

# Scott A Mcluckey

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

351  
papers

14,691  
citations

63  
h-index

102  
g-index

367  
ext. papers

15,467  
ext. citations

5.6  
avg, IF

6.69  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 351 | Adaptation and operation of a quadrupole/time-of-flight tandem mass spectrometer for high mass ion/ion reaction studies. <i>International Journal of Mass Spectrometry</i> , <b>2022</b> , 478, 116874   | 1.9 | 1         |
| 350 | Berberine Molecular Recognition of the Parallel MYC G-Quadruplex in Solution. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 16205-16212  | 8.3 | 4         |
| 349 | Manipulation of Ion Types via Gas-Phase Ion/Ion Chemistry for the Structural Characterization of the Glycan Moiety on Gangliosides. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 15752-15760  | 7.8 | 1         |
| 348 | Two-Color IRMPD Applied to Conformationally Complex Ions: Probing Cold Ion Structure and Hot Ion Unfolding. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 9394-9404  | 2.8 | 1         |
| 347 | Localization of Carbon-Carbon Double Bond and Cyclopropane Sites in Cardiolipins via Gas-Phase Charge Inversion Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2021</b> , 32, 455-464  | 3.5 | 4         |
| 346 | In-Depth Structural Characterization and Quantification of Cerebrosides and Glycosphingosines with Gas-Phase Ion Chemistry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7332-7340  | 7.8 | 4         |
| 345 | Mass Analysis of Macro-molecular Analytes via Multiply-Charged Ion Attachment. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 16301-16306   | 7.8 | 4         |
| 344 | Generation of Multiply Charged Protein Anions from Multiply Charged Protein Cations via Gas-Phase Ion/Ion Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 1509-1517  | 3.5 | 0         |
| 343 | Proton Transfer Reactions for the Gas-Phase Separation, Concentration, and Identification of Cardiolipins. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10847-10855   | 7.8 | 4         |
| 342 | Valet Parking for Protein Ion Charge State Concentration: Ion/Molecule Reactions in Linear Ion Traps. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 5419-5425  | 7.8 | 1         |
| 341 | Coupling Headgroup and Alkene Specific Solution Modifications with Gas-Phase Ion/Ion Reactions for Sensitive Glycerophospholipid Identification and Characterization. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 938-945 | 3.5 | 3         |
| 340 | Ion trap operational modes for ion/ion reactions yielding high mass-to-charge product ions. <i>International Journal of Mass Spectrometry</i> , <b>2020</b> , 451,   | 1.9 | 1         |
| 339 | Recent Developments in Gas-Phase Ion/Ion Reactions for Analytical Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 252-266   | 7.8 | 22        |
| 338 | Toward Complete Structure Elucidation of Glycerophospholipids in the Gas Phase through Charge Inversion Ion/Ion Chemistry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1219-1227   | 7.8 | 33        |
| 337 | Enhancing detection and characterization of lipids using charge manipulation in electrospray ionization-tandem mass spectrometry. <i>Chemistry and Physics of Lipids</i> , <b>2020</b> , 232, 104970   | 3.7 | 3         |
| 336 | Charge-switch derivatization of fatty acid esters of hydroxy fatty acids via gas-phase ion/ion reactions. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1129, 31-39  | 6.6 | 7         |
| 335 | Differentiation and Quantification of Diastereomeric Pairs of Glycosphingolipids Using Gas-Phase Ion Chemistry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 13387-13395  | 7.8 | 9         |

