

Subject Index Vol. 993

Air analysis

Determination of organophosphate esters in air samples by dynamic sonication-assisted solvent extraction coupled on-line with large-volume injection gas chromatography utilizing a programmed-temperature vaporizer 993(2003)103

Aluminum

Determination of aluminum in environmental and biological samples by reversed-phase high-performance liquid chromatography via pre-column complexation with morin 993(2003)179

Amino acids

Development of a capillary electrophoretic method for the analysis of amino acids containing tablets 993(2003)165

Aminocyclopropanecarboxylic acid

Extraction and quantitative analysis of 1-aminocyclopropane-1-carboxylic acid in plant tissue by gas chromatography coupled to mass spectrometry 993(2003)79

Anderson-type complexes

Capillary electrophoretic determination of Ga(III) based on the formation of a heteropolyoxomolybdate complex 993(2003)211

Anions

Capillary electrophoretic determination of Ga(III) based on the formation of a heteropolyoxomolybdate complex 993(2003)211

Arabidopsis thaliana

Extraction and quantitative analysis of 1-aminocyclopropane-1-carboxylic acid in plant tissue by gas chromatography coupled to mass spectrometry 993(2003)79

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Auxin

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Benzoic acids

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Bis(hydroxyphenyl)methane

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Brassica napus

Extraction and quantitative analysis of 1-aminocyclopropane-1-carboxylic acid in plant tissue by gas chromatography coupled to mass spectrometry 993(2003)79

Calibration

Intercalibration of chromatographic methods for auxino phytodrugs in *Solanaceae* 993(2003)111

Carbamazepine

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Carboxylic acids

Extraction and quantitative analysis of 1-aminocyclopropane-1-carboxylic acid in plant tissue by gas chromatography coupled to mass spectrometry 993(2003)79

Cations

Reversed-phase liquid chromatographic method for the determination of selected room-temperature ionic liquid cations 993(2003)173

Capillary electrophoretic determination of Ga(III) based on the formation of a heteropolyoxomolybdate complex 993(2003)211

Cereals

Determination of zearalenone from wheat and corn by pressurized liquid extraction and liquid chromatography–electrospray mass spectrometry 993(2003)39

Cetyltrimethylammonium chloride

Specific analyte–electrolyte additive interaction in transient isotachopheresis–capillary electrophoresis 993(2003)205

Chiral stationary phases, LC

Enantioselective liquid chromatography of C₃-chiral 2,3-dihydro-1,2,5-benzothiadiazepin-4(5*H*)-one and thione 1,1-dioxides on polyacrylamide- and polysaccharide-based chiral stationary phases 993(2003)17

Closed-loop stripping analysis

Closed-loop stripping analysis of synthetic musk compounds from fish tissues with measurement by gas chromatography–mass spectrometry with selected-ion monitoring 993(2003)1

Complexation

Determination of aluminum in environmental and biological samples by reversed-phase high-performance liquid chromatography via pre-column complexation with morin 993(2003)179

Capillary electrophoretic determination of Ga(III) based on the formation of a heteropolyoxomolybdate complex 993(2003)211

Contactless conductivity detection

Separation of haloacetic acids in water by capillary zone electrophoresis with direct UV detection and contactless conductivity detection 993(2003)143

Cosmetics

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Cytochrome P4501A-inducing compounds

Erratum to “Sequential fractionation procedure for the identification of potentially cytochrome P4501A-inducing compounds”. [J. Chromatogr. A, 986 (2003) 55–66] 993(2003)223

Cytotoxin

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Dehydroacetic acid

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Derivatization, GC

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Derivatization, LC

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Detection, electrophoresis

Separation of haloacetic acids in water by capillary zone electrophoresis with direct UV detection and contactless conductivity detection 993(2003)143

Detection, LC

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Diazepam

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Diclofenac

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

2,3-Dihydro-1,2,5-benzothiadiazepin-4(5*H*)-one

Enantioselective liquid chromatography of C₃-chiral 2,3-dihydro-1,2,5-benzothiadiazepin-4(5*H*)-one and thione 1,1-dioxides on polyacrylamide- and polysaccharide-based chiral stationary phases 993(2003)17

