

## Subject Index Vol. 1064

### Adsorbed layer

Reversed-phase high-performance liquid chromatography behavior of chaotropic counteranions 1064(2005)9

### Adsorption

Theory of chromatographic separation of linear and star-shaped binary block-copolymers 1064(2005)169

### Affinity chromatography

An artificial protein L for the purification of immunoglobulins and Fab fragments by affinity chromatography 1064(2005)157

### Analysis

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC–UV/MS and GPC–HPLC–UV 1064(2005)39

### Azo dyes

Subcritical water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples 1064(2005)135

### Base stacking

On-channel base stacking in microchip capillary gel electrophoresis for high-sensitivity DNA fragment analysis 1064(2005)121

### Beer

Determination of low-molecular-mass organic acids in any type of beer samples by coelectroosmotic capillary electrophoresis 1064(2005)115

### Binary block-copolymers

Theory of chromatographic separation of linear and star-shaped binary block-copolymers 1064(2005)169

### Biomimetic

An artificial protein L for the purification of immunoglobulins and Fab fragments by affinity chromatography 1064(2005)157

### Campesterol

Separation of phytosterol oxidation products by combination of different polarity gas chromatography capillary columns 1064(2005)213

### Capillary electrochromatography

Stepwise gradient of buffer concentration for capillary electrochromatography of peptides on sulfonated naphthalimido-modified silyl silica gel 1064(2005)255

### Capillary electrophoresis

Automated analysis of individual particles using a commercial capillary electrophoresis system 1064(2005)107

Analytical study of Joule heating effects on electrokinetic transportation in capillary electrophoresis 1064(2005)227

### Capillary liquid chromatography

Application of a high-pressure electro-osmotic pump using nanometer silica in capillary liquid chromatography 1064(2005)19

### Carboxyl groups

Magnetic hydrophilic methacrylate-based polymer microspheres for genomic DNA isolation 1064(2005)247

### Carotenoids

Isolation and purification of the bioactive carotenoid zeaxanthin from the microalga *Microcystis aeruginosa* by high-speed counter-current chromatography 1064(2005)183

### CG/pyrolyse/MS

Towards gas chromatography–mass spectrometry coupling protocols for both identifying and quantification essential oils of *Thymus capitatus* Hoff et Link 1064(2005)129

### Chaotropic counteranions

Reversed-phase high-performance liquid chromatography behavior of chaotropic counteranions 1064(2005)9

### Chelated iron

Gradient ion-pair chromatographic method for the determination of iron *N,N'*-ethylenediamine-di-(2-hydroxy-5-sulfophenylacetate) by high performance liquid chromatography–atmospheric pressure ionization electrospray mass spectrometry 1064(2005)67

### Chip technology

On-channel base stacking in microchip capillary gel electrophoresis for high-sensitivity DNA fragment analysis 1064(2005)121

### Chiral polymer

New hybrid polymeric liquid chromatography chiral stationary phase prepared by surface-initiated polymerization 1064(2005)25

### Chiral stationary phase

New hybrid polymeric liquid chromatography chiral stationary phase prepared by surface-initiated polymerization 1064(2005)25

### Chloro-bromoanisoles

Determination of odorous mixed chloro-bromoanisoles in water by solid-phase micro-extraction and gas chromatography–mass detection 1064(2005)97

### Chloro-s-triazines

Determination of chloro-s-triazines including didealkyltriazine using solid-phase extraction coupled with gas chromatography–mass spectrometry 1064(2005)219

### Citrus

Determination of limonoate and nomilonoate A-ring lactones in citrus juices by liquid chromatography–electrospray ionization mass spectrometry 1064(2005)187

**Coelectroosmotic capillary electrophoresis**

Determination of low-molecular-mass organic acids in any type of beer samples by coelectroosmotic capillary electrophoresis 1064(2005)115

**Column polarity**

Separation of phytosterol oxidation products by combination of different polarity gas chromatography capillary columns 1064(2005)213

**Combinatorial peptide library**

Screening of inhibitors for influenza A virus using high-performance affinity chromatography and combinatorial peptide libraries 1064(2005)59

**Concentration on-channel**

On-channel base stacking in microchip capillary gel electrophoresis for high-sensitivity DNA fragment analysis 1064(2005)121

