

## Subject index Volume 236

- Ab initio  
C<sub>4</sub>H<sub>8</sub><sup>•+</sup> isomerizations by theory, 105
- Aminopyrazine  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1
- Aminopyridine  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1
- Antimicrobial peptide  
The unusual loss of an internal Val residue from the (*M* – H)<sup>–</sup> parent anions of the antimicrobial peptide citropin 1.1 and synthetically modified analogues. Fragmentations which require a specific conformation of the decomposing anion, 43
- Benzimidazoles  
Proximity effects in the electron impact mass spectra of 2-substituted benzazoles, 65
- Benzothiazoles  
Proximity effects in the electron impact mass spectra of 2-substituted benzazoles, 65
- Benzoxazoles  
Proximity effects in the electron impact mass spectra of 2-substituted benzazoles, 65
- Binding constants  
Vancomycin in vacuo, 11
- CBS-QB3 calculations  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1
- C<sub>4</sub>H<sub>8</sub><sup>•+</sup>  
C<sub>4</sub>H<sub>8</sub><sup>•+</sup> isomerizations by theory, 105
- C<sub>5</sub>H<sub>10</sub><sup>+</sup>  
C<sub>4</sub>H<sub>8</sub><sup>•+</sup> isomerizations by theory, 105
- Charge transfer  
Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions, 33
- Citropin 1.1 and synthetic analogues  
The unusual loss of an internal Val residue from the (*M* – H)<sup>–</sup> parent anions of the antimicrobial peptide citropin 1.1 and synthetically modified analogues. Fragmentations which require a specific conformation of the decomposing anion, 43
- Collision-induced dissociation  
Characterising electrosprayed biomolecules using tandem-MS—the noncovalent GroEL chaperonin assembly, 25
- Cylindrical ion trap  
Towards the hand-held mass spectrometer: design considerations, simulation, and fabrication of micrometer-scaled cylindrical ion traps, 91
- Cysteine oxidation  
Determining cysteine oxidation status using differential alkylation, 117
- Differential alkylation  
Determining cysteine oxidation status using differential alkylation, 117
- Distonic ion  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1  
C<sub>4</sub>H<sub>8</sub><sup>•+</sup> isomerizations by theory, 105
- Doubly-charged  
Proximity effects in the electron impact mass spectra of 2-substituted benzazoles, 65
- Electron capture dissociation  
Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions, 33
- Electron transfer dissociation  
Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions, 33
- Electrospray negative ion spectra  
The unusual loss of an internal Val residue from the (*M* – H)<sup>–</sup> parent anions of the antimicrobial peptide citropin 1.1 and synthetically modified analogues. Fragmentations which require a specific conformation of the decomposing anion, 43
- Fieldable analytical instruments  
Towards the hand-held mass spectrometer: design considerations, simulation, and fabrication of micrometer-scaled cylindrical ion traps, 91
- Fragmentation  
Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions, 33
- Hydrogen atom elimination  
Proximity effects in the electron impact mass spectra of 2-substituted benzazoles, 65
- Internal loss of Val  
The unusual loss of an internal Val residue from the (*M* – H)<sup>–</sup> parent anions of the antimicrobial peptide citropin 1.1 and synthetically modified analogues. Fragmentations which require a specific conformation of the decomposing anion, 43
- Ion mobility  
Ion mobility mass spectrometry of proteins in a modified commercial mass spectrometer, 55  
Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds, 81
- Ion trap  
Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions, 33
- Ion/ion reactions  
Anion dependence in the partitioning between proton and electron transfer in ion/ion reactions, 33
- Mass spectrometry  
Ion mobility mass spectrometry of proteins in a modified commercial mass spectrometer, 55
- Microfabrication  
Towards the hand-held mass spectrometer: design considerations, simulation, and fabrication of micrometer-scaled cylindrical ion traps, 91
- Miniature mass spectrometer  
Towards the hand-held mass spectrometer: design considerations, simulation, and fabrication of micrometer-scaled cylindrical ion traps, 91

- Nano-electrospray  
Characterising electrosprayed biomolecules using tandem-MS—the noncovalent GroEL chaperonin assembly, 25
- Natural bond orbital analysis  
Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds, 81
- Neutralisation–reionisation  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1
- Non-covalent interactions  
Vancomycin in vacuo, 11
- Noncovalent interactions  
Characterising electrosprayed biomolecules using tandem-MS—the noncovalent GroEL chaperonin assembly, 25
- Oxidative stress  
Determining cysteine oxidation status using differential alkylation, 117
- Peptide  
Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds, 81
- Peptide cross section  
Ion mobility mass spectrometry of proteins in a modified commercial mass spectrometer, 55
- Protein complexes  
Characterising electrosprayed biomolecules using tandem-MS—the noncovalent GroEL chaperonin assembly, 25
- Protein folding  
Ion mobility mass spectrometry of proteins in a modified commercial mass spectrometer, 55
- Protein structure  
Ion mobility mass spectrometry of proteins in a modified commercial mass spectrometer, 55
- Proximity effect  
Proximity effects in the electron impact mass spectra of 2-substituted benzazoles, 65
- Pyridazine  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1
- Radical-cation  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1
- Rearrangements  
Proximity effects in the electron impact mass spectra of 2-substituted benzazoles, 65  
 $C_4H_8^{\bullet+}$  isomerizations by theory, 105
- Simulations of ion motion  
Towards the hand-held mass spectrometer: design considerations, simulation, and fabrication of micrometer-scaled cylindrical ion traps, 91
- Solvation shell  
Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds, 81
- Stable isotopes  
Determining cysteine oxidation status using differential alkylation, 117
- Tandem-mass spectrometry  
Characterising electrosprayed biomolecules using tandem-MS—the noncovalent GroEL chaperonin assembly, 25
- Vancomycin  
Vancomycin in vacuo, 11
- van't Hoff analysis  
Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds, 81
- Virtual intermediates  
 $C_4H_8^{\bullet+}$  isomerizations by theory, 105
- Water binding energy  
Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds, 81
- Ylid  
Reactions of ionised pyridazine, aminopyrazine and aminopyridine and their isomeric  $\alpha$ -distonic ions, 1