Drugs

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Dynamic sonication-assisted solvent extraction

Determination of organophosphate esters in air samples by dynamic sonication-assisted solvent extraction coupled on-line with large-volume injection gas chromatography utilizing a programmed-temperature vaporizer 993(2003)103

Enantiomer separation

Enantioselective liquid chromatography of C₃-chiral 2,3-dihydro-1,2,5-benzothiadiazepin-4(5*H*)-one and thione 1,1-dioxides on polyacrylamide- and polysaccharide-based chiral stationary phases 993(2003)17

Endosulfan

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Environmental analysis

Closed-loop stripping analysis of synthetic musk compounds from fish tissues with measurement by gas chromatography–mass spectrometry with selected-ion monitoring 993(2003)1

Determination of organophosphate esters in air samples by dynamic sonication-assisted solvent extraction coupled on-line with large-volume injection gas chromatography utilizing a programmed-temperature vaporizer 993(2003)103

Extraction methods

Closed-loop stripping analysis of synthetic musk compounds from fish tissues with measurement by gas chromatography–mass spectrometry with selected-ion monitoring 993(2003)1

Trace analysis of trichlorobenzenes in fish by microwave-assisted extraction and gas chromatography–electron-capture detection 993(2003)71

Determination of organophosphate esters in air samples by dynamic sonication-assisted solvent extraction coupled on-line with large-volume injection gas chromatography utilizing a programmed-temperature vaporizer 993(2003)103

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Factorial design

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Fish

Closed-loop stripping analysis of synthetic musk compounds from fish tissues with measurement by gas chromatography–mass spectrometry with selected-ion monitoring 993(2003)1

Trace analysis of trichlorobenzenes in fish by microwave-assisted extraction and gas chromatography–electron-capture detection 993(2003)71

Flavones

Determination of aluminum in environmental and biological samples by reversed-phase high-performance liquid chromatography via pre-column complexation with morin 993(2003)179

Focused microwave-assisted Soxhlet extraction

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Food analysis

Determination of zearalenone from wheat and corn by pressurized liquid extraction and liquid chromatography–electrospray mass spectrometry 993(2003)39

Trace analysis of trichlorobenzenes in fish by microwave-assisted extraction and gas chromatography–electron-capture detection 993(2003)71

Intercalibration of chromatographic methods for auxino phytodrugs in *Solanaceae* 993(2003)111

Headspace solid-phase microextraction in combination with gas chromatography–mass spectrometry for the rapid screening of organophosphorus insecticide residues in strawberries and cherries 993(2003)197

Formaldehyde–phenol resins

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Fruits

Headspace solid-phase microextraction in combination with gas chromatography–mass spectrometry for the rapid screening of organophosphorus insecticide residues in strawberries and cherries 993(2003)197

Gas chromatography

Comments on the early history of gas chromatographic methods for oil analysis 993(2003)217

Reply to “Comments to the early history of gas chromatographic methods for oil analysis” by L.S. Ettre 993(2003)221

Haloacetic acids

Separation of haloacetic acids in water by capillary zone electrophoresis with direct UV detection and contactless conductivity detection 993(2003)143

Halogenated compounds

Retention index calculation without *n*-alkanes—the virtual carbon number 993(2003)187

Hardware solution

Theoretical and experimental study of recycle capillary gas chromatography with carrier gas propelled by a peristaltic pump 993(2003)47

Headspace analysis

Headspace solid-phase microextraction in combination with gas chromatography–mass spectrometry for the rapid screening of organophosphorus insecticide residues in strawberries and cherries 993(2003)197

Heteropolyanions

Capillary electrophoretic determination of Ga(III) based on the formation of a heteropolyoxomolybdate complex 993(2003)211

Heteropolyoxomolybdate

Capillary electrophoretic determination of Ga(III) based on the formation of a heteropolyoxomolybdate complex 993(2003)211

Hexachlorocyclohexanes

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Hindered amine stabilizers

Highly sensitive determination of a polymeric hindered amine light stabilizer in polypropylene by reactive thermal desorption–gas chromatography using nitrogen-specific detection 993(2003)137