**Counter-current chromatography**

Preparative isolation and purification of three flavonoids from the Chinese medicinal plant *Epimedium koreanum* Nakai by high-speed counter-current chromatography 1064(2005)53

Isolation and purification of the bioactive carotenoid zeaxanthin from the microalga *Microcystis aeruginosa* by high-speed counter-current chromatography 1064(2005)183

**Coupled columns**

Separation of phytosterol oxidation products by combination of different polarity gas chromatography capillary columns 1064(2005)213

**Critical interaction**

Theory of chromatographic separation of linear and star-shaped binary block-copolymers 1064(2005)169

**DNA**

On-channel base stacking in microchip capillary gel electrophoresis for high-sensitivity DNA fragment analysis 1064(2005)121

**DNA adsorption**

Magnetic hydrophilic methacrylate-based polymer microspheres for genomic DNA isolation 1064(2005)247

**Dynamic sonication-assisted solvent extraction**

Subcritical water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples 1064(2005)135

**EDDHA/Fe<sup>3+</sup>**

Gradient ion-pair chromatographic method for the determination of iron *N,N'*-ethylenediamine-di-(2-hydroxy-5-sulfohenylacetate) by high performance liquid chromatography-atmospheric pressure ionization electrospray mass spectrometry 1064(2005)67

**Electrokinetic transportation**

Analytical study of Joule heating effects on electrokinetic transportation in capillary electrophoresis 1064(2005)227

**Electro-osmotic pump**

Application of a high-pressure electro-osmotic pump using nanometer silica in capillary liquid chromatography 1064(2005)19

**Enantioselectivity**

New hybrid polymeric liquid chromatography chiral stationary phase prepared by surface-initiated polymerization 1064(2005)25

***Epimedium koreanum* Nakai**

Preparative isolation and purification of three flavonoids from the Chinese medicinal plant *Epimedium koreanum* Nakai by high-speed counter-current chromatography 1064(2005)53

***Epimedium koreanum* I**

Preparative isolation and purification of three flavonoids from the Chinese medicinal plant *Epimedium koreanum* Nakai by high-speed counter-current chromatography 1064(2005)53

**Equilibration**

High speed gradient elution reversed-phase liquid chromatography 1064(2005)143

**Essential oil quantification**

Towards gas chromatography-mass spectrometry coupling protocols for both identifying and quantification essential oils of *Thymus capitatus* Hoff et Link 1064(2005)129

**Ethylene dimethacrylate**

Magnetic hydrophilic methacrylate-based polymer microspheres for genomic DNA isolation 1064(2005)247

***N,N'*-Ethylenediamine-di-(2-hydroxy-5-sulfohenylacetic acid)**

Gradient ion-pair chromatographic method for the determination of iron *N,N'*-ethylenediamine-di-(2-hydroxy-5-sulfohenylacetate) by high performance liquid chromatography-atmospheric pressure ionization electrospray mass spectrometry 1064(2005)67

**Fertilizers**

Gradient ion-pair chromatographic method for the determination of iron *N,N'*-ethylenediamine-di-(2-hydroxy-5-sulfohenylacetate) by high performance liquid chromatography-atmospheric pressure ionization electrospray mass spectrometry 1064(2005)67

**Flame ionisation detection**

Towards gas chromatography-mass spectrometry coupling protocols for both identifying and quantification essential oils of *Thymus capitatus* Hoff et Link 1064(2005)129

**Flame retardant additives**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC-UV/MS and GPC-HPLC-UV 1064(2005)39

**Fluorescence detection**

Automated analysis of individual particles using a commercial capillary electrophoresis system 1064(2005)107

**Fluorescent whitening agents**

Subcritical water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples 1064(2005)135

**Flush-out volume**

High speed gradient elution reversed-phase liquid chromatography 1064(2005)143

**Food analysis**

Profiling flavor compounds of potato crisps during storage using solid-phase microextraction 1064(2005)239

**Food safety**

Subcritical water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples 1064(2005)135

**Gas chromatography**

Thermodynamic study of *N*-trifluoroacetyl-*O*-alkyl nipectic acid ester enantiomers on diluted permethylated  $\beta$ -cyclodextrin stationary phase 1064(2005)193

**Gas chromatography–mass spectrometry**

Determination of odorous mixed chloro-bromoanisoles in water by solid-phase micro-extraction and gas chromatography–mass detection 1064(2005)97

