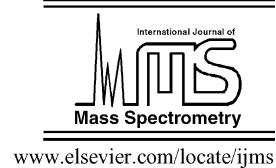




ELSEVIER

International Journal of Mass Spectrometry 221 (2002) 265–267



www.elsevier.com/locate/ijms

Subject index Volume 221

- Acidities of organogermanes
Probing the gas-phase ion chemistry of simple Ge systems, 177
- Amino acid clusters
Unusually stable magic number clusters of serine with a surprising preference for homochirality, 9
- Atmospheric pressure MALDI
Recent developments in atmospheric pressure MALDI mass spectrometry, 39
- Chemical ionization
Study of ion/molecule reactions of atmospherically important negative ions with methane sulfonic acid, 209
- Chirality
Unusually stable magic number clusters of serine with a surprising preference for homochirality, 9
- Coherent motion
Experimental observation of laser-induced coherent ion motion in a quadrupole trap, 163
- Collisional activated dissociation
Dissociation of noncovalent protein complexes by triple quadrupole tandem mass spectrometry: comparison of Monte Carlo simulation and experiment, 245
- Collisional focusing
Development of cryostage for matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry, 83
- Collision-induced dissociation
Generation and characterization of protonated silicic acid $\text{Si}(\text{OH})_3^+$ and its neutral counterpart by tandem mass spectrometry and computational chemistry, 219
- Complex mixture analysis
Structure characterization of petroleum vacuum residues by in-beam EI Fourier transform ion cyclotron resonance mass spectrometry, 93
- Complexation energies
The performance of density function theory in describing gas-phase $\text{S}_{\text{N}}2$ reactions at saturated nitrogen, 59
- Computational chemistry
Generation and characterization of protonated silicic acid $\text{Si}(\text{OH})_3^+$ and its neutral counterpart by tandem mass spectrometry and computational chemistry, 219
- Conformational analysis
A REMPI investigation of the minimum energy conformations of diphenyl ether, 107
- Cryostage
Development of cryostage for matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry, 83
- Digital ion trap
A simulation study of the digital ion trap mass spectrometer, 117
- Diphenyl ether
A REMPI investigation of the minimum energy conformations of diphenyl ether, 107
- EDS
Trace elements analyses of zircon sample by integration of the LA-ICP-MS, EDS and RBS methods, 139
- Electron flood
Electron flood charge compensation device for ion trap secondary ion mass spectrometry, 21
- Flavour
Analysis of volatile flavour compounds by Proton Transfer Reaction-Mass Spectrometry: fragmentation patterns and discrimination between isobaric and isomeric compounds, 1
- Fragmentation
Analysis of volatile flavour compounds by Proton Transfer Reaction-Mass Spectrometry: fragmentation patterns and discrimination between isobaric and isomeric compounds, 1
- FT-ICR
Structure characterization of petroleum vacuum residues by in-beam EI Fourier transform ion cyclotron resonance mass spectrometry, 93
- FT-ICR MS
Development of cryostage for matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry, 83
- Germanium clusters
Probing the gas-phase ion chemistry of simple Ge systems, 177
- Germanium-containing ions
Probing the gas-phase ion chemistry of simple Ge systems, 177
- Group theory
A REMPI investigation of the minimum energy conformations of diphenyl ether, 107

Higher-order field

A simulation study of the digital ion trap mass spectrometer, 117

ICP-MS

Trace elements analyses of zircon sample by integration of the LA-ICP-MS, EDS and RBS methods, 139

In-beam EI

Structure characterization of petroleum vacuum residues by in-beam EI Fourier transform ion cyclotron resonance mass spectrometry, 93

Ion neutral collision

A simulation study of the digital ion trap mass spectrometer, 117

Ion trap mass spectrometry

Recent developments in atmospheric pressure MALDI mass spectrometry, 39

Ion yield

The influence of laser fluence on ion yield in matrix-assisted laser desorption ionization mass spectrometry, 67

Ion/molecule reactions

Study of ion/molecule reactions of atmospherically important negative ions with methane sulfonic acid, 209

Ion–molecule reactions

Probing the gas-phase ion chemistry of simple Ge systems, 177

Isobaric compounds

Analysis of volatile flavour compounds by Proton Transfer Reaction-Mass Spectrometry: fragmentation patterns and discrimination between isobaric and isomeric compounds, 1

Isobaric interferences

Sr isotope ratio measurements by double-focusing MC-ICPMS: techniques, observations and pitfalls, 229

Isomeric compounds

Analysis of volatile flavour compounds by Proton Transfer Reaction-Mass Spectrometry: fragmentation patterns and discrimination between isobaric and isomeric compounds, 1

Laser ablation

Sr isotope ratio measurements by double-focusing MC-ICPMS: techniques, observations and pitfalls, 229

Laser fluence

The influence of laser fluence on ion yield in matrix-assisted laser desorption ionization mass spectrometry, 67

MALDI

The influence of laser fluence on ion yield in matrix-assisted laser desorption ionization mass spectrometry, 67

Development of cryostage for matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry, 83

MALDI-ITMS

Probing mass discriminations and mass shifts in the ITMS mass spectra of externally generated MALDI ions with synthetic polymers, 191

