Scott A Mcluckey

List of Publications by Year
in descending order

362 papers	16,675 citations	14655 66 h-index	25787 108 g-index
367 all docs	367 docs citations	367 times ranked	5609 citing authors

#	Article	IF	Citations
1	Single-conformation spectroscopy of cold, protonated ^DPG-containing peptides: switching Î²-turn types and formation of a sequential type II/IIâ€² double Î²-turn. Physical Chemistry Chemical Physics, 2022, 24, 2095-2109.	2.8	5
2	Multiply Charged Cation Attachment to Facilitate Mass Measurement in Negative-Mode Native Mass Spectrometry. Analytical Chemistry, 2022, 94, 2220-2226.	6.5	6
3	Ion-pairs as a gateway to transmetalation: aryl transfer from boron to nickel and magnesium. Dalton Transactions, 2022, 51, 5699-5705.	3.3	1
4	Gas-Phase Covalent Bond Formation via Nucleophilic Substitution: A Dissociation Kinetics Study of Leaving Groups, Isomeric R Groups, and Nucleophilic Sites. Journal of the American Society for Mass Spectrometry, 2022, 33, 1346-1354.	2.8	3
5	Characterization of Homopolymer Distributions via Direct Infusion ESI-MS/MS using Wide Mass-to-Charge Windows and Gas-Phase Ion/Ion Reactions. Journal of the American Society for Mass Spectrometry, 2022, 33, 704-713.	2.8	2
6	Adaptation and operation of a quadrupole/time-of-flight tandem mass spectrometer for high mass ion/ion reaction studies. International Journal of Mass Spectrometry, 2022, 478, 116874.	1.5	7
7	In-Depth Structural Characterization and Quantification of Cerebrosides and Glycosphingosines with Gas-Phase Ion Chemistry. Analytical Chemistry, 2021, 93, 7332-7340.	6.5	14
8	Localization of Carbonâ€"Carbon Double Bond and Cyclopropane Sites in Cardiolipins via Gas-Phase Charge Inversion Reactions. Journal of the American Society for Mass Spectrometry, 2021, 32, 455-464.	2.8	19
9	Two-Color IRMPD Applied to Conformationally Complex Ions: Probing Cold Ion Structure and Hot Ion Unfolding. Journal of Physical Chemistry A, 2021, 125, 9394-9404.	2.5	3
10	Berberine Molecular Recognition of the Parallel MYC G-Quadruplex in Solution. Journal of Medicinal Chemistry, 2021, 64, 16205-16212.	6.4	19
11	Manipulation of Ion Types via Gas-Phase Ion/Ion Chemistry for the Structural Characterization of the Glycan Moiety on Gangliosides. Analytical Chemistry, 2021, 93, 15752-15760.	6.5	8
12	Recent Developments in Gas-Phase Ion/Ion Reactions for Analytical Mass Spectrometry. Analytical Chemistry, 2020, 92, 252-266.	6.5	43
13	Toward Complete Structure Elucidation of Glycerophospholipids in the Gas Phase through Charge Inversion Ion/Ion Chemistry. Analytical Chemistry, 2020, 92, 1219-1227.	6.5	55
14	Enhancing detection and characterization of lipids using charge manipulation in electrospray ionization-tandem mass spectrometry. Chemistry and Physics of Lipids, 2020, 232, 104970.	3.2	17
15	Charge-switch derivatization of fatty acid esters of hydroxy fatty acids via gas-phase ion/ion reactions. Analytica Chimica Acta, 2020, 1129, 31-39.	5.4	17
16	Differentiation and Quantification of Diastereomeric Pairs of Glycosphingolipids Using Gas-Phase Ion Chemistry. Analytical Chemistry, 2020, 92, 13387-13395.	6.5	14
17	Digital ion trap mass analysis of high mass protein complexes using IR activation coupled with ion/ion reactions. International Journal of Mass Spectrometry, 2020, 458, 116437.	1.5	5
18	Mass Analysis of Macro-molecular Analytes via Multiply-Charged Ion Attachment. Analytical Chemistry, 2020, 92, 16301-16306.	6.5	11