Imidurea

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Inorganic anions

Specific analyte–electrolyte additive interaction in transient isotachopheresis–capillary electrophoresis 993(2003)205

Iodide

Specific analyte–electrolyte additive interaction in transient isotachopheresis–capillary electrophoresis 993(2003)205

Ionic liquid cations

Reversed-phase liquid chromatographic method for the determination of selected room-temperature ionic liquid cations 993(2003)173

Isotachopheresis–electrophoresis

Specific analyte–electrolyte additive interaction in transient isotachopheresis–capillary electrophoresis 993(2003)205

Keto acids

Development of a capillary electrophoretic method for the analysis of amino acids containing tablets 993(2003)165

Ketoprofen

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Ketosteril

Development of a capillary electrophoretic method for the analysis of amino acids containing tablets 993(2003)165

Large-volume injection

Determination of organophosphate esters in air samples by dynamic sonication-assisted solvent extraction coupled on-line with large-volume injection gas chromatography utilizing a programmed-temperature vaporizer 993(2003)103

Metal cations

Determination of aluminum in environmental and biological samples by reversed-phase high-performance liquid chromatography via pre-column complexation with morin 993(2003)179

Capillary electrophoretic determination of Ga(III) based on the formation of a heteropolyoxomolybdate complex 993(2003)211

Morin

Determination of aluminum in environmental and biological samples by reversed-phase high-performance liquid chromatography via pre-column complexation with morin 993(2003)179

Multistep fractionation

Erratum to “Sequential fractionation procedure for the identification of potentially cytochrome P4501A-inducing compounds”. [J. Chromatogr. A, 986 (2003) 55–66] 993(2003)223

Musk compounds

Closed-loop stripping analysis of synthetic musk compounds from fish tissues with measurement by gas chromatography–mass spectrometry with selected-ion monitoring 993(2003)1

Naproxen

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Nicotiana tabacum

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Novolacs

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Oils

Retention index calculation without *n*-alkanes—the virtual carbon number 993(2003)187

Comments on the early history of gas chromatographic methods for oil analysis 993(2003)217

Reply to “Comments to the early history of gas chromatographic methods for oil analysis” by L.S. Ettre 993(2003)221

Optimization

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Organic acids

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Separation of haloacetic acids in water by capillary zone electrophoresis with direct UV detection and contactless conductivity detection 993(2003)143

Organochlorine compounds

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Organophosphates

Determination of organophosphate esters in air samples by dynamic sonication-assisted solvent extraction coupled on-line with large-volume injection gas chromatography utilizing a programmed-temperature vaporizer 993(2003)103

Organophosphorus compounds

Headspace solid-phase microextraction in combination with gas chromatography–mass spectrometry for the rapid screening of organophosphorus insecticide residues in strawberries and cherries 993(2003)197

Parabens

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Pentahydroxyflavone

Determination of aluminum in environmental and biological samples by reversed-phase high-performance liquid chromatography via pre-column complexation with morin 993(2003)179

Pesticides

Intercalibration of chromatographic methods for auxino phytodrugs in *Solanaceae* 993(2003)111

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Headspace solid-phase microextraction in combination with gas chromatography–mass spectrometry for the rapid screening of organophosphorus insecticide residues in strawberries and cherries 993(2003)197

Pharmaceutical analysis

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Development of a capillary electrophoretic method for the analysis of amino acids containing tablets 993(2003)165

Phenol–formaldehyde resins

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Phenoxy acids

Intercalibration of chromatographic methods for auxino phytodrugs in *Solanaceae* 993(2003)111

Phosphates

Determination of organophosphate esters in air samples by dynamic sonication-assisted solvent extraction coupled on-line with large-volume injection gas chromatography utilizing a programmed-temperature vaporizer 993(2003)103

Photochemically induced fluorimetric detection

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Plant hormones

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Plant material

Extraction and quantitative analysis of 1-aminocyclopropane-1-carboxylic acid in plant tissue by gas chromatography coupled to mass spectrometry 993(2003)79

Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography–tandem mass spectrometry 993(2003)121