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| 334 | Digital ion trap mass analysis of high mass protein complexes using IR activation coupled with ion/ion reactions. <i>International Journal of Mass Spectrometry</i> , <b>2020</b> , 458,   | 1.9 | 4  |
| 333 | Structural Elucidation of Ether Glycerophospholipids Using Gas-Phase Ion/Ion Charge Inversion Chemistry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 1093-1103  | 3.5 | 10 |
| 332 | Simultaneous Isolation of Nonadjacent / Ions Using Mirror Switching in an Electrostatic Linear Ion Trap. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12574-12580   | 7.8 | 5  |
| 331 | Mirror Switching for High-Resolution Ion Isolation in an Electrostatic Linear Ion Trap. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 8789-8794  | 7.8 | 7  |
| 330 | Generating Fatty Acid Profiles in the Gas Phase: Fatty Acid Identification and Relative Quantitation Using Ion/Ion Charge Inversion Chemistry. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 9032-9040                                     | 7.8 | 23 |
| 329 | Dipolar DC induced collisional activation of non-dissociated electron-transfer products. <i>Journal of Mass Spectrometry</i> , <b>2019</b> , 54, 459-465   | 2.2 | 2  |
| 328 | Increasing the Upper Mass/Charge Limit of a Quadrupole Ion Trap for Ion/Ion Reaction Product Analysis via Waveform Switching. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 1126-1132                     | 3.5 | 5  |
| 327 | Gold(I) Cationization Promotes Ring Opening in Lysine-Containing Cyclic Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 1914-1922   | 3.5 | 2  |
| 326 | Ion/ion charge inversion/attachment in conjunction with dipolar DC collisional activation as a selective screen for sulfo- and phosphopeptides. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 444, 116181                | 1.9 | 5  |
| 325 | Top-Down Analysis of Disulfide-Linked Proteins Using Photoinduced Radical Reactions and ET-DDC. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 444, 116173-116173   | 1.9 | 6  |
| 324 | A Miniaturized Fourier Transform Electrostatic Linear Ion Trap Mass Spectrometer: Mass Range and Resolution. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 588-594  | 3.5 | 6  |
| 323 | Gas-Phase Sequencing of Cyclotides: Introduction of Selective Ring Opening at Dehydroalanine via Ion/Ion Reaction. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15608-15616   | 7.8 | 2  |
| 322 | Gas-Phase Ion/Ion Chemistry as a Probe for the Presence of Carboxylate Groups in Polypeptide Cations. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 329-338   | 3.5 | 5  |
| 321 | In-depth structural characterization of phospholipids by pairing solution photochemical reaction with charge inversion ion/ion chemistry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4739-4749                       | 4.4 | 18 |
| 320 | Maximizing Selective Cleavages at Aspartic Acid and Proline Residues for the Identification of Intact Proteins. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 34-44                                       | 3.5 | 8  |
| 319 | Infrared Population Transfer Spectroscopy of Cryo-Cooled Ions: Quantitative Tests of the Effects of Collisional Cooling on the Room Temperature Conformer Populations. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 2096-2107 | 2.8 | 14 |
| 318 | Determination of Collision Cross Sections Using a Fourier Transform Electrostatic Linear Ion Trap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2018</b> , 29, 242-250                                | 3.5 | 9  |
| 317 | Novel Peptide Ion Chemistry Associated with Gold (I) Cationization: Preferential Cleavage at Lysine Residues. <i>International Journal of Mass Spectrometry</i> , <b>2018</b> , 427, 114-122   | 1.9 | 4  |

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| 316 | Gas-Phase Ion/Ion Reactions Involving Tris-Phenanthroline Alkaline Earth Metal Complexes as Charge Inversion Reagents for the Identification of Fatty Acids. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12861-12869  | 7.8  | 40 |
| 315 | Gas-phase rearrangement reaction of Schiff-base-modified peptide ions. <i>Rapid Communications in Mass Spectrometry</i> , <b>2018</b> , 32, 2166-2173   | 2.2  | 2  |
| 314 | Enhanced Reactivity in Nucleophilic Acyl Substitution Ion/Ion Reactions Using Triazole-Ester Reagents. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 1254-1261   | 3.5  | 12 |
| 313 | The Generation of Dehydroalanine Residues in Protonated Polypeptides: Ion/Ion Reactions for Introducing Selective Cleavages. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 1765-1774   | 3.5  | 6  |
| 312 | Gas-Phase Oxidation via Ion/Ion Reactions: Pathways and Applications. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 991-1004   | 3.5  | 4  |
| 311 | Utility of Higher Harmonics in Electrospray Ionization Fourier Transform Electrostatic Linear Ion Trap Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4392-4397   | 7.8  | 7  |
| 310 | Conformation-Specific Infrared and Ultraviolet Spectroscopy of Cold [YAPAA+H] and [YGPAA+H] Ions: A Stereochemical "Twist" on the Hairpin Turn. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5481-5493  | 16.4 | 12 |
| 309 | Preparation of Labile Ni(cyclam) Cations in the Gas Phase Using Electron-Transfer Reduction through Ion-Ion Recombination in an Ion Trap and Structural Characterization with Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 5047-5052         | 6.4  | 14 |
| 308 | Fourier-Transform MS and Closed-Path Multireflection Time-of-Flight MS Using an Electrostatic Linear Ion Trap. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10965-10972  | 7.8  | 7  |
| 307 | Trimethylation Enhancement Using C-Diazomethane: Gas-Phase Charge Inversion of Modified Phospholipid Cations for Enhanced Structural Characterization. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9452-9458  | 7.8  | 7  |
| 306 | Joule Heating and Thermal Denaturation of Proteins in Nano-ESI Theta Tips. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 2001-2010   | 3.5  | 9  |
| 305 | Selective Gas-Phase Ion/Ion Reactions: Enabling Disulfide Mapping via Oxidation and Cleavage of Disulfide Bonds in Intermolecularly-Linked Polypeptide Ions. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8972-9   | 7.8  | 18 |
| 304 | Alkali Cation Chelation in Cold ED-4 Tetralignol Complexes. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 7152-66   | 2.8  | 3  |
| 303 | Gas-Phase Oxidation of Neutral Basic Residues in Polypeptide Cations by Periodate. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1979-1988   | 3.5  | 5  |
| 302 | Voltage-induced frequency drift correction in fourier transform electrostatic linear ion trap mass spectrometry using mirror-switching. <i>International Journal of Mass Spectrometry</i> , <b>2016</b> , 410, 12-21  | 1.9  | 5  |
| 301 | Gas-Phase Folding of a Prototypical Protonated Pentapeptide: Spectroscopic Evidence for Formation of a Charge-Stabilized Hairpin. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2849-57  | 16.4 | 26 |
| 300 | Simplification of electrospray mass spectra of Polysorbate 80 via cation transfer to carborane anions. <i>Journal of Mass Spectrometry</i> , <b>2016</b> , 51, 453-8  | 2.2  | 1  |
| 299 | Selective Covalent Chemistry via Gas-Phase Ion/Ion Reactions: An Exploration of the Energy Surfaces Associated with N-Hydroxysuccinimide Ester Reagents and Primary Amines and Guanidine Groups. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1089-98 | 3.5  | 12 |