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19	Generation of Multiply Charged Protein Anions from Multiply Charged Protein Cations via Gas-Phase Ion/Ion Reactions. Journal of the American Society for Mass Spectrometry, 2020, 31, 1509-1517.	2.8	2
20	Proton Transfer Reactions for the Gas-Phase Separation, Concentration, and Identification of Cardiolipins. Analytical Chemistry, 2020, 92, 10847-10855.	6.5	7
21	Valet Parking for Protein Ion Charge State Concentration: Ion/Molecule Reactions in Linear Ion Traps. Analytical Chemistry, 2020, 92, 5419-5425.	6.5	3
22	Coupling Headgroup and Alkene Specific Solution Modifications with Gas-Phase Ion/Ion Reactions for Sensitive Glycerophospholipid Identification and Characterization. Journal of the American Society for Mass Spectrometry, 2020, 31, 938-945.	2.8	7
23	Ion trap operational modes for ion/ion reactions yielding high mass-to-charge product ions. International Journal of Mass Spectrometry, 2020, 451, 116313.	1.5	2
24	Structural Elucidation of Ether Glycerophospholipids Using Gas-Phase Ion/Ion Charge Inversion Chemistry. Journal of the American Society for Mass Spectrometry, 2020, 31, 1093-1103.	2.8	14
25	Gold(I) Cationization Promotes Ring Opening in Lysine-Containing Cyclic Peptides. Journal of the American Society for Mass Spectrometry, 2019, 30, 1914-1922.	2.8	3
26	Ion/ion charge inversion/attachment in conjunction with dipolar DC collisional activation as a selective screen for sulfo- and phosphopeptides. International Journal of Mass Spectrometry, 2019, 444, 116181.	1.5	9
27	Top-down analysis of disulfide-linked proteins using photoinduced radical reactions and ET-DDC. International Journal of Mass Spectrometry, 2019, 444, 116173.	1.5	7
28	Simultaneous Isolation of Nonadjacent m/z Ions Using Mirror Switching in an Electrostatic Linear Ion Trap. Analytical Chemistry, 2019, 91, 12574-12580.	6.5	7
29	Mirror Switching for High-Resolution Ion Isolation in an Electrostatic Linear Ion Trap. Analytical Chemistry, 2019, 91, 8789-8794.	6.5	11
30	Generating Fatty Acid Profiles in the Gas Phase: Fatty Acid Identification and Relative Quantitation Using Ion/Ion Charge Inversion Chemistry. Analytical Chemistry, 2019, 91, 9032-9040.	6.5	35
31	Dipolar DC induced collisional activation of nonâ€dissociated electronâ€transfer products. Journal of Mass Spectrometry, 2019, 54, 459-465.	1.6	3
32	Increasing the Upper Mass/Charge Limit of a Quadrupole Ion Trap for Ion/Ion Reaction Product Analysis via Waveform Switching. Journal of the American Society for Mass Spectrometry, 2019, 30, 1126-1132.	2.8	5
33	A Miniaturized Fourier Transform Electrostatic Linear Ion Trap Mass Spectrometer: Mass Range and Resolution. Journal of the American Society for Mass Spectrometry, 2019, 30, 588-594.	2.8	9
34	Gas-Phase Sequencing of Cyclotides: Introduction of Selective Ring Opening at Dehydroalanine via Ion/Ion Reaction. Analytical Chemistry, 2019, 91, 15608-15616.	6.5	5
35	Gas-Phase Ion/Ion Chemistry as a Probe for the Presence of Carboxylate Groups in Polypeptide Cations. Journal of the American Society for Mass Spectrometry, 2019, 30, 329-338.	2.8	7
36	In-depth structural characterization of phospholipids by pairing solution photochemical reaction with charge inversion ion/ion chemistry. Analytical and Bioanalytical Chemistry, 2019, 411, 4739-4749.	3.7	20

