)00575-0

Computer simulation

Application of statistical-overlap theory to gas chromatograms simulated on nonpolar stationary phases with commercial software 842(1999)65

Constant flow

Evaluation of column performance in constant pressure and constant flow capillary gas chromatography 842(1999)15

Constant pressure

Evaluation of column performance in constant pressure and constant flow capillary gas chromatography 842(1999)15

Cryogenic trapping

Headspace sampling with capillary columns (Review) 842(1999)163

Cyclodextrins

Cyclodextrin derivatives as chiral selectors for direct gas chromatographic separation of enantiomers in the essential oil, aroma and flavour fields (Review) 843(1999)99

Data processing

Peak distortion, data sampling errors and the integrator in the measurement of very narrow chromatographic peaks (Review) 842(1999)321

Data sampling error

Peak distortion, data sampling errors and the integrator in the measurement of very narrow chromatographic peaks (Review) 842(1999)321

Derivatization, GC

Recent advances in non-silylation derivatization techniques for gas chromatography (Review) 843(1999)1

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Profiling of organic acids by capillary gas chromatography—mass spectrometry after direct methylation in urine using trimethyloxonium tetrafluoroborate 843(1999)237

Polymer analysis by pyrolysis gas chromatography (Review) 843(1999)413

Detection, GC

Aspects of the mechanism of the flame ionization detector (Review) 842(1999)221

Non-radioactive electron-capture detector (Review) 842(1999)229

Detection by ozone-induced chemiluminescence in chromatography (Review) 842(1999)267

Gas chromatography with Fourier transform infrared and mass spectral detection (Review) 842(1999)341

Applied gas chromatography coupled to isotope ratio mass spectrometry (Review) 842(1999)351

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Detection, LC

Non-radioactive electron-capture detector (Review) 842(1999)229

Diesel fuel

Instrumentation and applications of fast high-resolution capillary gas chromatography 842(1999)309

Doping control

Introduction to the application of capillary gas chromatography to the analysis of performance-enhancing drugs in doping control (Review) 843(1999)275

Electroantennography

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Electrochromatography

Peak distortion, data sampling errors and the integrator in the measurement of very narrow chromatographic peaks (Review) 842(1999)321

Electron-capture detection

Non-radioactive electron-capture detector (Review) 842(1999)229

Enantiomer

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Enantiomer separation

Recent advances in non-silylation derivatization techniques for gas chromatography (Review) 843(1999)1

Cyclodextrin derivatives as chiral selectors for direct gas chromatographic separation of enantiomers in the essential oil, aroma and flavour fields (Review) 843(1999)99

Comparison of two methods for the gas chromatographic determination of thermodynamic parameters of enantioselectivity 843(1999)123

Enantioselectivity

Comparison of two methods for the gas chromatographic determination of thermodynamic parameters of enantioselectivity 843(1999)123

Environmental analysis

Applied gas chromatography coupled to isotope ratio mass spectrometry (Review) 842(1999)351

On-line combination of aqueous-sample preparation and capillary gas chromatography (Review) 842(1999)391

Oil spill identification (Review) 843(1999)369

Essential oils

Cyclodextrin derivatives as chiral selectors for direct gas chromatographic separation of enantiomers in the essential oil, aroma and flavour fields (Review) 843(1999)99

Extraction methods

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Fast chromatography

Peak distortion, data sampling errors and the integrator in the measurement of very narrow chromatographic peaks (Review) 842(1999)321

Fatty acids

Instrumentation and applications of fast high-resolution capillary gas chromatography 842(1999)309

Investigation of aldehydic lipid peroxidation products by gas chromatography-mass spectrometry (Review) 843(1999)29

Fixed gases

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

Flame ionization detection

Aspects of the mechanism of the flame ionization detector (Review) 842(1999)221

Food analysis

Applied gas chromatography coupled to isotope ratio mass spectrometry (Review) 842(1999)351

Cyclodextrin derivatives as chiral selectors for direct gas chromatographic separation of enantiomers in the essential oil, aroma and flavour fields (Review) 843(1999)99

Trace analysis of pesticides by gas chromatography (Review) 843(1999)301

Gas chromatography

Strategies for speed optimisation in gas chromatography: an overview (Review) 842(1999)3

Gas chromatography, fast

Instrumentation and applications of fast high-resolution capillary gas chromatography 842(1999)309

Gas chromatography-mass spectrometry

Investigation of aldehydic lipid peroxidation products by gas chromatography-mass spectrometry (Review) 843(1999)29

Geochemistry

Applied gas chromatography coupled to isotope ratio mass spectrometry (Review) 842(1999)351

Headspace analysis

Headspace sampling with capillary columns (Review) 842(1999)163

Hormones

Clinical applications of gas chromatography and gas chromatography-mass spectrometry of steroids (Review) 843(1999)247

Hydrocarbons

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

Gas chromatography in space (Review) 843(1999)147

Hydroperoxides

Investigation of aldehydic lipid peroxidation products by gas chromatography-mass spectrometry (Review) 843(1999)29

