



ELSEVIER

Journal of Chromatography A, 920 (2001) 381–389

JOURNAL OF  
CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

## Subject Index Vol. 920

### Acetate

Ion-chromatographic analysis of common anions, acetate, and formate in 30% hydrogen peroxide. Statistical evaluation of two automated microbore systems 920(2001)143

### Adhesives

Ammonium extraction method for ion chromatographic measurements of disc drive components 920(2001)271

### Adsorption

Retention modelling of electrostatic and adsorption effects of aliphatic and aromatic carboxylic acids in ion-exclusion chromatography. II. Calculations of adsorption coefficients in unbuffered eluents 920(2001)41

### Air analysis

Monitoring and statistical evaluation of heavy metals in airborne particulates in Cairo, Egypt 920(2001)261

### Alkali metals

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

### Alkaline–earth metals

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

### Alkylbenzenesulfonates

Analysis of fountain solutions for anionic components, including alkylbenzenesulfonates, carboxylates and polyphosphates, by a combination of ion-exchange and ion-exclusion chromatography and inductively coupled plasma atomic emission spectrometry 920(2001)247

### Amines

Behaviour of inorganic and organic cations in the Debye–Hückel layer of DNA 920(2001)309

### Ammonium

Ammonium extraction method for ion chromatographic measurements of disc drive components 920(2001)271

### Anion exchangers

New block-grafted anion exchanger for environmental water analysis by ion chromatography 920(2001)51

### Arsenate

Ion-chromatographic screening method for monitoring arsenate and other anionic pollutants in ground waters of Northern Italy 920(2001)231

### Azide–iodine reaction

Ion-pair chromatography of polythionates and thiosulfate with detection based on their catalytic effects on the postcolumn azide–iodine reaction 920(2001)163

### Background electrolyte composition

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

### Benzenecarboxylic acids

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. I. Separation of benzenecarboxylic acids with tartaric acid as eluent and with UV-photometric detection 920(2001)69

### Benzenedithiol

Liquid chromatographic methods for chloral hydrate determination 920(2001)283

### Bromate

Comparison of three post-column reaction methods for the analysis of bromate and nitrite in drinking water 920(2001)205

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

Review of the methods of the US Environmental Protection Agency for bromate determination and validation of Method 317.0 for disinfection by-product anions and low-level bromate 920(2001)221

### Bromide

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

**Butyl phosphates**

Improved determination of tributyl phosphate degradation products (mono- and dibutyl phosphates) by ion chromatography 920(2001)275

**Calibration curves**

Ion-chromatographic analysis of common anions, acetate, and formate in 30% hydrogen peroxide. Statistical evaluation of two automated microbore systems 920(2001)143

**Carbohydrates**

Evaluation of fructans in various fresh and stewed fruits by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)291

Separation and identification of enzymatic sucrose hydrolysis products by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)299

**Carboxylic acids**

Retention modelling of electrostatic and adsorption effects of aliphatic and aromatic carboxylic acids in ion-exclusion chromatography. II. Calculations of adsorption coefficients in unbuffered eluents 920(2001)41

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. I. Separation of benzenecarboxylic acids with tartaric acid as eluent and with UV-photometric detection 920(2001)69

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. II. Separation of aliphatic carboxylic acids with pyromellitic acid as eluent and with suppressed conductimetric detection 920(2001)181

Analysis of fountain solutions for anionic components, including alkylbenzenesulfonates, carboxylates and polyphosphates, by a combination of ion-exchange and ion-exclusion chromatography and inductively coupled plasma atomic emission spectrometry 920(2001)247

Determination of C<sub>4</sub>–C<sub>14</sub> carboxylic acids by capillary zone electrophoresis. Application to the identification of diamide degradation products and partitioning studies 920(2001)345

**Charge density**

Simultaneous control of electrostatic micellar partition and electroosmotic flow-rate by anion-dominated partition into zwitterionic micelles 920(2001)317

**Chemiluminescence nitrogen detection**

Chemiluminescence nitrogen detection in ion chromatography for the determination of nitrogen-containing anions 920(2001)135