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37	Maximizing Selective Cleavages at Aspartic Acid and Proline Residues for the Identification of Intact Proteins. Journal of the American Society for Mass Spectrometry, 2019, 30, 34-44.	2.8	11
38	Infrared Population Transfer Spectroscopy of Cryo-Cooled Ions: Quantitative Tests of the Effects of Collisional Cooling on the Room Temperature Conformer Populations. Journal of Physical Chemistry A, 2018, 122, 2096-2107.	2.5	21
39	Determination of Collision Cross Sections Using a Fourier Transform Electrostatic Linear Ion Trap Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2018, 29, 242-250.	2.8	15
40	Novel peptide ion chemistry associated with gold (I) cationization: Preferential cleavage at lysine residues. International Journal of Mass Spectrometry, 2018, 427, 114-122.	1.5	4
41	Gas-Phase Ion/Ion Reactions Involving Tris-Phenanthroline Alkaline Earth Metal Complexes as Charge Inversion Reagents for the Identification of Fatty Acids. Analytical Chemistry, 2018, 90, 12861-12869.	6.5	57
42	Gasâ€phase rearrangement reaction of Schiffâ€baseâ€modified peptide ions. Rapid Communications in Mass Spectrometry, 2018, 32, 2166-2173.	1.5	3
43	INVESTIGATING ELECTRONIC AND STRUCTURAL CHANGES IMPOSED BY ZWITTERIONIC PARING IN MODEL PEPTIDE SYSTEMS USING IR-UV-IR TRIPLE RESONANCE SPECTROSCOPY. , 2018, , .		1
44	Enhanced Reactivity in Nucleophilic Acyl Substitution Ion/Ion Reactions Using Triazole-Ester Reagents. Journal of the American Society for Mass Spectrometry, 2017, 28, 1254-1261.	2.8	14
45	The Generation of Dehydroalanine Residues in Protonated Polypeptides: Ion/Ion Reactions for Introducing Selective Cleavages. Journal of the American Society for Mass Spectrometry, 2017, 28, 1765-1774.	2.8	8
46	Gas-Phase Oxidation via Ion/Ion Reactions: Pathways and Applications. Journal of the American Society for Mass Spectrometry, 2017, 28, 991-1004.	2.8	5
47	Utility of Higher Harmonics in Electrospray Ionization Fourier Transform Electrostatic Linear Ion Trap Mass Spectrometry. Analytical Chemistry, 2017, 89, 4392-4397.	6.5	8
48	Conformation-Specific Infrared and Ultraviolet Spectroscopy of Cold [YAPAA+H]⁺ and [YGPAA+H]⁺ Ions: A Stereochemical â€œTwistâ€on the Î²-Hairpin Turn. Journal of the American Chemical Society, 2017, 139, 5481-5493.	13.7	16
49	Preparation of Labile Ni⁺(cyclam) Cations in the Gas Phase Using Electron-Transfer Reduction through Ionâ€“Ion Recombination in an Ion Trap and Structural Characterization with Vibrational Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 5047-5052.	4.6	17
50	Fourier-Transform MS and Closed-Path Multireflection Time-of-Flight MS Using an Electrostatic Linear Ion Trap. Analytical Chemistry, 2017, 89, 10965-10972.	6.5	12
51	Trimethylation Enhancement Using ¹³C-Diazomethane: Gas-Phase Charge Inversion of Modified Phospholipid Cations for Enhanced Structural Characterization. Analytical Chemistry, 2017, 89, 9452-9458.	6.5	11
52	Joule Heating and Thermal Denaturation of Proteins in Nano-ESI Theta Tips. Journal of the American Society for Mass Spectrometry, 2017, 28, 2001-2010.	2.8	16
53	Simplification of electrospray mass spectra of Polysorbate 80 via cation transfer to carborane anions. Journal of Mass Spectrometry, 2016, 51, 453-458.	1.6	2
54	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. Journal of the American Society for Mass Spectrometry, 2016, 27, 1089-1098.	2.8	20

