

Subject Index Vol. 1006

Adsorbents

Mixed-matrix membrane adsorbents for protein separation
1006(2003)171

Adsorption

Concentration dependence of lumped mass transfer coefficients.
Linear versus non-linear chromatography and isocratic versus
gradient operation 1006(2003)61

Optimization of experimental conditions for the preparative
displacement chromatography of antitumor anthracycline
antibiotics on carboxylic sorbents 1006(2003)121

Effect of the concentration of ionogenic groups in the sorbent
on the separation of protein mixtures 1006(2003)185

Chromatographic performance of monolithic and particulate
stationary phases. Hydrodynamics and adsorption capacity
1006(2003)207

Mass transfer effects in preparative chromatography of
eremomycin on polymeric sorbents 1006(2003)251

Evaluation of the thermodynamic parameters for the adsorption
of some hydrocarbons on alumina and molecular sieves 3A and
5A by inverse gas chromatography 1006(2003)281

Adsorption isotherms

Modelling gradient elution of bioactive multicomponent systems
in non-linear ion-exchange chromatography 1006(2003)101

Affinity adsorbents

Process development in affinity separation of glycoconjugates
with lectins as ligands 1006(2003)127

Albumin

Mixed-matrix membrane adsorbents for protein separation
1006(2003)171

Alumina

Evaluation of the thermodynamic parameters for the adsorption
of some hydrocarbons on alumina and molecular sieves 3A and
5A by inverse gas chromatography 1006(2003)281

Anion exchangers

Comparison between mass transfer properties of weak-anion-
exchange resins with graft-functionalized polymer layers and
traditional ungrafted resins 1006(2003)229

Anthracyclines

Optimization of experimental conditions for the preparative
displacement chromatography of antitumor anthracycline
antibiotics on carboxylic sorbents 1006(2003)121

Antibiotics

Optimization of experimental conditions for the preparative
displacement chromatography of antitumor anthracycline
antibiotics on carboxylic sorbents 1006(2003)121

Mass transfer effects in preparative chromatography of
eremomycin on polymeric sorbents 1006(2003)251

Axial flow chromatography

Converging flow chromatography in constant-pressure mode
1006(2003)149

Benzene

Evaluation of the thermodynamic parameters for the adsorption
of some hydrocarbons on alumina and molecular sieves 3A and
5A by inverse gas chromatography 1006(2003)281

Breakthrough curves

Comparison between mass transfer properties of weak-anion-
exchange resins with graft-functionalized polymer layers and
traditional ungrafted resins 1006(2003)229

Carminomycin

Optimization of experimental conditions for the preparative
displacement chromatography of antitumor anthracycline
antibiotics on carboxylic sorbents 1006(2003)121

Catalysts

Polymer/carrier composites as materials and reactors for organic
synthesis 1006(2003)241

Column geometry

Converging flow chromatography in constant-pressure mode
1006(2003)149

Column packing

Efficiency of preparative and process column distribution systems 1006(2003)45

Computer simulation

Design of simulated moving bed and Varicol processes for preparative separations with a low number of columns 1006(2003)33

Converging flow chromatography

Converging flow chromatography in constant-pressure mode 1006(2003)149

Cyclic modulation

Simulated moving bed process with cyclic modulation of the feed concentration 1006(2003)77

Cyclohexane

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281

Dispersion

Chromatographic performance of monolithic and particulate stationary phases. Hydrodynamics and adsorption capacity 1006(2003)207

Displacement chromatography

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Distribution system

Efficiency of preparative and process column distribution systems 1006(2003)45

Doxorubicin

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Efficiency

Efficiency of preparative and process column distribution systems 1006(2003)45

Enantiomer separation

Design of simulated moving bed and Varicol processes for preparative separations with a low number of columns 1006(2003)33

PowerFeed operation of simulated moving bed units: changing flow-rates during the switching interval 1006(2003)87

Batch and simulated moving bed chromatographic resolution of a pharmaceutical racemate 1006(2003)267

Eremomycin

Mass transfer effects in preparative chromatography of eremomycin on polymeric sorbents 1006(2003)251

Expanded bed chromatography

Concentration and purification of orotic acid directly from whey with an expanded bed adsorption system 1006(2003)261

Feed concentration gradient

Simulated moving bed process with cyclic modulation of the feed concentration 1006(2003)77

Flow rate

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Flow rates

PowerFeed operation of simulated moving bed units: changing flow-rates during the switching interval 1006(2003)87

