



ELSEVIER

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

SCIENCE @ DIRECT®

Journal of Chromatography A, 1004 (2003) 239–242

JOURNAL OF  
CHROMATOGRAPHY A

[www.elsevier.com/locate/chroma](http://www.elsevier.com/locate/chroma)

## Subject Index Vol. 1004

### **Affinity capillary electrophoresis**

Evaluation of liposomal delivery of antisense oligonucleotide by capillary electrophoresis with laser-induced fluorescence detection 1004(2003)39

### **Alkylthiol gold nanoparticles**

Alkylthiol gold nanoparticles in open-tubular capillary electrochromatography 1004(2003)181

### **Alkyltriethoxysilanes**

Alkylthiol gold nanoparticles in open-tubular capillary electrochromatography 1004(2003)181

### **Amino acids**

Investigation of mixed-mode monolithic stationary phases for the analysis of charged amino acids and peptides by capillary electrochromatography 1004(2003)195

Determination of glutamine and serine in rat cerebrospinal fluid using capillary electrochromatography with a modified photopolymerized sol–gel monolithic column 1004(2003)209

### **Aminomethylphosphonic acid**

Analysis of glyphosate and glufosinate by capillary electrophoresis–mass spectrometry utilising a sheathless microelectrospray interface 1004(2003)107

### **Aminophenylpyrazine**

2-Amino-3-phenylpyrazine, a sensitive fluorescence prelabeling reagent for the chromatographic or electrophoretic determination of saccharides 1004(2003)99

### **Aminopyrene trisulfonate**

Capillary electrophoresis with laser-induced fluorescence detection for laboratory diagnosis of galactosemia 1004(2003)29

### **Association constants**

Assessing the separation of neutral plant secondary metabolites by micellar electrokinetic chromatography 1004(2003)131

### **Background electrolyte composition**

Simple coating of capillaries with anionic liposomes in capillary electrophoresis 1004(2003)81

### **Butyl acrylate**

Butyl acrylate porous polymer monoliths in fused-silica capillaries for use in capillary electrochromatography 1004(2003)155

### **Capillary columns**

Protein separation by monolithic capillary electrochromatography 1004(2003)167

### **Carbohydrates**

Capillary electrophoresis with laser-induced fluorescence detection for laboratory diagnosis of galactosemia 1004(2003)29

### **Chemometrics**

New approach based on fuzzy logic and principal component analysis for the classification of two-dimensional maps in health and disease. Application to lymphomas 1004(2003)13

### **Chip technology**

Rapid serial analysis of multiple oligonucleotide samples on a microchip using optically-gated injection 1004(2003)217

Comparison of the performance characteristics of poly(dimethylsiloxane) and Pyrex microchip electrophoresis devices for peptide separations 1004(2003)225

### **Coated capillaries**

Separation of mixtures of acidic and basic peptides at neutral pH 1004(2003)61

Simple coating of capillaries with anionic liposomes in capillary electrophoresis 1004(2003)81

### **Deoxynucleotides**

Handling and detection of 25 amol of near-infrared dye deoxynucleotide conjugates by capillary electrophoresis with laser-induced fluorescence detection 1004(2003)47

### **Derivatization, electrophoresis**

2-Amino-3-phenylpyrazine, a sensitive fluorescence prelabeling reagent for the chromatographic or electrophoretic determination of saccharides 1004(2003)99

Improved capillary electrophoretic separation and mass spectrometric detection of oligosaccharides 1004(2003)121

**Dihexadecyldimethylammonium bromide**

Study of solute partitioning into cationic vesicles of dihexadecyldimethylammonium bromide using electrokinetic chromatography 1004(2003)145

**DNA**

Rapid serial analysis of multiple oligonucleotide samples on a microchip using optically-gated injection 1004(2003)217

**Dyes**

Handling and detection of 25 amol of near-infrared dye deoxynucleotide conjugates by capillary electrophoresis with laser-induced fluorescence detection 1004(2003)47

**Electrochromatography**

Butyl acrylate porous polymer monoliths in fused-silica capillaries for use in capillary electrochromatography 1004(2003)155

Protein separation by monolithic capillary electrochromatography 1004(2003)167

Alkylthiol gold nanoparticles in open-tubular capillary electrochromatography 1004(2003)181

**Electroosmotic flow**

Simple coating of capillaries with anionic liposomes in capillary electrophoresis 1004(2003)81

**Enzymes**

Separation of mixtures of acidic and basic peptides at neutral pH 1004(2003)61

**Essential oils**

Assessing the separation of neutral plant secondary metabolites by micellar electrokinetic chromatography 1004(2003)131

**Fuzzy logic**

New approach based on fuzzy logic and principal component analysis for the classification of two-dimensional maps in health and disease. Application to lymphomas 1004(2003)13