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55	A dual detector Fourier transform electrostatic linear ion trap utilizing in-trap potential lift. International Journal of Mass Spectrometry, 2016, 405, 1-8.	1.5	13
56	The dehydroalanine effect in the fragmentation of ions derived from polypeptides. Journal of Mass Spectrometry, 2016, 51, 857-866.	1.6	12
57	Selective Gas-Phase Oxidation and Localization of Alkylated Cysteine Residues in Polypeptide Ions via Ion/Ion Chemistry. Journal of Proteome Research, 2016, 15, 3139-3146.	3.7	9
58	Selective Gas-Phase Ion/Ion Reactions: Enabling Disulfide Mapping via Oxidation and Cleavage of Disulfide Bonds in Intermolecularly-Linked Polypeptide Ions. Analytical Chemistry, 2016, 88, 8972-8979.	6.5	23
59	Alkali Cation Chelation in Cold Î²-O-4 Tetralignol Complexes. Journal of Physical Chemistry A, 2016, 120, 7152-7166.	2.5	6
60	Gas-Phase Oxidation of Neutral Basic Residues in Polypeptide Cations by Periodate. Journal of the American Society for Mass Spectrometry, 2016, 27, 1979-1988.	2.8	6
61	Voltage-induced frequency drift correction in fourier transform electrostatic linear ion trap mass spectrometry using mirror-switching. International Journal of Mass Spectrometry, 2016, 410, 12-21.	1.5	6
62	Gas-Phase Folding of a Prototypical Protonated Pentapeptide: Spectroscopic Evidence for Formation of a Charge-Stabilized Î²-Hairpin. Journal of the American Chemical Society, 2016, 138, 2849-2857.	13.7	31
63	Strategies for generating peptide radical cations via ion/ion reactions. Journal of Mass Spectrometry, 2015, 50, 418-426.	1.6	9
64	Electroosmotically driven solution mixing in borosilicate theta glass nESI emitters. Journal of Mass Spectrometry, 2015, 50, 1063-1070.	1.6	10
65	Transformation of [M+2H]²⁺ Peptide Cations to [M â€“ H]⁺, [M+H+O]⁺, and M^{+â€¢} Cations via Ion/Ion Reactions: Reagent Anions Derived from Persulfate. Journal of the American Society for Mass Spectrometry, 2015, 26, 1103-1114.	2.8	10
66	Gas-Phase Amidation of Carboxylic Acids with Woodwardâ€™s Reagent K Ions. Journal of the American Society for Mass Spectrometry, 2015, 26, 1686-1694.	2.8	6
67	C-terminal peptide extension via gas-phase ion/ion reactions. International Journal of Mass Spectrometry, 2015, 391, 17-23.	1.5	8
68	Electrospray Droplet Exposure to Organic Vapors: Metal Ion Removal from Proteins and Protein Complexes. Analytical Chemistry, 2015, 87, 1210-1218.	6.5	34
69	Selective Removal of Alkali Metal Cations from Multiply-Charged Ions via Gas-Phase Ion/Ion Reactions Using Weakly Coordinating Anions. Journal of the American Society for Mass Spectrometry, 2015, 26, 404-414.	2.8	12
70	Injecting electrospray ions into a Fourier transform electrostatic linear ion trap. International Journal of Mass Spectrometry, 2015, 378, 281-287.	1.5	12
71	A method for isolating ions in quadrupole ion traps using an excitation waveform generated by frequency modulation and mixing. International Journal of Mass Spectrometry, 2015, 377, 329-337.	1.5	6
72	Gas phase click chemistry via ion/ion reactions. International Journal of Mass Spectrometry, 2015, 390, 118-123.	1.5	8

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73	Ion/Ion Reactions with â€œOniumâ€•Reagents: An Approach for the Gas-phase Transfer of Organic Cations to Multiply-Charged Anions. Journal of the American Society for Mass Spectrometry, 2015, 26, 818-825.	2.8	13