**Chloral hydrate**

Liquid chromatographic methods for chloral hydrate determination 920(2001)283

**Chlorate**

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

**Chloride**

Determination of trace anions in high-nitrate matrices by ion chromatography 920(2001)127

**Chlorite**

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

**Chlormequat**

Simple ion chromatographic method for the determination of chlormequat residues in pears 920(2001)255

**Chromium**

Effect of organic solvents in the on-line thermal lens spectrometric detection of chromium(III) and chromium(VI) after ion chromatographic separation 920(2001)119

**Coated columns**

Manipulation of separation selectivity of inorganic anions in electrostatic ion chromatography by the use of mixed cationic–zwitterionic micelles as the column coating solution 920(2001)95

**Crown ethers**

Simultaneous separation of common mono- and divalent cations on a zirconium-modified silica gel column by ion chromatography with non-suppressed conductimetric detection and tartaric acid–15-crown-5 as eluent 920(2001)109

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

**Dansylhydrazine**

Liquid chromatographic methods for chloral hydrate determination 920(2001)283

**Derivatization, LC**

Comparison of three post-column reaction methods for the analysis of bromate and nitrite in drinking water 920(2001)205

Liquid chromatographic methods for chloral hydrate determination 920(2001)283

**Detection, LC**

Effect of organic solvents in the on-line thermal lens spectrometric detection of chromium(III) and chromium(VI) after ion chromatographic separation 920(2001)119

Chemiluminescence nitrogen detection in ion chromatography for the determination of nitrogen-containing anions 920(2001)135

Ion-pair chromatography of polythionates and thiosulfate with detection based on their catalytic effects on the postcolumn azide-iodine reaction 920(2001)163

Determination of quaternary alkylammonium compounds by capillary zone electrophoresis and indirect UV detection as a real alternative to ion chromatography with suppressed conductivity detection 920(2001)333

#### **Dimethyldioctylhexylethoxymalonamide**

Determination of C<sub>4</sub>-C<sub>14</sub> carboxylic acids by capillary zone electrophoresis. Application to the identification of diamide degradation products and partitioning studies 920(2001)345

#### **Disc drives**

Ammonium extraction method for ion chromatographic measurements of disc drive components 920(2001)271

#### **Disinfection by-products**

Comparison of three post-column reaction methods for the analysis of bromate and nitrite in drinking water 920(2001)205

Review of the methods of the US Environmental Protection Agency for bromate determination and validation of Method 317.0 for disinfection by-product anions and low-level bromate 920(2001)221

#### **DNA**

Behaviour of inorganic and organic cations in the Debye-Hückel layer of DNA 920(2001)309

#### **Drugs**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

#### **Electrochromatography**

Optimisation of the separation of anions by ion chromatography-capillary electrophoresis using indirect UV detection 920(2001)31

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

#### **Electrokinetic chromatography**

Optimisation of the separation of anions by ion chromatography-capillary electrophoresis using indirect UV detection 920(2001)31

#### **Electrophoretic mobility**

Behaviour of inorganic and organic cations in the Debye-Hückel layer of DNA 920(2001)309

#### **Electrostatic ion chromatography**

Manipulation of separation selectivity of inorganic anions in electrostatic ion chromatography by the use of mixed cationic-zwitterionic micelles as the column coating solution 920(2001)95

#### **Environmental analysis**

New block-grafted anion exchanger for environmental water analysis by ion chromatography 920(2001)51

Simultaneous separation of common mono- and divalent cations on a zirconium-modified silica gel column by ion chromatography with non-suppressed conductimetric detection and tartaric acid-15-crown-5 as eluent 920(2001)109

Comparison of three post-column reaction methods for the analysis of bromate and nitrite in drinking water 920(2001)205

Ion-chromatographic screening method for monitoring arsenate and other anionic pollutants in ground waters of Northern Italy 920(2001)231

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

Monitoring and statistical evaluation of heavy metals in airborne particulates in Cairo, Egypt 920(2001)261