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| 298 | A dual detector Fourier transform electrostatic linear ion trap utilizing in-trap potential lift. <i>International Journal of Mass Spectrometry</i> , <b>2016</b> , 405, 1-8   | 1.9 | 11 |
| 297 | The dehydroalanine effect in the fragmentation of ions derived from polypeptides. <i>Journal of Mass Spectrometry</i> , <b>2016</b> , 51, 857-866  | 2.2 | 9  |
| 296 | Selective Gas-Phase Oxidation and Localization of Alkylated Cysteine Residues in Polypeptide Ions via Ion/Ion Chemistry. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 3139-46   | 5.6 | 8  |
| 295 | A method for isolating ions in quadrupole ion traps using an excitation waveform generated by frequency modulation and mixing. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 377, 329-337  | 1.9 | 3  |
| 294 | Gas phase click chemistry via ion/ion reactions. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 390, 118-123  | 1.9 | 7  |
| 293 | Ion/ion reactions with "onium" reagents: an approach for the gas-phase transfer of organic cations to multiply-charged anions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 818-25   | 3.5 | 10 |
| 292 | Electrospray droplet exposure to polar vapors: delayed desolvation of protein complexes. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 973-81   | 2.2 | 6  |
| 291 | UV photofragmentation and IR spectroscopy of cold, G-type $\text{E}^{\ominus}$ -4 and $\text{E}^{\ominus}$ ilignol-alkali metal complexes: structure and linkage-dependent photofragmentation. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 1917-32   | 2.8 | 10 |
| 290 | Gas-Phase Chemical Separation of Phosphatidylcholine and Phosphatidylethanolamine Cations via Charge Inversion Ion/Ion Chemistry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 11255-62   | 7.8 | 19 |
| 289 | UV and IR spectroscopy of cold protonated leucine enkephalin. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 378, 196-205   | 1.9 | 37 |
| 288 | Gas phase reactivity of carboxylates with N-hydroxysuccinimide esters. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 174-80   | 3.5 | 11 |
| 287 | Strategies for generating peptide radical cations via ion/ion reactions. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 418-26  | 2.2 | 8  |
| 286 | Electroosmotically driven solution mixing in borosilicate theta glass nESI emitters. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 1063-1070   | 2.2 | 7  |
| 285 | Transformation of $[\text{M} + 2\text{H}](2+)$ Peptide Cations to $[\text{M} - \text{H}](+)$ , $[\text{M} + \text{H} + \text{O}](+)$ , and $\text{M}(+)$ Cations via Ion/Ion Reactions: Reagent Anions Derived from Persulfate. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 1103-14 | 3.5 | 9  |
| 284 | Gas-Phase Amidation of Carboxylic Acids with Woodward's Reagent K Ions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 1686-94   | 3.5 | 5  |
| 283 | C-terminal peptide extension via gas-phase ion/ion reactions. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 391, 17-23   | 1.9 | 7  |
| 282 | Electrospray droplet exposure to organic vapors: metal ion removal from proteins and protein complexes. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 1210-8   | 7.8 | 28 |
| 281 | Selective removal of alkali metal cations from multiply-charged ions via gas-phase ion/ion reactions using weakly coordinating anions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 404-14   | 3.5 | 11 |