74	Electrospray droplet exposure to polar vapors: Delayed desolvation of protein complexes. Rapid Communications in Mass Spectrometry, 2015, 29, 973-981.	1.5	7
75	UV Photofragmentation and IR Spectroscopy of Cold, G-Type Î²-O-4 and Î²â€“Î² Dilignolâ€“Alkali Metal Complexes: Structure and Linkage-Dependent Photofragmentation. Journal of Physical Chemistry A, 2015, 119, 1917-1932.	2.5	11
76	Gas-Phase Chemical Separation of Phosphatidylcholine and Phosphatidylethanolamine Cations via Charge Inversion Ion/Ion Chemistry. Analytical Chemistry, 2015, 87, 11255-11262.	6.5	24
77	UV and IR spectroscopy of cold protonated leucine enkephalin. International Journal of Mass Spectrometry, 2015, 378, 196-205.	1.5	44
78	Gas Phase Reactivity of Carboxylates with N-Hydroxysuccinimide Esters. Journal of the American Society for Mass Spectrometry, 2015, 26, 174-180.	2.8	12
79	Efficient and directed peptide bond formation in the gas phase via ion/ion reactions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1288-1292.	7.1	25
80	Affecting Protein Charge State Distributions in Nano-Electrospray Ionization via In-Spray Solution Mixing Using Theta Capillaries. Analytical Chemistry, 2014, 86, 4581-4588.	6.5	61
81	Square wave modulation of a mirror lens for ion isolation in a Fourier transform electrostatic linear ion trap mass spectrometer. International Journal of Mass Spectrometry, 2014, 362, 1-8.	1.5	16
82	Oxidation of Methionine Residues in Polypeptide Ions Via Gas-Phase Ion/Ion Chemistry. Journal of the American Society for Mass Spectrometry, 2014, 25, 1049-1057.	2.8	19
83	Tandem Mass Spectrometry in an Electrostatic Linear Ion Trap Modified for Surface-Induced Dissociation. Analytical Chemistry, 2014, 86, 8822-8828.	6.5	10
84	Hydrogen/deuterium exchange in parallel with acid/base induced protein conformational change in electrospray droplets. Journal of Mass Spectrometry, 2014, 49, 437-444.	1.6	18
85	Fragmentation Reactions of Nucleic Acid Ions in the Gas Phase. Physical Chemistry in Action, 2014, , 131-182.	0.6	3
86	Cation Recombination Energy/Coulomb Repulsion Effects in ETD/ECD as Revealed by Variation of Charge per Residue at Fixed Total Charge. Journal of the American Society for Mass Spectrometry, 2013, 24, 1676-1689.	2.8	6
87	Reagent Cluster Anions for Multiple Gas-Phase Covalent Modifications of Peptide and Protein Cations. Journal of the American Society for Mass Spectrometry, 2013, 24, 1045-1052.	2.8	9
88	Gas-Phase Intramolecular Protein Crosslinking via Ion/Ion Reactions: Ubiquitin and a Homobifunctional sulfo-NHS Ester. Journal of the American Society for Mass Spectrometry, 2013, 24, 733-743.	2.8	29
89	The ornithine effect in peptide cation dissociation. Journal of Mass Spectrometry, 2013, 48, 856-861.	1.6	29
90	Electron transfer followed by collisionâ€•induced dissociation (NETâ€•CID) for generating sequence information from backboneâ€•modified oligonucleotide anions. Rapid Communications in Mass Spectrometry, 2013, 27, 249-257.	1.5	34

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91	Strategies for the gas phase modification of cationized arginine via ion/ion reactions. International Journal of Mass Spectrometry, 2013, 354-355, 211-218.	1.5	10
92	Absorption Mode Fourier Transform Electrostatic Linear Ion Trap Mass Spectrometry. Analytical Chemistry, 2013, 85, 8075-8079.	6.5	22
93	Gas-Phase Transformation of Phosphatidylcholine Cations to Structurally Informative Anions via Ion/Ion Chemistry. Analytical Chemistry, 2013, 85, 3752-3757.	6.5	28