Mass spectrometry

Unusually stable magic number clusters of serine with a surprising preference for homochirality, 9

Matrix-assisted laser desorption/ionization

Recent developments in atmospheric pressure MALDI mass spectrometry, 39

MC-ICPMS

Sr isotope ratio measurements by double-focusing MC-ICPMS: techniques, observations and pitfalls, 229

Methane sulfonic acid

Study of ion/molecule reactions of atmospherically important negative ions with methane sulfonic acid, 209

Molecular weight distribution

Probing mass discriminations and mass shifts in the ITMS mass spectra of externally generated MALDI ions with synthetic polymers, 191

Monte Carlo simulation

Dissociation of noncovalent protein complexes by triple quadrupole tandem mass spectrometry: comparison of Monte Carlo simulation and experiment, 245

MS/MS

Mass spectrometry evaluation of the solution and gas-phase binding properties of noncovalent protein complexes, 147

NanoESI

Mass spectrometry evaluation of the solution and gas-phase binding properties of noncovalent protein complexes, 147

Neutralization–reionization

Generation and characterization of protonated silicic acid $\text{Si}(\text{OH})_3^+$ and its neutral counterpart by tandem mass spectrometry and computational chemistry, 219

Noncovalent protein complexes

Mass spectrometry evaluation of the solution and gas-phase binding properties of noncovalent protein complexes, 147

Nucleophilic substitution reaction

The performance of density function theory in describing gas-phase $\text{S}_{\text{N}}2$ reactions at saturated nitrogen, 59

Phase-space dynamics

Experimental observation of laser-induced coherent ion motion in a quadrupole trap, 163

Photoionization

A REMPI investigation of the minimum energy conformations of diphenyl ether, 107

Protein digest

Recent developments in atmospheric pressure MALDI mass spectrometry, 39

Proton affinity

Generation and characterization of protonated silicic acid $\text{Si}(\text{OH})_3^+$ and its neutral counterpart by tandem mass spectrometry and computational chemistry, 219

Protonated silicic acid

Generation and characterization of protonated silicic acid $\text{Si}(\text{OH})_3^+$ and its neutral counterpart by tandem mass spectrometry and computational chemistry, 219

PTR-MS

Analysis of volatile flavour compounds by Proton Transfer Reaction-Mass Spectrometry: fragmentation patterns and discrimination between isobaric and isomeric compounds, 1

- Quadrupole ion guide
Development of cryostage for matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry, 83
- Quadrupole ion trap
Electron flood charge compensation device for ion trap secondary ion mass spectrometry, 21
Experimental observation of laser-induced coherent ion motion in a quadrupole trap, 163
- RBS
Trace elements analyses of zircon sample by integration of the LA-ICP-MS, EDS and RBS methods, 139
- Resonance ejection
A simulation study of the digital ion trap mass spectrometer, 117
- Sample charging
Electron flood charge compensation device for ion trap secondary ion mass spectrometry, 21
- Secondary ion mass spectrometry (SIMS)
Electron flood charge compensation device for ion trap secondary ion mass spectrometry, 21
- Serine octamer
Unusually stable magic number clusters of serine with a surprising preference for homochirality, 9
- SIMION
Electron flood charge compensation device for ion trap secondary ion mass spectrometry, 21
- Simulation
Electron flood charge compensation device for ion trap secondary ion mass spectrometry, 21
A simulation study of the digital ion trap mass spectrometer, 117
- SiO₂
Generation and characterization of protonated silicic acid Si(OH)₃⁺ and its neutral counterpart by tandem mass spectrometry and computational chemistry, 219
- Solution and gas-phase binding
Mass spectrometry evaluation of the solution and gas-phase binding properties of noncovalent protein complexes, 147
- Space-charge
Probing mass discriminations and mass shifts in the ITMS mass spectra of externally generated MALDI ions with synthetic polymers, 191
- Sr isotopes
Sr isotope ratio measurements by double-focusing MC-ICPMS: techniques, observations and pitfalls, 229
- Synthetic polymers
Probing mass discriminations and mass shifts in the ITMS mass spectra of externally generated MALDI ions with synthetic polymers, 191
- Tandem mass spectrometry
Recent developments in atmospheric pressure MALDI mass spectrometry, 39
- Threshold
The influence of laser fluence on ion yield in matrix-assisted laser desorption ionization mass spectrometry, 67
- Trajectory simulations
Experimental observation of laser-induced coherent ion motion in a quadrupole trap, 163
- Transition state
The performance of density function theory in describing gas-phase S_N2 reactions at saturated nitrogen, 59
- Triple quadrupole mass spectrometry
Dissociation of noncovalent protein complexes by triple quadrupole tandem mass spectrometry: comparison of Monte Carlo simulation and experiment, 245
- Tropospheric trace gases
Study of ion/molecule reactions of atmospherically important negative ions with methane sulfonic acid, 209
- Vacuum residue
Structure characterization of petroleum vacuum residues by in-beam EI Fourier transform ion cyclotron resonance mass spectrometry, 93
- Zircon
Trace elements analyses of zircon sample by integration of the LA-ICP-MS, EDS and RBS methods, 139