#### **Fatty acids**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

#### **Food analysis**

Simple ion chromatographic method for the determination of chlormequat residues in pears 920(2001)255

Evaluation of fructans in various fresh and stewed fruits by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)291

#### **Formate**

Ion-chromatographic analysis of common anions, acetate, and formate in 30% hydrogen peroxide. Statistical evaluation of two automated microbore systems 920(2001)143

Liquid chromatographic methods for chloral hydrate determination 920(2001)283

#### **Fountain solutions**

Analysis of fountain solutions for anionic components, including alkylbenzenesulfonates, carboxylates and polyphosphates, by a combination of ion-exchange and ion-exclusion chromatography and inductively coupled plasma atomic emission spectrometry 920(2001)247

#### **Fructans**

Evaluation of fructans in various fresh and stewed fruits by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)291

Separation and identification of enzymatic sucrose hydrolysis products by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)299

**Fructose**

Separation and identification of enzymatic sucrose hydrolysis products by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)299

**Fruits**

Simple ion chromatographic method for the determination of chlormequat residues in pears 920(2001)255

Evaluation of fructans in various fresh and stewed fruits by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)291

**Geochemistry**

Capillary electrophoresis for measuring major and trace anions in thermal water and condensed-steam samples from hydrothermal springs and fumaroles 920(2001)325

**Heavy metals**

Monitoring and statistical evaluation of heavy metals in airborne particulates in Cairo, Egypt 920(2001)261

**Histidine**

Histidine as a dipolar eluent component in cation chromatography. II. Prediction of retention data for alkaline and alkaline-earth ions 920(2001)23

**Hydrogen peroxide**

Ion-chromatographic analysis of common anions, acetate, and formate in 30% hydrogen peroxide. Statistical evaluation of two automated microbore systems 920(2001)143

**Ice cores**

Continuous melting and ion chromatographic analyses of ice cores 920(2001)193

**Indirect detection**

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

Determination of quaternary alkylammonium compounds by capillary zone electrophoresis and indirect UV detection as a real alternative to ion chromatography with suppressed conductivity detection 920(2001)333

**Inorganic anions**

Effect of temperature on retention and selectivity in ion chromatography of anions 920(2001)3

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

New block-grafted anion exchanger for environmental water analysis by ion chromatography 920(2001)51

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

Novel stationary phase with regulated anion-exchange capacity 920(2001)87

Manipulation of separation selectivity of inorganic anions in electrostatic ion chromatography by the use of mixed cationic–zwitterionic micelles as the column coating solution 920(2001)95

Determination of trace anions in high-nitrate matrices by ion chromatography 920(2001)127

Chemiluminescence nitrogen detection in ion chromatography for the determination of nitrogen-containing anions 920(2001)135

Ion-chromatographic analysis of common anions, acetate, and formate in 30% hydrogen peroxide. Statistical evaluation of two automated microbore systems 920(2001)143

Continuous melting and ion chromatographic analyses of ice cores 920(2001)193

Comparison of three post-column reaction methods for the analysis of bromate and nitrite in drinking water 920(2001)205

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

Review of the methods of the US Environmental Protection Agency for bromate determination and validation of Method 317.0 for disinfection by-product anions and low-level bromate 920(2001)221

Ion-chromatographic screening method for monitoring arsenate and other anionic pollutants in ground waters of Northern Italy 920(2001)231

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

Analysis of fountain solutions for anionic components, including alkylbenzenesulfonates, carboxylates and polyphosphates, by a combination of ion-exchange and ion-exclusion chromatography and inductively coupled plasma atomic emission spectrometry 920(2001)247

Capillary electrophoresis for measuring major and trace anions in thermal water and condensed-steam samples from hydrothermal springs and fumaroles 920(2001)325

**Inorganic cations**

Histidine as a dipolar eluent component in cation chromatography. II. Prediction of retention data for alkaline and alkaline-earth ions 920(2001)23

High-capacity cation-exchange column for enhanced resolution of adjacent peaks of cations in ion chromatography 920(2001)61