94	Gas-Phase Reactivity of Carboxylic Acid Functional Groups with Carbodiimides. Journal of the American Society for Mass Spectrometry, 2013, 24, 30-37.	2.8	22
95	Gas-phase ion/ion reactions of peptides and proteins: acid/base, redox, and covalent chemistries. Chemical Communications, 2013, 49, 947-965.	4.1	50
96	A novel ion trap based tandem mass spectrometer for the spectroscopic study of cold gas phase polyatomic ions. International Journal of Mass Spectrometry, 2013, 348, 9-14.	1.5	70
97	Gas phase dissociation behavior of acyl-arginine peptides. International Journal of Mass Spectrometry, 2013, 354-355, 181-187.	1.5	7
98	Nondestructive Tandem Mass Spectrometry Using a Linear Quadrupole Ion Trap Coupled to a Linear Electrostatic Ion Trap. Analytical Chemistry, 2013, 85, 5226-5232.	6.5	24
99	Top-Down Interrogation of Chemically Modified Oligonucleotides by Negative Electron Transfer and Collision Induced Dissociation. Analytical Chemistry, 2013, 85, 4713-4720.	6.5	45
100	Trapping mode dipolar DC collisional activation in the RFâ€only ion guide of a linear ion trap/timeâ€ofâ€flight instrument for gaseous bioâ€ion declustering. Journal of Mass Spectrometry, 2013, 48, 1059-1065.	1.6	16
101	Electron transfer dissociation: Effects of cation charge state on product partitioning in ion/ion electron transfer to multiply protonated polypeptides. International Journal of Mass Spectrometry, 2012, 330-332, 174-181.	1.5	44
102	Analysis of High Mass-to-Charge Ions in a Quadrupole Ion Trap Mass Spectrometer via an End-Cap Quadrupolar Direct Current Downscan. Analytical Chemistry, 2012, 84, 7562-7569.	6.5	8
103	Ion/Ion Reactions of MALDI-Derived Peptide Ions: Increased Sequence Coverage via Covalent and Electrostatic Modification upon Charge Inversion. Analytical Chemistry, 2012, 84, 10679-10685.	6.5	16
104	Gas-Phase Conjugation to Arginine Residues in Polypeptide Ions via N-Hydroxysuccinimide Ester-Based Reagent Ions. Journal of the American Chemical Society, 2012, 134, 11412-11414.	13.7	35
105	Collisionâ€induced dissociation of oligonucleotide anions fully modified at the 2'â€position of the ribose: 2'â€F/â€H and 2'â€F/â€H/â€OMe mixâ€mers. Journal of Mass Spectrometry, 2012, 47, 364-369.	1.6	26
106	Covalent and nonâ€covalent binding in the ion/ion charge inversion of peptide cations with benzeneâ€disulfonic acid anions. Journal of Mass Spectrometry, 2012, 47, 669-675.	1.6	20
107	Dipolar DC Collisional Activation in a â€œStretchedâ€•3-D Ion Trap: The Effect of Higher Order Fields on rf-Heating. Journal of the American Society for Mass Spectrometry, 2012, 23, 736-744.	2.8	30
108	Dissociation behavior of tryptic and intramolecular disulfide-linked peptide ions modified in the gas phase via ion/ion reactions. International Journal of Mass Spectrometry, 2012, 312, 195-200.	1.5	20

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109	Vapor Treatment of Electrospray Droplets: Evidence for the Folding of Initially Denatured Proteins on the Sub-Millisecond Time-Scale. Journal of the American Society for Mass Spectrometry, 2012, 23, 88-101.	2.8	27
110	Solution Versus Gas-Phase Modification of Peptide Cations with NHS-Ester Reagents. Journal of the American Society for Mass Spectrometry, 2012, 23, 282-289.	2.8	23
111	The effect of reagent charge state on the charge inversion efficiency of singly charged polyatomic ions in the gas phase. Physical Chemistry Chemical Physics, 2011, 13, 18418.	2.8	3