Polymers

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Polypropylene

Highly sensitive determination of a polymeric hindered amine light stabilizer in polypropylene by reactive thermal desorption–gas chromatography using nitrogen-specific detection 993(2003)137

Preparative chromatography

Erratum to “Sequential fractionation procedure for the identification of potentially cytochrome P4501A-inducing compounds”. [J. Chromatogr. A, 986 (2003) 55–66] 993(2003)223

Profens

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Pyrolysis

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Quercetin

Determination of aluminum in environmental and biological samples by reversed-phase high-performance liquid chromatography via pre-column complexation with morin 993(2003)179

Recycle gas chromatography

Theoretical and experimental study of recycle capillary gas chromatography with carrier gas propelled by a peristaltic pump 993(2003)47

Resols

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Retention indices

Retention index calculation without *n*-alkanes—the virtual carbon number 993(2003)187

Sample preparation

Closed-loop stripping analysis of synthetic musk compounds from fish tissues with measurement by gas chromatography–mass spectrometry with selected-ion monitoring 993(2003)1

Headspace solid-phase microextraction in combination with gas chromatography–mass spectrometry for the rapid screening of organophosphorus insecticide residues in strawberries and cherries 993(2003)197

***Solanaceae* spp.**

Intercalibration of chromatographic methods for auxino phytodrugs in *Solanaceae* 993(2003)111

Sorbic acid

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Stabilizers

Highly sensitive determination of a polymeric hindered amine light stabilizer in polypropylene by reactive thermal desorption–gas chromatography using nitrogen-specific detection 993(2003)137

Stationary phases, GC

Chromatographic properties of tetramethyl-*p*-silphenylene–dimethyl, diphenylsiloxane copolymers as stationary phases for gas–liquid chromatography 993(2003)59

Surfactants

Specific analyte–electrolyte additive interaction in transient isotachopheresis–capillary electrophoresis 993(2003)205

System characteristics

Theoretical and experimental study of recycle capillary gas chromatography with carrier gas propelled by a peristaltic pump 993(2003)47

Tetramethylammonium hydroxide

Highly sensitive determination of a polymeric hindered amine light stabilizer in polypropylene by reactive thermal desorption–gas chromatography using nitrogen-specific detection 993(2003)137

Tetramethyl-*p*-silphenylene–dimethyl, diphenylsiloxane copolymers

Chromatographic properties of tetramethyl-*p*-silphenylene–dimethyl, diphenylsiloxane copolymers as stationary phases for gas–liquid chromatography 993(2003)59

Thermal desorption

Highly sensitive determination of a polymeric hindered amine light stabilizer in polypropylene by reactive thermal desorption–gas chromatography using nitrogen-specific detection 993(2003)137

Thione 1,1-dioxides

Enantioselective liquid chromatography of C₃-chiral 2,3-dihydro-1,2,5-benzothiadiazepin-4(5*H*)-one and thione 1,1-dioxides on polyacrylamide- and polysaccharide-based chiral stationary phases 993(2003)17

Tobacco

Comprehensive chemical derivatization for gas chromatography–mass spectrometry-based multi-targeted profiling of the major phytohormones 993(2003)89

Trichlorobenzenes

Trace analysis of trichlorobenzenes in fish by microwave-assisted extraction and gas chromatography–electron-capture detection 993(2003)71

Triclosan

Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products 993(2003)153

Validation

Intercalibration of chromatographic methods for auxino phytodrugs in *Solanaceae* 993(2003)111

Vegetables

Intercalibration of chromatographic methods for auxino phytodrugs in *Solanaceae* 993(2003)111

Virtual carbon number

Retention index calculation without *n*-alkanes—the virtual carbon number 993(2003)187

Water analysis

Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatography–post-column photochemically induced fluorimetry 993(2003)29

Separation of haloacetic acids in water by capillary zone electrophoresis with direct UV detection and contactless conductivity detection 993(2003)143

Xanthenes

Pyrolysis–gas chromatography–mass spectrometry of cured phenolic resins 993(2003)131

Zearalenone

Determination of zearalenone from wheat and corn by pressurized liquid extraction and liquid chromatography–electrospray mass spectrometry 993(2003)39