**Galactose**

Capillary electrophoresis with laser-induced fluorescence detection for laboratory diagnosis of galactosemia 1004(2003)29

**Galactosemia**

Capillary electrophoresis with laser-induced fluorescence detection for laboratory diagnosis of galactosemia 1004(2003)29

**Globulins**

Structural and conformational variants of human  $\beta_2$ -microglobulin characterized by capillary electrophoresis and complementary separation methods 1004(2003)51

**Glufosinate**

Analysis of glyphosate and glufosinate by capillary electrophoresis–mass spectrometry utilising a sheathless microelectrospray interface 1004(2003)107

**Glutamine**

Determination of glutamine and serine in rat cerebrospinal fluid using capillary electrochromatography with a modified photopolymerized sol–gel monolithic column 1004(2003)209

**Glycoproteins**

Improved capillary electrophoretic separation and mass spectrometric detection of oligosaccharides 1004(2003)121

**Glyphosate**

Analysis of glyphosate and glufosinate by capillary electrophoresis–mass spectrometry utilising a sheathless microelectrospray interface 1004(2003)107

**Hydrodynamic flow**

Separation of mixtures of acidic and basic peptides at neutral pH 1004(2003)61

**Hydroxyethylpiperazine-ethanesulfonic acid**

Simple coating of capillaries with anionic liposomes in capillary electrophoresis 1004(2003)81

**Injection methods**

Rapid serial analysis of multiple oligonucleotide samples on a microchip using optically-gated injection 1004(2003)217

**Instrumentation**

Analysis of glyphosate and glufosinate by capillary electrophoresis–mass spectrometry utilising a sheathless microelectrospray interface 1004(2003)107

Comparison of the performance characteristics of poly(dimethylsiloxane) and Pyrex microchip electrophoresis devices for peptide separations 1004(2003)225

**Interfaces, CE–MS**

Analysis of glyphosate and glufosinate by capillary electrophoresis–mass spectrometry utilising a sheathless microelectrospray interface 1004(2003)107

**Ionisation constants**

Determination of  $pK_a$  values of organic bases in aqueous acetonitrile solutions using capillary electrophoresis 1004(2003)71

**Keppra**

Analysis of the antiepileptic drug keppra by capillary electrophoresis 1004(2003)9

**Levetiracetam**

Analysis of the antiepileptic drug keppra by capillary electrophoresis 1004(2003)9

**Linear discriminant analysis**

New approach based on fuzzy logic and principal component analysis for the classification of two-dimensional maps in health and disease. Application to lymphomas 1004(2003)13

**Linear solvation energy relationships**

Study of solute partitioning into cationic vesicles of dihexadecyldimethylammonium bromide using electrokinetic chromatography 1004(2003)145

**Liposomes**

Evaluation of liposomal delivery of antisense oligonucleotide by capillary electrophoresis with laser-induced fluorescence detection 1004(2003)39

Simple coating of capillaries with anionic liposomes in capillary electrophoresis 1004(2003)81

**Matrix effects**

Migration time and peak area artifacts caused by systemic effects in voltage controlled capillary electrophoresis 1004(2003)91

**Methylphosphinicpropionic acid**

Analysis of glyphosate and glufosinate by capillary electrophoresis–mass spectrometry utilising a sheathless microelectrospray interface 1004(2003)107

**Microfluidics**

Comparison of the performance characteristics of poly(dimethylsiloxane) and Pyrex microchip electrophoresis devices for peptide separations 1004(2003)225

**Microglobulins**

Structural and conformational variants of human  $\beta_2$ -microglobulin characterized by capillary electrophoresis and complementary separation methods 1004(2003)51

**Migration time**

Migration time and peak area artifacts caused by systemic effects in voltage controlled capillary electrophoresis 1004(2003)91

**Mixed-mode electrochromatography**

Investigation of mixed-mode monolithic stationary phases for the analysis of charged amino acids and peptides by capillary electrochromatography 1004(2003)195

**Monolithic columns**

Butyl acrylate porous polymer monoliths in fused-silica capillaries for use in capillary electrochromatography 1004(2003)155

Protein separation by monolithic capillary electrochromatography 1004(2003)167

Investigation of mixed-mode monolithic stationary phases for the analysis of charged amino acids and peptides by capillary electrochromatography 1004(2003)195

Determination of glutamine and serine in rat cerebrospinal fluid using capillary electrochromatography with a modified photopolymerized sol–gel monolithic column 1004(2003)209

**Nucleotides**

Handling and detection of 25 amol of near-infrared dye deoxynucleotide conjugates by capillary electrophoresis with laser-induced fluorescence detection 1004(2003)47