Determination of chloro-*s*-triazines including didealkyltriazine using solid-phase extraction coupled with gas chromatography–mass spectrometry 1064(2005)219

**GC–MS**

Determination of organotin compounds in water by headspace solid phase microextraction with gas chromatography–mass spectrometry 1064(2005)1

**Glycidyl methacrylate**

Magnetic hydrophilic methacrylate-based polymer microspheres for genomic DNA isolation 1064(2005)247

**GPC–HPLC**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC–UV/MS and GPC–HPLC–UV 1064(2005)39

**Gradient elution**

High speed gradient elution reversed-phase liquid chromatography 1064(2005)143

**Headspace solid-phase microextraction**

Determination of organotin compounds in water by headspace solid phase microextraction with gas chromatography–mass spectrometry 1064(2005)1

Determination of odorous mixed chloro-bromoanisoles in water by solid-phase micro-extraction and gas chromatography–mass detection 1064(2005)97

**Heteroarm stars**

Theory of chromatographic separation of linear and star-shaped binary block-copolymers 1064(2005)169

**High-performance affinity chromatography**

Screening of inhibitors for influenza A virus using high-performance affinity chromatography and combinatorial peptide libraries 1064(2005)59

**HPLC**

New hybrid polymeric liquid chromatography chiral stationary phase prepared by surface-initiated polymerization 1064(2005)25

**HPLC/APIES-MS**

Gradient ion-pair chromatographic method for the determination of iron *N,N'*-ethylenediamine-di-(2-hydroxy-5-sulfohenylacetate) by high performance liquid chromatography–atmospheric pressure ionization electrospray mass spectrometry 1064(2005)67

**HPLC–APCI–MS**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC–UV/MS and GPC–HPLC–UV 1064(2005)39

**Hybrid-CSP**

New hybrid polymeric liquid chromatography chiral stationary phase prepared by surface-initiated polymerization 1064(2005)25

**2-Hydroxyethyl methacrylate**

Magnetic hydrophilic methacrylate-based polymer microspheres for genomic DNA isolation 1064(2005)247

**Icariin**

Preparative isolation and purification of three flavonoids from the Chinese medicinal plant *Epimedium koreanum* Nakai by high-speed counter-current chromatography 1064(2005)53

**Icariside II**

Preparative isolation and purification of three flavonoids from the Chinese medicinal plant *Epimedium koreanum* Nakai by high-speed counter-current chromatography 1064(2005)53

**Immobilised artificial membranes**

Immobilised artificial membrane chromatography coupled with molecular probing 1064(2005)75

**Immunoglobulins**

An artificial protein L for the purification of immunoglobulins and Fab fragments by affinity chromatography 1064(2005)157

**Individual particle analysis**

Automated analysis of individual particles using a commercial capillary electrophoresis system 1064(2005)107

**Influenza A virus**

Screening of inhibitors for influenza A virus using high-performance affinity chromatography and combinatorial peptide libraries 1064(2005)59

**Inhibitor**

Screening of inhibitors for influenza A virus using high-performance affinity chromatography and combinatorial peptide libraries 1064(2005)59

**Joule heating**

Analytical study of Joule heating effects on electrokinetic transportation in capillary electrophoresis 1064(2005)227

**Juice analysis**

Determination of limonoate and nomilinoate A-ring lactones in citrus juices by liquid chromatography–electrospray ionization mass spectrometry 1064(2005)187

**Latex microspheres**

Automated analysis of individual particles using a commercial capillary electrophoresis system 1064(2005)107

**Ligands**

An artificial protein L for the purification of immunoglobulins and Fab fragments by affinity chromatography 1064(2005)157

**Limonoids**

Determination of limonoate and nomilinoate A-ring lactones in citrus juices by liquid chromatography–electrospray ionization mass spectrometry 1064(2005)187

**Lipid oxidation**

Profiling flavor compounds of potato crisps during storage using solid-phase microextraction 1064(2005)239

**Lipid–calcium interactions**

Immobilised artificial membrane chromatography coupled with molecular probing 1064(2005)75

**Lipophilic polymer**

Normal phase high performance liquid chromatography for determination of paclitaxel incorporated in a lipophilic polymer matrix 1064(2005)85

**Liquid chromatography**

Theory of chromatographic separation of linear and star-shaped binary block-copolymers 1064(2005)169