112	Negative Electrospray Droplet Exposure to Gaseous Bases for the Manipulation of Protein Charge State Distributions. Analytical Chemistry, 2011, 83, 431-437.	6.5	49
113	Chemical Noise Reduction via Mass Spectrometry and Ion/Ion Charge Inversion: Amino Acids. Analytical Chemistry, 2011, 83, 3252-3255.	6.5	19
114	DC potentials applied to an end-cap electrode of a 3D ion trap for enhanced MSn functionality. International Journal of Mass Spectrometry, 2011, 306, 114-122.	1.5	22
115	Cleavage of multiple disulfide bonds in insulin via gold cationization and collision-induced dissociation. International Journal of Mass Spectrometry, 2011, 308, 133-136.	1.5	21
116	Ion/Neutral, Ion/Electron, Ion/Photon, and Ion/Ion Interactions in Tandem Mass Spectrometry: Do We Need Them All? Are They Enough?. Journal of the American Society for Mass Spectrometry, 2011, 22, 3-12.	2.8	75
117	Intra- and Inter-Molecular Cross-Linking of Peptide Ions in the Gas Phase: Reagents and Conditions. Journal of the American Society for Mass Spectrometry, 2011, 22, 912-21.	2.8	30
118	Adaptation of a 3-D Quadrupole Ion Trap for Dipolar DC Collisional Activation. Journal of the American Society for Mass Spectrometry, 2011, 22, 1486-1492.	2.8	31
119	Charge inversion via concurrent cation and anion transfer: application to corticosteroids. Rapid Communications in Mass Spectrometry, 2011, 25, 476-482.	1.5	4
120	Implementation of dipolar direct current (DDC) collisionâ€induced dissociation in storage and transmission modes on a quadrupole/timeâ€ofâ€flight tandem mass spectrometer. Rapid Communications in Mass Spectrometry, 2011, 25, 2500-2510.	1.5	25
121	Electrospray droplet exposure to gaseous acids for reduction of metal counter-ions in nucleic acid ions. International Journal of Mass Spectrometry, 2011, 300, 158-166.	1.5	21
122	Gas-phase ion/ion reactions of rubrene cations and multiply charged DNA and RNA anions. International Journal of Mass Spectrometry, 2011, 304, 140-147.	1.5	15
123	The Emerging Role of Ion/Ion Reactions in Biological Mass Spectrometry: Considerations for Reagent Ion Selection. European Journal of Mass Spectrometry, 2010, 16, 429-436.	1.0	20
124	Ion trap collision-induced dissociation of locked nucleic acids. Journal of the American Society for Mass Spectrometry, 2010, 21, 144-153.	2.8	23
125	Top-down tandem mass spectrometry of tRNA via ion trap collision-induced dissociation. Journal of the American Society for Mass Spectrometry, 2010, 21, 890-898.	2.8	52
126	Topâ€down protein characterization facilitated by ion/ion reactions on a quadrupole/time of flight platform. Proteomics, 2010, 10, 3577-3588.	2.2	21

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127	Gas-Phase Bioconjugation of Peptides via Ion/Ion Charge Inversion: Schiff Base Formation on the Conversion of Cations to Anions. Analytical Chemistry, 2010, 82, 1594-1597.	6.5	38
128	Quantitative Determination of Biogenic Volatile Organic Compounds in the Atmosphere Using Proton-Transfer Reaction Linear Ion Trap Mass Spectrometry. Analytical Chemistry, 2010, 82, 7952-7957.	6.5	35
129	Adjacent Pulsed Nanoelectrospray Ionization Emitters for the Alternating Generation of Ions of Opposite Polarity. Analytical Chemistry, 2010, 82, 1147-1150.	6.5	4
130	Electrospray Droplet Exposure to Gaseous Acids for the Manipulation of Protein Charge State Distributions. Analytical Chemistry, 2010, 82, 7422-7429.	6.5	84