**Oligonucleotides**

Evaluation of liposomal delivery of antisense oligonucleotide by capillary electrophoresis with laser-induced fluorescence detection 1004(2003)39

Rapid serial analysis of multiple oligonucleotide samples on a microchip using optically-gated injection 1004(2003)217

**Oligosaccharides**

Improved capillary electrophoretic separation and mass spectrometric detection of oligosaccharides 1004(2003)121

**Optical gating**

Rapid serial analysis of multiple oligonucleotide samples on a microchip using optically-gated injection 1004(2003)217

**Organic bases**

Determination of  $pK_a$  values of organic bases in aqueous acetonitrile solutions using capillary electrophoresis 1004(2003)71

**Partial filling**

Migration time and peak area artifacts caused by systemic effects in voltage controlled capillary electrophoresis 1004(2003)91

**Partition coefficients**

Assessing the separation of neutral plant secondary metabolites by micellar electrokinetic chromatography 1004(2003)131

**Peak area**

Migration time and peak area artifacts caused by systemic effects in voltage controlled capillary electrophoresis 1004(2003)91

**Peptides**

Separation of mixtures of acidic and basic peptides at neutral pH 1004(2003)61

Investigation of mixed-mode monolithic stationary phases for the analysis of charged amino acids and peptides by capillary electrochromatography 1004(2003)195

Comparison of the performance characteristics of poly(dimethylsiloxane) and Pyrex microchip electrophoresis devices for peptide separations 1004(2003)225

**Pesticides**

Analysis of glyphosate and glufosinate by capillary electrophoresis–mass spectrometry utilising a sheathless microelectrospray interface 1004(2003)107

**Pharmaceutical analysis**

Analysis of the antiepileptic drug keppra by capillary electrophoresis 1004(2003)9

**Phospholipids**

Simple coating of capillaries with anionic liposomes in capillary electrophoresis 1004(2003)81

**Poly(dimethylsiloxane)**

Comparison of the performance characteristics of poly(dimethylsiloxane) and Pyrex microchip electrophoresis devices for peptide separations 1004(2003)225

**Polynuclear aromatic hydrocarbons**

Butyl acrylate porous polymer monoliths in fused-silica capillaries for use in capillary electrochromatography 1004(2003)155

**Principal component analysis**

New approach based on fuzzy logic and principal component analysis for the classification of two-dimensional maps in health and disease. Application to lymphomas 1004(2003)13

**Propanolol**

Migration time and peak area artifacts caused by systemic effects in voltage controlled capillary electrophoresis 1004(2003)91

**Proteins**

Improved capillary electrophoretic separation and mass spectrometric detection of oligosaccharides 1004(2003)121

Protein separation by monolithic capillary electrochromatography 1004(2003)167

Structural and conformational variants of human  $\beta_2$ -microglobulin characterized by capillary electrophoresis and complementary separation methods 1004(2003)51

**Proteomics**

New approach based on fuzzy logic and principal component analysis for the classification of two-dimensional maps in health and disease. Application to lymphomas 1004(2003)13

**Pseudo-stationary phases**

Study of solute partitioning into cationic vesicles of dihexadecyldimethylammonium bromide using electrokinetic chromatography 1004(2003)145

**Pyrex**

Comparison of the performance characteristics of poly(dimethylsiloxane) and Pyrex microchip electrophoresis devices for peptide separations 1004(2003)225

**Reproducibility**

Migration time and peak area artifacts caused by systemic effects in voltage controlled capillary electrophoresis 1004(2003)91

**Saccharides**

2-Amino-3-phenylpyrazine, a sensitive fluorescence prelabeling reagent for the chromatographic or electrophoretic determination of saccharides 1004(2003)99

**Serine**

Determination of glutamine and serine in rat cerebrospinal fluid using capillary electrochromatography with a modified photopolymerized sol-gel monolithic column 1004(2003)209

**Sol-gel**

Determination of glutamine and serine in rat cerebrospinal fluid using capillary electrochromatography with a modified photopolymerized sol-gel monolithic column 1004(2003)209

**Stationary phases, electrochromatography**

Butyl acrylate porous polymer monoliths in fused-silica capillaries for use in capillary electrochromatography 1004(2003)155

Alkylthiol gold nanoparticles in open-tubular capillary electrochromatography 1004(2003)181

Investigation of mixed-mode monolithic stationary phases for the analysis of charged amino acids and peptides by capillary electrochromatography 1004(2003)195

**Terpenes**

Assessing the separation of neutral plant secondary metabolites by micellar electrokinetic chromatography 1004(2003)131

**Voltage stabilization**

Migration time and peak area artifacts caused by systemic effects in voltage controlled capillary electrophoresis 1004(2003)91