**Magnetic and non-magnetic microspheres**

Magnetic hydrophilic methacrylate-based polymer microspheres for genomic DNA isolation 1064(2005)247

**Membrane probes**

Immobilised artificial membrane chromatography coupled with molecular probing 1064(2005)75

***Microcystis aeruginosa***

Isolation and purification of the bioactive carotenoid zeaxanthin from the microalga *Microcystis aeruginosa* by high-speed counter-current chromatography 1064(2005)183

**Nanochannel**

Application of a high-pressure electro-osmotic pump using nanometer silica in capillary liquid chromatography 1064(2005)19

**Nanometer silica**

Application of a high-pressure electro-osmotic pump using nanometer silica in capillary liquid chromatography 1064(2005)19

**Nipecotic acid**

Thermodynamic study of *N*-trifluoroacetyl-*O*-alkyl nipecotic acid ester enantiomers on diluted permethylated  $\beta$ -cyclodextrin stationary phase 1064(2005)193

**Normal phase HPLC**

Normal phase high performance liquid chromatography for determination of paclitaxel incorporated in a lipophilic polymer matrix 1064(2005)85

**Odor**

Determination of odorous mixed chloro-bromoanisoles in water by solid-phase micro-extraction and gas chromatography-mass detection 1064(2005)97

**Organic acids**

Determination of low-molecular-mass organic acids in any type of beer samples by coelectroosmotic capillary electrophoresis 1064(2005)115

**Organotins**

Determination of organotin compounds in water by headspace solid phase microextraction with gas chromatography-mass spectrometry 1064(2005)1

**Paclitaxel**

Normal phase high performance liquid chromatography for determination of paclitaxel incorporated in a lipophilic polymer matrix 1064(2005)85

**Paper analysis**

Subcritical water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples 1064(2005)135

**PBB**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC-UV/MS and GPC-HPLC-UV 1064(2005)39

**PBDE**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC-UV/MS and GPC-HPLC-UV 1064(2005)39

**Peptides**

Stepwise gradient of buffer concentration for capillary electrochromatography of peptides on sulfonated naphthalimido-modified silyl silica gel 1064(2005)255

**Permethylated  $\beta$ -cyclodextrin**

Thermodynamic study of *N*-trifluoroacetyl-*O*-alkyl nipecotic acid ester enantiomers on diluted permethylated  $\beta$ -cyclodextrin stationary phase 1064(2005)193

**Phosphatidylcholine**

Immobilised artificial membrane chromatography coupled with molecular probing 1064(2005)75

**Phytosterol oxidation products**

Separation of phytosterol oxidation products by combination of different polarity gas chromatography capillary columns 1064(2005)213

**Polymer formulation**

Normal phase high performance liquid chromatography for determination of paclitaxel incorporated in a lipophilic polymer matrix 1064(2005)85

**Polymers**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC-UV/MS and GPC-HPLC-UV 1064(2005)39

**Polynuclear aromatic hydrocarbons**

Development of an improved analytical method for the determination of carcinogenic polycyclic aromatic hydrocarbons in transformer oil 1064(2005)205

**Potato crisps**

Profiling flavor compounds of potato crisps during storage using solid-phase microextraction 1064(2005)239

**Preparative chromatography**

Isolation and purification of the bioactive carotenoid zeaxanthin from the microalga *Microcystis aeruginosa* by high-speed counter-current chromatography 1064(2005)183

**Protein L**

An artificial protein L for the purification of immunoglobulins and Fab fragments by affinity chromatography 1064(2005)157

**Pump**

Application of a high-pressure electro-osmotic pump using nanometer silica in capillary liquid chromatography 1064(2005)19

**Quadripole ion trap mass spectrometry**

Towards gas chromatography-mass spectrometry coupling protocols for both identifying and quantification essential oils of *Thymus capitatus* Hoff et Link 1064(2005)129

**Quadripole mass spectrometry**

Towards gas chromatography-mass spectrometry coupling protocols for both identifying and quantification essential oils of *Thymus capitatus* Hoff et Link 1064(2005)129

**Response coefficients**

Towards gas chromatography-mass spectrometry coupling protocols for both identifying and quantification essential oils of *Thymus capitatus* Hoff et Link 1064(2005)129