Glycidylmethacrylate

Comparison between mass transfer properties of weak-anion-exchange resins with graft-functionalized polymer layers and traditional ungrafted resins 1006(2003)229

Glycoconjugates

Process development in affinity separation of glycoconjugates with lectins as ligands 1006(2003)127

Gradient elution

Concentration dependence of lumped mass transfer coefficients. Linear versus non-linear chromatography and isocratic versus gradient operation 1006(2003)61

Modelling gradient elution of bioactive multicomponent systems in non-linear ion-exchange chromatography 1006(2003)101

Transfer of gradient chromatographic methods for protein separation to Convective Interaction Media monolithic columns 1006(2003)195

Grafting

Comparison between mass transfer properties of weak-anion-exchange resins with graft-functionalized polymer layers and traditional ungrafted resins 1006(2003)229

Heat of adsorption

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281

Hemoglobins

Mixed-matrix membrane adsorbents for protein separation 1006(2003)171

Hexane

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281

Horner–Emmons olefination

Polymer/carrier composites as materials and reactors for organic synthesis 1006(2003)241

Hydrocarbons

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281

Hydrodynamic

Chromatographic performance of monolithic and particulate stationary phases. Hydrodynamics and adsorption capacity 1006(2003)207

Hydrophobic interaction chromatography

Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. Using and relating two different models for describing the effect of salt and temperature on retention 1006(2003)137

Instrumentation

Converging flow chromatography in constant-pressure mode 1006(2003)149

Inverse gas chromatography

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281

Ion exchangers

Mixed-matrix membrane adsorbents for protein separation 1006(2003)171

Effect of the concentration of ionogenic groups in the sorbent on the separation of protein mixtures 1006(2003)185

Ion-exchange chromatography

Modelling gradient elution of bioactive multicomponent systems in non-linear ion-exchange chromatography 1006(2003)101

Kinetic studies

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Mass transfer effects in preparative chromatography of eremomycin on polymeric sorbents 1006(2003)251

Lectins

Process development in affinity separation of glycoconjugates with lectins as ligands 1006(2003)127

Mass transfer

Concentration dependence of lumped mass transfer coefficients. Linear versus non-linear chromatography and isocratic versus gradient operation 1006(2003)61

Comparison between mass transfer properties of weak-anion-exchange resins with graft-functionalized polymer layers and traditional ungrafted resins 1006(2003)229

Mass transfer effects in preparative chromatography of eremomycin on polymeric sorbents 1006(2003)251

Mathematical modelling

Optimization of simulated moving bed and *Varicol* processes 1006(2003)15

Efficiency of preparative and process column distribution systems 1006(2003)45

Concentration dependence of lumped mass transfer coefficients. Linear versus non-linear chromatography and isocratic versus gradient operation 1006(2003)61

PowerFeed operation of simulated moving bed units: changing flow-rates during the switching interval 1006(2003)87

Modelling gradient elution of bioactive multicomponent systems in non-linear ion-exchange chromatography 1006(2003)101

Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. Using and relating two different models for describing the effect of salt and temperature on retention 1006(2003)137

Membranes

Mixed-matrix membrane adsorbents for protein separation 1006(2003)171

Model-based control

Optimal operation of simulated moving bed chromatographic processes by means of simple feedback control 1006(2003)3

Molecular sieves

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281

Monolithic columns

Transfer of gradient chromatographic methods for protein separation to Convective Interaction Media monolithic columns 1006(2003)195

Chromatographic performance of monolithic and particulate stationary phases. Hydrodynamics and adsorption capacity 1006(2003)207

Monolithic polymer/carrier microreactor

Polymer/carrier composites as materials and reactors for organic synthesis 1006(2003)241

Nonlinear wave propagation

Optimal operation of simulated moving bed chromatographic processes by means of simple feedback control 1006(2003)3

Non-linear chromatography

Concentration dependence of lumped mass transfer coefficients. Linear versus non-linear chromatography and isocratic versus gradient operation 1006(2003)61

Modelling gradient elution of bioactive multicomponent systems in non-linear ion-exchange chromatography 1006(2003)101

Oligonucleotides

Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. Using and relating two different models for describing the effect of salt and temperature on retention 1006(2003)137

Optimization

Optimal operation of simulated moving bed chromatographic processes by means of simple feedback control 1006(2003)3

Optimization of simulated moving bed and *Varicol* processes 1006(2003)15

PowerFeed operation of simulated moving bed units: changing flow-rates during the switching interval 1006(2003)87