Infrared detection

Gas chromatography with Fourier transform infrared and mass spectral detection (Review) 842(1999)341

Instrumentation

Instrumentation and applications of fast high-resolution capillary gas chromatography 842(1999)309

Isotope analysis

Applied gas chromatography coupled to isotope ratio mass spectrometry (Review) 842(1999)351

Large-volume injection

Programmed temperature vaporisers-based large volume injection in capillary gas chromatography (Review) 842(1999)143

Lipid hydroperoxides

Investigation of aldehydic lipid peroxidation products by gas chromatography-mass spectrometry (Review) 843(1999)29

Liquid chromatography-gas chromatography

On-line combination of aqueous-sample preparation and capillary gas chromatography (Review) 842(1999)391

Liquid chromatography-high resolution gas chromatography

High-performance liquid chromatography coupled on-line with high resolution gas chromatography. State of the art (Review) 842(1999)373

Mass spectrometry

Gas chromatography with Fourier transform infrared and mass spectral detection (Review) 842(1999)341

Applied gas chromatography coupled to isotope ratio mass spectrometry (Review) 842(1999)351

Metal complexes

Non-radioactive electron-capture detector (Review) 842(1999)229

Methyl lactate

Comparison of two methods for the gas chromatographic determination of thermodynamic parameters of enantioselectivity 843(1999)123

Methylation

Profiling of organic acids by capillary gas chromatography—mass spectrometry after direct methylation in urine using trimethyloxonium tetrafluoroborate 843(1999)237

Nitrogen

Detection by ozone-induced chemiluminescence in chromatography (Review) 842(1999)267

Oil spill identification

Oil spill identification (Review) 843(1999)369

Oils

Instrumentation and applications of fast high-resolution capillary gas chromatography 842(1999)309

Optimisation

Strategies for speed optimisation in gas chromatography: an overview (Review) 842(1999)3

Organic acids

Profiling of organic acids by capillary gas chromatography—mass spectrometry after direct methylation in urine using trimethyloxonium tetrafluoroborate 843(1999)237

Oxibendazole

Recent advances in non-silylation derivatization techniques for gas chromatography (Review) 843(1999)1

Packed columns

Strategies for speed optimisation in gas chromatography: an overview (Review) 842(1999)3

Peak capacity

Evaluation of column performance in constant pressure and constant flow capillary gas chromatography 842(1999)15

Peak overlap

Application of statistical-overlap theory to gas chromatograms simulated on nonpolar stationary phases with commercial software 842(1999)65

Peak shape

Peak distortion, data sampling errors and the integrator in the measurement of very narrow chromatographic peaks (Review) 842(1999)321

Pesticides

Non-radioactive electron-capture detector (Review) 842(1999)229

On-line combination of aqueous-sample preparation and capillary gas chromatography (Review) 842(1999)391

Trace analysis of pesticides by gas chromatography (Review) 843(1999)301

Petroleum

Application of statistical-overlap theory to gas chromatograms simulated on nonpolar stationary phases with commercial software 842(1999)65

Oil spill identification (Review) 843(1999)369

Phenols

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Pheromones

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Polybrominated biphenyls

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Polybrominated diphenylethers

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Polychlorinated biphenyls

Non-radioactive electron-capture detector (Review) 842(1999)229

Instrumentation and applications of fast high-resolution capillary gas chromatography 842(1999)309

Recent developments in the high-resolution gas chromatography of polychlorinated biphenyls (Review) 843(1999)323

Polychlorinated dibenzodioxins

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

${\bf Polychlorinated\ dibenzo furans}$

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Polychlorinated diphenylethers

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Polychlorinated naphthalenes

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Polychlorinated terphenyls

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Polycyclic aromatic hydrocarbons

Oil spill identification (Review) 843(1999)369

Polymers

Introduction to pyrolysis-capillary gas chromatography (Review) 842(1999)207

Polymer analysis by pyrolysis gas chromatography (Review) 843(1999)413

Porous layer open-tubular columns

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

Programmed temperature vaporiser

Programmed temperature vaporisers-based large volume injection in capillary gas chromatography (Review) 842(1999)143

Prostaglandins

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Pvrolvsis

Introduction to pyrolysis—capillary gas chromatography (Review) 842(1999)207

Polymer analysis by pyrolysis gas chromatography (Review) 843(1999)413

Retention index

Retention index in temperature-programmed gas chromatography (Review) 842(1999)29

Retention index systems: alternatives to the n-alkanes as calibration standards (Review) 842(1999)51

Application of statistical-overlap theory to gas chromatograms simulated on nonpolar stationary phases with commercial software 842(1999)65

Classification of stationary phases and other materials by gas chromatography (Review) 842(1999)79

Recent developments in the high-resolution gas chromatography of polychlorinated biphenyls (Review) 843(1999)323

Reviews

Strategies for speed optimisation in gas chromatography: an overview (Review) 842(1999)3

Retention index in temperature-programmed gas chromatography (Review) 842(1999)29

Retention index systems: alternatives to the n-alkanes as calibration standards (Review) 842(1999)51