**Retention increment method**

Thermodynamic study of *N*-trifluoroacetyl-*O*-alkyl nipecotic acid ester enantiomers on diluted permethylated  $\beta$ -cyclodextrin stationary phase 1064(2005)193

**Retention mechanism**

Reversed-phase high-performance liquid chromatography behavior of chaotic counteranions 1064(2005)9

**Reversed-phase HPLC**

Reversed-phase high-performance liquid chromatography behavior of chaotropic counteranions 1064(2005)9

**Ricinoleic acid**

Normal phase high performance liquid chromatography for determination of paclitaxel incorporated in a lipophilic polymer matrix 1064(2005)85

**RoHS**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC–UV/MS and GPC–HPLC–UV 1064(2005)39

**Salt effect**

Reversed-phase high-performance liquid chromatography behavior of chaotropic counteranions 1064(2005)9

**Screening**

Screening of inhibitors for influenza A virus using high-performance affinity chromatography and combinatorial peptide libraries 1064(2005)59

**Sea water**

Determination of organotin compounds in water by headspace solid phase microextraction with gas chromatography–mass spectrometry 1064(2005)1

**Sitosterol**

Separation of phytosterol oxidation products by combination of different polarity gas chromatography capillary columns 1064(2005)213

**Size-exclusion**

Theory of chromatographic separation of linear and star-shaped binary block-copolymers 1064(2005)169

**Solid-phase extraction**

Determination of limonoate and nomilinoate A-ring lactones in citrus juices by liquid chromatography–electrospray ionization mass spectrometry 1064(2005)187

Development of an improved analytical method for the determination of carcinogenic polycyclic aromatic hydrocarbons in transformer oil 1064(2005)205

Determination of chloro-*s*-triazines including didealkyltriazine using solid-phase extraction coupled with gas chromatography–mass spectrometry 1064(2005)219

**Solid-phase microextraction**

Profiling flavor compounds of potato crisps during storage using solid-phase microextraction 1064(2005)239

**Speed**

High speed gradient elution reversed-phase liquid chromatography 1064(2005)143

**Stacking**

On-channel base stacking in microchip capillary gel electrophoresis for high-sensitivity DNA fragment analysis 1064(2005)121

**Stepwise gradient**

Stepwise gradient of buffer concentration for capillary electrochromatography of peptides on sulfonated naphthalimido-modified silyl silica gel 1064(2005)255

**Stigmasterol**

Separation of phytosterol oxidation products by combination of different polarity gas chromatography capillary columns 1064(2005)213

**Subcritical water extraction**

Subcritical water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples 1064(2005)135

**3-(4-Sulfo-1,8-naphthalimido)propyl-modified silyl silica gel**

Stepwise gradient of buffer concentration for capillary electrochromatography of peptides on sulfonated naphthalimido-modified silyl silica gel 1064(2005)255

**Theory**

Theory of chromatographic separation of linear and star-shaped binary block-copolymers 1064(2005)169

**Thermodynamic parameters**

Immobilised artificial membrane chromatography coupled with molecular probing 1064(2005)75

Thermodynamic study of *N*-trifluoroacetyl-*O*-alkyl nipecotic acid ester enantiomers on diluted permethylated  $\beta$ -cyclodextrin stationary phase 1064(2005)193

***Thymus capitatus* Hoff et Link**

Towards gas chromatography–mass spectrometry coupling protocols for both identifying and quantification essential oils of *Thymus capitatus* Hoff et Link 1064(2005)129

**Total parenteral nutrition**

Immobilised artificial membrane chromatography coupled with molecular probing 1064(2005)75

**Transformer oil**

Development of an improved analytical method for the determination of carcinogenic polycyclic aromatic hydrocarbons in transformer oil 1064(2005)205

**Volatile organic compounds**

Profiling flavor compounds of potato crisps during storage using solid-phase microextraction 1064(2005)239

**Water analysis**

Determination of odorous mixed chloro-bromoanisoles in water by solid-phase micro-extraction and gas chromatography–mass detection 1064(2005)97

**WEEE**

Analysis of flame retardant additives in polymer fractions of waste of electric and electronic equipment (WEEE) by means of HPLC–UV/MS and GPC–HPLC–UV 1064(2005)39

**Zeaxanthin**

Isolation and purification of the bioactive carotenoid zeaxanthin from the microalga *Microcystis aeruginosa* by high-speed counter-current chromatography 1064(2005)183