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| 280 | Injecting electrospray ions into a Fourier transform electrostatic linear ion trap. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 378, 281-287  | 1.9  | 11 |
| 279 | Affecting protein charge state distributions in nano-electrospray ionization via in-spray solution mixing using theta capillaries. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4581-8   | 7.8  | 53 |
| 278 | Square wave modulation of a mirror lens for ion isolation in a Fourier transform electrostatic linear ion trap mass spectrometer. <i>International Journal of Mass Spectrometry</i> , <b>2014</b> , 362, 1-8                          | 1.9  | 15 |
| 277 | Oxidation of methionine residues in polypeptide ions via gas-phase ion/ion chemistry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 1049-57  | 3.5  | 16 |
| 276 | Tandem mass spectrometry in an electrostatic linear ion trap modified for surface-induced dissociation. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 8822-8  | 7.8  | 9  |
| 275 | Hydrogen/deuterium exchange in parallel with acid/base induced protein conformational change in electrospray droplets. <i>Journal of Mass Spectrometry</i> , <b>2014</b> , 49, 437-44   | 2.2  | 17 |
| 274 | Efficient and directed peptide bond formation in the gas phase via ion/ion reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1288-92                             | 11.5 | 21 |
| 273 | Fragmentation Reactions of Nucleic Acid Ions in the Gas Phase. <i>Physical Chemistry in Action</i> , <b>2014</b> , 131-182  |      | 3  |
| 272 | Cation recombination energy/coulomb repulsion effects in ETD/ECD as revealed by variation of charge per residue at fixed total charge. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 1676-89       | 3.5  | 4  |
| 271 | Reagent cluster anions for multiple gas-phase covalent modifications of peptide and protein cations. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 1045-52   | 3.5  | 6  |
| 270 | Gas-phase intramolecular protein crosslinking via ion/ion reactions: ubiquitin and a homobifunctional sulfo-NHS ester. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 733-43                        | 2.5  | 26 |
| 269 | The ornithine effect in peptide cation dissociation. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 856-61   | 2.2  | 24 |
| 268 | Electron transfer followed by collision-induced dissociation (NET-CID) for generating sequence information from backbone-modified oligonucleotide anions. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 249-57 | 2.2  | 30 |
| 267 | Strategies for the Gas Phase Modification of Cationized Arginine via Ion/Ion Reactions. <i>International Journal of Mass Spectrometry</i> , <b>2013</b> , 354-355,  | 1.9  | 7  |
| 266 | Absorption mode Fourier transform electrostatic linear ion trap mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8075-9   | 7.8  | 21 |
| 265 | Gas-phase transformation of phosphatidylcholine cations to structurally informative anions via ion/ion chemistry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3752-7  | 7.8  | 21 |
| 264 | Gas-phase reactivity of carboxylic acid functional groups with carbodiimides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 30-7   | 3.5  | 19 |
| 263 | Gas-phase ion/ion reactions of peptides and proteins: acid/base, redox, and covalent chemistries. <i>Chemical Communications</i> , <b>2013</b> , 49, 947-65   | 5.8  | 39 |