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Orotic acid

Concentration and purification of orotic acid directly from whey with an expanded bed adsorption system 1006(2003)261

Packed columns

Chromatographic performance of monolithic and particulate stationary phases. Hydrodynamics and adsorption capacity 1006(2003)207

Permeability

Chromatographic performance of monolithic and particulate stationary phases. Hydrodynamics and adsorption capacity 1006(2003)207

pH effects

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Pharmaceutical analysis

Batch and simulated moving bed chromatographic resolution of a pharmaceutical racemate 1006(2003)267

Polymer-supported reagents

Polymer/carrier composites as materials and reactors for organic synthesis 1006(2003)241

PowerFeed process

PowerFeed operation of simulated moving bed units: changing flow-rates during the switching interval 1006(2003)87

Preferential interaction analysis

Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. Using and relating two different models for describing the effect of salt and temperature on retention 1006(2003)137

Preparative chromatography

Optimal operation of simulated moving bed chromatographic processes by means of simple feedback control 1006(2003)3

Optimization of simulated moving bed and *Varicol* processes 1006(2003)15

Design of simulated moving bed and *Varicol* processes for preparative separations with a low number of columns 1006(2003)33

Efficiency of preparative and process column distribution systems 1006(2003)45

Simulated moving bed process with cyclic modulation of the feed concentration 1006(2003)77

Modelling gradient elution of bioactive multicomponent systems in non-linear ion-exchange chromatography 1006(2003)101

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Mass transfer effects in preparative chromatography of eremomycin on polymeric sorbents 1006(2003)251

Batch and simulated moving bed chromatographic resolution of a pharmaceutical racemate 1006(2003)267

Pressure control

Converging flow chromatography in constant-pressure mode 1006(2003)149

Process simulation

Process development in affinity separation of glycoconjugates with lectins as ligands 1006(2003)127

Propranolol

Optimization of simulated moving bed and *Varicol* processes 1006(2003)15

Proteins

Mixed-matrix membrane adsorbers for protein separation 1006(2003)171

Effect of the concentration of ionic groups in the sorbent on the separation of protein mixtures 1006(2003)185

Transfer of gradient chromatographic methods for protein separation to Convective Interaction Media monolithic columns 1006(2003)195

Radial flow chromatography

Converging flow chromatography in constant-pressure mode 1006(2003)149

Residence time distribution

Efficiency of preparative and process column distribution systems 1006(2003)45

Rubomycin

Optimization of experimental conditions for the preparative displacement chromatography of antitumor anthracycline antibiotics on carboxylic sorbents 1006(2003)121

Simulated moving bed chromatography

Optimal operation of simulated moving bed chromatographic processes by means of simple feedback control 1006(2003)3

Optimization of simulated moving bed and *Varicol* processes 1006(2003)15

Design of simulated moving bed and *Varicol* processes for preparative separations with a low number of columns 1006(2003)33

Simulated moving bed process with cyclic modulation of the feed concentration 1006(2003)77

PowerFeed operation of simulated moving bed units: changing flow-rates during the switching interval 1006(2003)87

Batch and simulated moving bed chromatographic resolution of a pharmaceutical racemate 1006(2003)267

Solvophobic theory

Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. Using and relating two different models for describing the effect of salt and temperature on retention 1006(2003)137

Stationary phases, LC

Chromatographic performance of monolithic and particulate stationary phases. Hydrodynamics and adsorption capacity 1006(2003)207

Comparison between mass transfer properties of weak-anion-exchange resins with graft-functionalized polymer layers and traditional ungrafted resins 1006(2003)229

Suzuki cross-coupling reaction

Polymer/carrier composites as materials and reactors for organic synthesis 1006(2003)241

Thermodynamic parameters

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281

Varicol process

Optimization of simulated moving bed and *Varicol* processes 1006(2003)15

Design of simulated moving bed and *Varicol* processes for preparative separations with a low number of columns 1006(2003)33

VariCol process

PowerFeed operation of simulated moving bed units: changing flow-rates during the switching interval 1006(2003)87

Vitamins

Concentration and purification of orotic acid directly from whey with an expanded bed adsorption system 1006(2003)261

Whey

Concentration and purification of orotic acid directly from whey with an expanded bed adsorption system 1006(2003)261

Zeolites

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on alumina and molecular sieves 3A and 5A by inverse gas chromatography 1006(2003)281