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

Simultaneous separation of common mono- and divalent cations on a zirconium-modified silica gel column by ion chromatography with non-suppressed conductimetric detection and tartaric acid–15-crown-5 as eluent 920(2001)109

Continuous melting and ion chromatographic analyses of ice cores 920(2001)193

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

Ammonium extraction method for ion chromatographic measurements of disc drive components 920(2001)271

Behaviour of inorganic and organic cations in the Debye–Hückel layer of DNA 920(2001)309

#### **Interlaboratory studies**

Review of the methods of the US Environmental Protection Agency for bromate determination and validation of Method 317.0 for disinfection by-product anions and low-level bromate 920(2001)221

#### **Inulobiiose**

Evaluation of fructans in various fresh and stewed fruits by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)291

#### **Iodate**

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

#### **Ion chromatography**

Manipulation of separation selectivity of inorganic anions in electrostatic ion chromatography by the use of mixed cationic–zwitterionic micelles as the column coating solution 920(2001)95

#### **Ion chromatography–capillary electrophoresis**

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

#### **Ion-exchange chromatography**

Novel stationary phase with regulated anion-exchange capacity 920(2001)87

#### **Ion-exclusion chromatography**

Retention modelling of electrostatic and adsorption effects of aliphatic and aromatic carboxylic acids in ion-exclusion chromatography. II. Calculations of adsorption coefficients in unbuffered eluents 920(2001)41

#### **Lithium chloride**

Ion chromatographic determination of lithium at trace level concentrations. Application to a tracer experiment in a high-mountain lake 920(2001)201

#### **Metal cations**

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

Effect of organic solvents in the on-line thermal lens spectrometric detection of chromium(III) and chromium(VI) after ion chromatographic separation 920(2001)119

Ion chromatographic determination of lithium at trace level concentrations. Application to a tracer experiment in a high-mountain lake 920(2001)201

#### **Marine particles**

Sub-ambient temperature effects on the separation of monosaccharides by high-performance anion-exchange chromatography with pulse amperometric detection. Application to marine chemistry 920(2001)13

#### **Mathematical modelling**

Histidine as a dipolar eluent component in cation chromatography. II. Prediction of retention data for alkaline and alkaline-earth ions 920(2001)23

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

Retention modelling of electrostatic and adsorption effects of aliphatic and aromatic carboxylic acids in ion-exclusion chromatography. II. Calculations of adsorption coefficients in unbuffered eluents 920(2001)41

#### **Metal cations**

Effect of organic solvents in the on-line thermal lens spectrometric detection of chromium(III) and chromium(VI) after ion chromatographic separation 920(2001)119

#### **Methyl orange–polystyrene stationary phase**

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

#### **Micelles**

Manipulation of separation selectivity of inorganic anions in electrostatic ion chromatography by the use of mixed cationic–zwitterionic micelles as the column coating solution 920(2001)95

Simultaneous control of electrostatic micellar partition and electroosmotic flow-rate by anion-dominated partition into zwitterionic micelles 920(2001)317

#### **Mixed-mode chromatography**

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

#### **Mobile phase composition**

Histidine as a dipolar eluent component in cation chromatography. II. Prediction of retention data for alkaline and alkaline-earth ions 920(2001)23

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. I. Separation of benzenecarboxylic acids with tartaric acid as eluent and with UV-photometric detection 920(2001)69

Retention behavior of transition metals on a bifunctional ion-exchange column with oxalic acid as eluent 920(2001)101

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. II. Separation of aliphatic carboxylic acids with pyromellitic acid as eluent and with suppressed conductimetric detection 920(2001)181

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

#### **Mobile-phase composition**

Separation of perfluoroalkylsulfonic acids and perfluoroalkylsulfonic acids by ion-exclusion chromatography 920(2001)173

#### **Monosaccharides**

Sub-ambient temperature effects on the separation of monosaccharides by high-performance anion-exchange chromatography with pulse amperometric detection. Application to marine chemistry 920(2001)13