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| 262 | A novel ion trap based tandem mass spectrometer for the spectroscopic study of cold gas phase polyatomic ions. <i>International Journal of Mass Spectrometry</i> , <b>2013</b> , 348, 9-14  | 1.9  | 57 |
| 261 | Gas Phase Dissociation Behavior of Acyl-Arginine Peptides. <i>International Journal of Mass Spectrometry</i> , <b>2013</b> , 354-356, 181-187   | 1.9  | 7  |
| 260 | Nondestructive tandem mass spectrometry using a linear quadrupole ion trap coupled to a linear electrostatic ion trap. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 5226-32  | 7.8  | 21 |
| 259 | Top-down interrogation of chemically modified oligonucleotides by negative electron transfer and collision induced dissociation. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4713-20  | 7.8  | 37 |
| 258 | Trapping mode dipolar DC collisional activation in the RF-only ion guide of a linear ion trap/time-of-flight instrument for gaseous bio-ion declustering. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 1059-65                   | 2.2  | 13 |
| 257 | Dissociation Behavior of Tryptic and Intramolecular Disulfide-linked Peptide Ions Modified in the Gas Phase via Ion/Ion Reactions. <i>International Journal of Mass Spectrometry</i> , <b>2012</b> , 312, 195-200                           | 1.9  | 18 |
| 256 | Vapor treatment of electrospray droplets: evidence for the folding of initially denatured proteins on the sub-millisecond time-scale. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 88-101               | 3.5  | 24 |
| 255 | Solution versus gas-phase modification of peptide cations with NHS-ester reagents. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 282-9   | 3.5  | 20 |
| 254 | Electron Transfer Dissociation: Effects of Cation Charge State on Product Partitioning in Ion/Ion Electron Transfer to Multiply Protonated Polypeptides. <i>International Journal of Mass Spectrometry</i> , <b>2012</b> , 330-332, 174-181 | 1.9  | 31 |
| 253 | Analysis of high mass-to-charge ions in a quadrupole ion trap mass spectrometer via an end-cap quadrupolar direct current downscan. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7562-9  | 7.8  | 8  |
| 252 | Ion/ion reactions of MALDI-derived peptide ions: increased sequence coverage via covalent and electrostatic modification upon charge inversion. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 10679-85                                    | 7.8  | 13 |
| 251 | Gas-phase conjugation to arginine residues in polypeptide ions via N-hydroxysuccinimide ester-based reagent ions. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 11412-4  | 16.4 | 29 |
| 250 | Collision-induced dissociation of oligonucleotide anions fully modified at the 2'-position of the ribose: 2'-F/-H and 2'-F/-H/-OMe mix-mers. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 364-9                                  | 2.2  | 23 |
| 249 | Covalent and non-covalent binding in the ion/ion charge inversion of peptide cations with benzene-disulfonic acid anions. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 669-75  | 2.2  | 19 |
| 248 | Dipolar DC collisional activation in a stretched B-D ion trap: the effect of higher order fields on rf-heating. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 736-44                                     | 3.5  | 27 |
| 247 | DC Potentials Applied to an End-cap Electrode of a 3-D Ion Trap for Enhanced MS Functionality. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 306, 114-122   | 1.9  | 21 |
| 246 | Cleavage of Multiple Disulfide Bonds in Insulin via Gold Cationization and Collision-induced Dissociation. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 308, 133-136   | 1.9  | 21 |
| 245 | Ion/neutral, ion/electron, ion/photon, and ion/ion interactions in tandem mass spectrometry: do we need them all? Are they enough?. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 3-12                   | 3.5  | 63 |

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|-----|---|------|----|
| 244 | Intra- and inter-molecular cross-linking of peptide ions in the gas phase: reagents and conditions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 912-21   | 3.5  | 28 |
| 243 | Adaptation of a 3-D quadrupole ion trap for dipolar DC collisional activation. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 1486-92   | 3.5  | 26 |
| 242 | Charge inversion via concurrent cation and anion transfer: application to corticosteroids. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 476-82  | 2.2  | 3  |
| 241 | Implementation of dipolar direct current (DDC) collision-induced dissociation in storage and transmission modes on a quadrupole/time-of-flight tandem mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 2500-10 | 2.2  | 19 |
| 240 | The effect of reagent charge state on the charge inversion efficiency of singly charged polyatomic ions in the gas phase. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 18418-27   | 3.6  | 2  |
| 239 | Negative electrospray droplet exposure to gaseous bases for the manipulation of protein charge state distributions. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 431-7   | 7.8  | 44 |
| 238 | Chemical noise reduction via mass spectrometry and ion/ion charge inversion: amino acids. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 3252-5  | 7.8  | 13 |
| 237 | Electrospray droplet exposure to gaseous acids for reduction of metal counter-ions in nucleic acid ions. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 300, 158-166   | 1.9  | 19 |
| 236 | Gas-phase ion/ion reactions of rubrene cations and multiply charged DNA and RNA anions. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 304, 140-147  | 1.9  | 11 |
| 235 | Gas-phase bioconjugation of peptides via ion/ion charge inversion: Schiff base formation on the conversion of cations to anions. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1594-7   | 7.8  | 33 |
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| 97  | Simplification of product ion spectra derived from multiply charged parent ions via ion/ion chemistry. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 3533-44  | 7.8  | 121 |
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