Classification of stationary phases and other materials by gas chromatography (Review) 842(1999)79

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

Programmed temperature vaporisers-based large volume injection in capillary gas chromatography (Review) 842(1999)143

Headspace sampling with capillary columns (Review) 842(1999)163

Introduction to pyrolysis-capillary gas chromatography (Review) 842(1999)207

Aspects of the mechanism of the flame ionization detector (Review) 842(1999)221

Non-radioactive electron-capture detector (Review) 842(1999)229

Detection by ozone-induced chemiluminescence in chromatography (Review) 842(1999)267

Gas chromatography with Fourier transform infrared and mass spectral detection (Review) 842(1999)341

Applied gas chromatography coupled to isotope ratio mass spectrometry (Review) 842(1999)351

High-performance liquid chromatography coupled on-line with high resolution gas chromatography. State of the art (Review) 842(1999)373

On-line combination of aqueous-sample preparation and capillary gas chromatography (Review) 842(1999)391

Recent advances in non-silylation derivatization techniques for gas chromatography (Review) 843(1999)1

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Investigation of aldehydic lipid peroxidation products by gas chromatography-mass spectrometry (Review) 843(1999)29

Cyclodextrin derivatives as chiral selectors for direct gas chromatographic separation of enantiomers in the essential oil, aroma and flavour fields (Review) 843(1999)99

Air analysis by gas chromatography (Review) 843(1999)129

Gas chromatography in space (Review) 843(1999)147

Anthropogenic volatile organic compounds in ambient air and natural waters: a review on recent developments of analytical methodology, performance and interpretation of field measurements (Review) 843(1999)163

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Clinical applications of gas chromatography and gas chromatography-mass spectrometry of steroids (Review) 843(1999)247

Introduction to the application of capillary gas chromatography to the analysis of performance-enhancing drugs in doping control (Review) 843(1999)275

Carbohydrate profiling of bacteria by gas chromatography-mass spectrometry and their trace detection in complex matrices by gas chromatography-tandem mass spectrometry (Review) 843(1999)287

Trace analysis of pesticides by gas chromatography (Review) 843(1999)301

Recent developments in the high-resolution gas chromatography of polychlorinated biphenyls (Review) 843(1999)323

Oil spill identification (Review) 843(1999)369

Sample handling

Headspace sampling with capillary columns (Review) 842(1999)163

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Sample preparation

On-line combination of aqueous-sample preparation and capillary gas chromatography (Review) 842(1999)391

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Trace analysis of pesticides by gas chromatography (Review) 843(1999)301

Selectivity

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Sensitivity enhancement

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Single-cell recording

Pheromone analysis using capillary gas chromatographic techniques (Review) 843(1999)199

Solid-phase analytical derivatization

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Solute descriptors

Classification of stationary phases and other materials by gas chromatography (Review) 842(1999)79

Solvation parameter model

Classification of stationary phases and other materials by gas chromatography (Review) 842(1999)79

Space research

Gas chromatography in space (Review) 843(1999)147

Stationary phases, GC

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

Classification of stationary phases and other materials by gas chromatography (Review) 842(1999)79

Steroids

Clinical applications of gas chromatography and gas chromatography-mass spectrometry of steroids (Review) 843(1999)247

Sulfadimidine

Recent advances in non-silylation derivatization techniques for gas chromatography (Review) 843(1999)1

Sulfur

Detection by ozone-induced chemiluminescence in chromatography (Review) 842(1999)267

Temperature programming

Evaluation of column performance in constant pressure and constant flow capillary gas chromatography 842(1999)15

Retention index in temperature-programmed gas chromatography (Review) 842(1999)29

Tetrahydrocannabinol

Solid-phase analytical derivatization: enhancement of sensitivity and selectivity of analysis (Review) 843(1999)19

Thermodynamic parameters

Retention index in temperature-programmed gas chromatography (Review) 842(1999)29

Comparison of two methods for the gas chromatographic determination of thermodynamic parameters of enantioselectivity 843(1999)123

Toxaphene

Capillary gas chromatography for the determination of halogenated micro-contaminants (Review) 843(1999)179

Transfer techniques

High-performance liquid chromatography coupled on-line with high resolution gas chromatography. State of the art (Review) 842(1999)373

Trimethyloxonium tetrafluoroborate

Profiling of organic acids by capillary gas chromatography—mass spectrometry after direct methylation in urine using trimethyloxonium tetrafluoroborate 843(1999)237

Volatile organic compounds

Anthropogenic volatile organic compounds in ambient air and natural waters: a review on recent developments of analytical methodology, performance and interpretation of field measurements (Review) 843(1999)163

Volatile solvents

Porous layer open-tubular capillary columns: preparations, applications and future directions (Review) 842(1999)115

Water analysis

On-line combination of aqueous-sample preparation and capillary gas chromatography (Review) 842(1999)391

Anthropogenic volatile organic compounds in ambient air and natural waters: a review on recent developments of analytical methodology, performance and interpretation of field measurements (Review) 843(1999)163

Trace analysis of pesticides by gas chromatography (Review) 843(1999)301