#### **Mucus**

Sub-ambient temperature effects on the separation of monosaccharides by high-performance anion-exchange chromatography with pulse amperometric detection. Application to marine chemistry 920(2001)13

#### **Nitric acid**

Determination of trace anions in high-nitrate matrices by ion chromatography 920(2001)127

#### **Nitrite**

Comparison of three post-column reaction methods for the analysis of bromate and nitrite in drinking water 920(2001)205

#### **Nitrobenzylhydroxylamine**

Liquid chromatographic methods for chloral hydrate determination 920(2001)283

#### **Nuclear industry**

Improved determination of tributyl phosphate degradation products (mono- and dibutyl phosphates) by ion chromatography 920(2001)275

#### **Optimization**

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

#### **Organic acids**

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

Ion-chromatographic analysis of common anions, acetate, and formate in 30% hydrogen peroxide. Statistical evaluation of two automated microbore systems 920(2001)143

Separation of perfluoroalkylsulfonic acids and perfluoroalkylsulfonic acids by ion-exclusion chromatography 920(2001)173

Continuous melting and ion chromatographic analyses of ice cores 920(2001)193

#### **Organofluorine compounds**

Separation of perfluoroalkylsulfonic acids and perfluoroalkylsulfonic acids by ion-exclusion chromatography 920(2001)173

#### **Organophosphorus compounds**

Improved determination of tributyl phosphate degradation products (mono- and dibutyl phosphates) by ion chromatography 920(2001)275

#### **Organosulfur compounds**

Separation of perfluoroalkylsulfonic acids and perfluoroalkylsulfonic acids by ion-exclusion chromatography 920(2001)173

#### **Organosulphur compounds**

Analysis of fountain solutions for anionic components, including alkylbenzenesulfonates, carboxylates and polyphosphates, by a combination of ion-exchange and ion-exclusion chromatography and inductively coupled plasma atomic emission spectrometry 920(2001)247

#### **Oxalic acid**

Retention behavior of transition metals on a bifunctional ion-exchange column with oxalic acid as eluent 920(2001)101

**Oxyhalides**

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

**Partitioning**

Determination of C<sub>4</sub>–C<sub>14</sub> carboxylic acids by capillary zone electrophoresis. Application to the identification of diamide degradation products and partitioning studies 920(2001)345

**Perfluoroalkylsulfonic acids**

Separation of perfluoroalkylsulfonic acids and perfluoroalkylsulfonic acids by ion-exclusion chromatography 920(2001)173

**Perfluoroalkylsulfonic acids**

Separation of perfluoroalkylsulfonic acids and perfluoroalkylsulfonic acids by ion-exclusion chromatography 920(2001)173

**Pesticides**

Simple ion chromatographic method for the determination of chlormequat residues in pears 920(2001)255

**Pharmaceutical analysis**

Analysis of residual trifluoroacetic acid in a phosphate-buffered saline matrix by ion chromatography with suppressed conductivity detection 920(2001)155

**Phenylaminopropylsilica stationary phases**

Novel stationary phase with regulated anion-exchange capacity 920(2001)87

**Phosphates**

Determination of trace anions in high-nitrate matrices by ion chromatography 920(2001)127

Improved determination of tributyl phosphate degradation products (mono- and dibutyl phosphates) by ion chromatography 920(2001)275

**Phosphate-buffered saline**

Analysis of residual trifluoroacetic acid in a phosphate-buffered saline matrix by ion chromatography with suppressed conductivity detection 920(2001)155

**Phosphonic acids**

High-sensitivity determination of the degradation products of chemical warfare agents by capillary electrophoresis–indirect UV absorbance detection 920(2001)359

**Poly(diallyldimethylammonium chloride)**

Optimisation of the separation of anions by ion chromatography–capillary electrophoresis using indirect UV detection 920(2001)31

**Polyphosphates**

Analysis of fountain solutions for anionic components, including alkylbenzenesulfonates, carboxylates and polyphosphates, by a combination of ion-exchange and ion-exclusion chromatography and inductively coupled plasma atomic emission spectrometry 920(2001)247