131	Covalent Modification of Gaseous Peptide Ions with N-Hydroxysuccinimide Ester Reagent Ions. Journal of the American Chemical Society, 2010, 132, 18248-18257.	13.7	56
132	Gas-Phase Chemistry of Multiply Charged Bioions in Analytical Mass Spectrometry. Annual Review of Analytical Chemistry, 2010, 3, 365-385.	5.4	25
133	Selective Covalent Bond Formation in Polypeptide Ions via Gas-Phase Ion/Ion Reaction Chemistry. Journal of the American Chemical Society, 2009, 131, 12884-12885.	13.7	48
134	Transmission mode ion/ion reactions in the radiofrequencyâ€only ion guide of hybrid tandem mass spectrometers. Rapid Communications in Mass Spectrometry, 2009, 23, 409-418.	1.5	5
135	Dissociation of disulfideâ€intact somatostatin ions: the roles of ion type and dissociation method. Rapid Communications in Mass Spectrometry, 2009, 23, 2647-2655.	1.5	32
136	Charge state dependent fragmentation of gaseous Î±-synuclein cations via ion trap and beam-type collisional activation. International Journal of Mass Spectrometry, 2009, 283, 9-16.	1.5	35
137	The role of amino acid composition in the charge inversion of deprotonated peptides via gas-phase ion/ion reactions. Journal of the American Society for Mass Spectrometry, 2009, 20, 180-187.	2.8	13
138	Electron transfer dissociation of amide nitrogen methylated polypeptide cations. Journal of the American Society for Mass Spectrometry, 2009, 20, 1349-1354.	2.8	15
139	Transition metal complex cations as reagents for gas-phase transformation of multiply deprotonated polypeptides. Journal of the American Society for Mass Spectrometry, 2009, 20, 1718-1722.	2.8	26
140	Ion/Ion Reactions: New Chemistry for Analytical MS. Analytical Chemistry, 2009, 81, 8669-8676.	6.5	53
141	Simultaneous Transmission Mode Collision-Induced Dissociation and Ion/Ion Reactions for Top-Down Protein Identification/Characterization Using a Quadrupole/Time-of-Flight Tandem Mass Spectrometer. Analytical Chemistry, 2009, 81, 2159-2167.	6.5	10
142	Top-Down Protein Identification/Characterization of a Priori Unknown Proteins via Ion Trap Collision-Induced Dissociation and Ion/Ion Reactions in a Quadrupole/Time-of-Flight Tandem Mass Spectrometer. Analytical Chemistry, 2009, 81, 1433-1441.	6.5	20
143	Conversion of multiple analyte cation types to a single analyte anion type via ion/ion charge inversion. Analyst, The, 2009, 134, 2262.	3.5	8
144	Tailored-waveform collisional activation of peptide ion electron transfer survivor ions in cation transmission mode ion/ion reaction experiments. Analyst, The, 2009, 134, 681.	3.5	13

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145	Peptide and Protein Ion/Ion Reactions in Electrodynamic Ion Traps: Tools and Methods. Methods in Molecular Biology, 2009, 492, 395-412.	0.9	3
146	Ion/Ion Reactions in Electrodynamic Ion Traps. , 2009, , 3-33.		0
147	Protein identification via ionâ€trap collisionâ€induced dissociation and examination of lowâ€mass product ions. Journal of Mass Spectrometry, 2008, 43, 23-34.	1.6	10
148	Charge inversion of polypeptide anions using protein and dendrimer cations as charge inversion reagents. International Journal of Mass Spectrometry, 2008, 276, 102-109.	1.5	17
149	Evolution of instrumentation for the study of gas-phase ion/ion chemistry via mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 173-189.	2.8	38
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