**Polystyrene–divinylbenzene stationary phases**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

**Polystyrene–methyl orange stationary phase**

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

**Polythionates**

Ion-pair chromatography of polythionates and thiosulfate with detection based on their catalytic effects on the postcolumn azide–iodine reaction 920(2001)163

**Purines**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

**Pyrimidines**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

**Pyromellitic acid**

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. II. Separation of aliphatic carboxylic acids with pyromellitic acid as eluent and with suppressed conductimetric detection 920(2001)181

**Quaternary ammonium compounds**

Simple ion chromatographic method for the determination of chlormequat residues in pears 920(2001)255

Determination of quaternary alkylammonium compounds by capillary zone electrophoresis and indirect UV detection as a real alternative to ion chromatography with suppressed conductivity detection 920(2001)333

**Retention behavior**

Effect of temperature on retention and selectivity in ion chromatography of anions 920(2001)3

Retention behavior of transition metals on a bifunctional ion-exchange column with oxalic acid as eluent 920(2001)101

**Retention models**

Histidine as a dipolar eluent component in cation chromatography. II. Prediction of retention data for alkaline and alkaline-earth ions 920(2001)23

Retention modelling of electrostatic and adsorption effects of aliphatic and aromatic carboxylic acids in ion-exclusion chromatography. II. Calculations of adsorption coefficients in unbuffered eluents 920(2001)41

#### **Retention prediction**

Histidine as a dipolar eluent component in cation chromatography. II. Prediction of retention data for alkaline and alkaline-earth ions 920(2001)23

#### **Selectivity**

Effect of temperature on retention and selectivity in ion chromatography of anions 920(2001)3

Novel stationary phase with regulated anion-exchange capacity 920(2001)87

Manipulation of separation selectivity of inorganic anions in electrostatic ion chromatography by the use of mixed cationic-zwitterionic micelles as the column coating solution 920(2001)95

#### **Silica, phenylaminopropyl**

Novel stationary phase with regulated anion-exchange capacity 920(2001)87

#### **Silica, zirconium-modified**

Simultaneous separation of common mono- and divalent cations on a zirconium-modified silica gel column by ion chromatography with non-suppressed conductimetric detection and tartaric acid-15-crown-5 as eluent 920(2001)109

#### **Silica, zirconized**

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. I. Separation of benzenecarboxylic acids with tartaric acid as eluent and with UV-photometric detection 920(2001)69

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. II. Separation of aliphatic carboxylic acids with pyromellitic acid as eluent and with suppressed conductimetric detection 920(2001)181

#### **Sodium nitrate**

Determination of trace anions in high-nitrate matrices by ion chromatography 920(2001)127

#### **Stationary phases, electrochromatography**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

#### **Stationary phases, LC**

New block-grafted anion exchanger for environmental water analysis by ion chromatography 920(2001)51

High-capacity cation-exchange column for enhanced resolution of adjacent peaks of cations in ion chromatography 920(2001)61

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. I. Separation of benzenecarboxylic acids with tartaric acid as eluent and with UV-photometric detection 920(2001)69

Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange 920(2001)79

Novel stationary phase with regulated anion-exchange capacity 920(2001)87

Manipulation of separation selectivity of inorganic anions in electrostatic ion chromatography by the use of mixed cationic-zwitterionic micelles as the column coating solution 920(2001)95

Simultaneous separation of common mono- and divalent cations on a zirconium-modified silica gel column by ion chromatography with non-suppressed conductimetric detection and tartaric acid-15-crown-5 as eluent 920(2001)109

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. II. Separation of aliphatic carboxylic acids with pyromellitic acid as eluent and with suppressed conductimetric detection 920(2001)181

#### **Statistical analysis**

Ion-chromatographic analysis of common anions, acetate, and formate in 30% hydrogen peroxide. Statistical evaluation of two automated microbore systems 920(2001)143

Monitoring and statistical evaluation of heavy metals in airborne particulates in Cairo, Egypt 920(2001)261

#### **Steroids**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

#### **Sucrose**

Separation and identification of enzymatic sucrose hydrolysis products by high-performance anion-exchange chromatography with pulsed amperometric detection 920(2001)299

#### **Sulfa compounds**

Capillary-electrochromatographic separations with copolymeric reversed-stationary phase and ion-exchanger-packed columns 920(2001)367

#### **Sulfate**

Determination of trace anions in high-nitrate matrices by ion chromatography 920(2001)127

#### **Sulfosalicylic acid**

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

**Sulfur compounds**

Ion-pair chromatography of polythionates and thiosulfate with detection based on their catalytic effects on the postcolumn azide-iodine reaction 920(2001)163

**Tartaric acid**

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. I. Separation of benzenecarboxylic acids with tartaric acid as eluent and with UV-photometric detection 920(2001)69

**Temperature effects**

Effect of temperature on retention and selectivity in ion chromatography of anions 920(2001)3

Sub-ambient temperature effects on the separation of monosaccharides by high-performance anion-exchange chromatography with pulse amperometric detection. Application to marine chemistry 920(2001)13

**Thermal lens spectrometry**

Effect of organic solvents in the on-line thermal lens spectrometric detection of chromium(III) and chromium(VI) after ion chromatographic separation 920(2001)119

**Thiosulfate**

Ion-pair chromatography of polythionates and thiosulfate with detection based on their catalytic effects on the postcolumn azide-iodine reaction 920(2001)163

**Transition metals**

Retention behavior of transition metals on a bifunctional ion-exchange column with oxalic acid as eluent 920(2001)101

**Tribromide**

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

**Trifluoroacetic acid**

Analysis of residual trifluoroacetic acid in a phosphate-buffered saline matrix by ion chromatography with suppressed conductivity detection 920(2001)155

**Validation**

Review of the methods of the US Environmental Protection Agency for bromate determination and validation of Method 317.0 for disinfection by-product anions and low-level bromate 920(2001)221

**Warfare agents**

High-sensitivity determination of the degradation products of chemical warfare agents by capillary electrophoresis-indirect UV absorbance detection 920(2001)359

**Water analysis**

New block-grafted anion exchanger for environmental water analysis by ion chromatography 920(2001)51

Simultaneous separation of common mono- and divalent cations on a zirconium-modified silica gel column by ion chromatography with non-suppressed conductimetric detection and tartaric acid-15-crown-5 as eluent 920(2001)109

Continuous melting and ion chromatographic analyses of ice cores 920(2001)193

Ion chromatographic determination of lithium at trace level concentrations. Application to a tracer experiment in a high-mountain lake 920(2001)201

Comparison of three post-column reaction methods for the analysis of bromate and nitrite in drinking water 920(2001)205

Use of ion chromatography with post-column reaction for the measurement of tribromide to evaluate bromate levels in drinking water 920(2001)213

Review of the methods of the US Environmental Protection Agency for bromate determination and validation of Method 317.0 for disinfection by-product anions and low-level bromate 920(2001)221

Ion-chromatographic screening method for monitoring arsenate and other anionic pollutants in ground waters of Northern Italy 920(2001)231

High-performance ion-exclusion/cation-exchange chromatography of anions and cations in acid rain waters on a weakly acidic cation-exchange resin 920(2001)239

Liquid chromatographic methods for chloral hydrate determination 920(2001)283

Capillary electrophoresis for measuring major and trace anions in thermal water and condensed-steam samples from hydrothermal springs and fumaroles 920(2001)325

**Zeta potential**

Simultaneous control of electrostatic micellar partition and electroosmotic flow-rate by anion-dominated partition into zwitterionic micelles 920(2001)317

**Zirconized silica**

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. I. Separation of benzenecarboxylic acids with tartaric acid as eluent and with UV-photometric detection 920(2001)69

Application of zirconium-modified silica gel as a stationary phase in the ion-exclusion chromatography of carboxylic acids. II. Separation of aliphatic carboxylic acids with pyromellitic acid as eluent and with suppressed conductimetric detection 920(2001)181