Scott A Mcluckey

List of Publications by Year
in descending order

362	16,675	14655 66	25787 108
papers	citations	h-index	g-index

367	367	367	5609
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tandem Mass Spectrometry of Small, Multiply Charged Oligonucleotides. Journal of the American Society for Mass Spectrometry, 1992, 3, 60-70.	2.8	508
2	Thermochemical determinations by the kinetic method. Mass Spectrometry Reviews, 1994, 13, 287-339.	5.4	496
3	SPECIAL FEATURE:TUTORIAL Slow Heating Methods in Tandem Mass Spectrometry. Journal of Mass Spectrometry, 1997, 32, 461-474.	1.6	393
4	Collisionâ€Induced Dissociation (CID) of Peptides and Proteins. Methods in Enzymology, 2005, 402, 148-185.	1.0	357
5	Principles of collisional activation in analytical mass spectrometry. Journal of the American Society for Mass Spectrometry, 1992, 3, 599-614.	2.8	342
6	Electrochemical origin of radical cations observed in electrospray ionization mass spectra. Analytical Chemistry, 1992, 64, 1586-1593.	6.5	291
7	Decompositions of multiply charged oligonucleotide anions. Journal of the American Chemical Society, 1993, 115, 12085-12095.	13.7	282
8	?Top down? protein characterization via tandem mass spectrometry. Journal of Mass Spectrometry, 2002, 37, 663-675.	1.6	273
9	Electrospray ionization combined with ion trap mass spectrometry. Analytical Chemistry, 1990, 62, 1284-1295.	6.5	260
10	Ion/ion chemistry of high-mass multiply charged ions. Mass Spectrometry Reviews, 1998, 17, 369-407.	5.4	215
11	Complementary Structural Information from a TrypticN-Linked Glycopeptide via Electron Transfer Ion/Ion Reactions and Collision-Induced Dissociation. Journal of Proteome Research, 2005, 4, 628-632.	3.7	196
12	Ion/Ion Reactions in the Gas Phase:Â Proton Transfer Reactions Involving Multiply-Charged Proteins. Journal of the American Chemical Society, 1996, 118, 7390-7397.	13.7	189
13	Atmospheric sampling glow discharge ionization source for the determination of trace organic compounds in ambient air. Analytical Chemistry, 1988, 60, 2220-2227.	6.5	179
14	Reactions of dimethylamine with multiply charged ions of cytochrome c. Journal of the American Chemical Society, 1990, 112, 5668-5670.	13.7	175
15	Electrospray ionization of porphyrins using a quadrupole ion trap for mass analysis. Analytical Chemistry, 1991, 63, 1098-1109.	6.5	167
16	Mass Analysis at the Advent of the 21st Century. Chemical Reviews, 2001, 101, 571-606.	47.7	158
17	Recent developments in the ion/ion chemistry of high-mass multiply charged ions. Mass Spectrometry Reviews, 2005, 24, 931-958.	5.4	153
18	Electron Transfer versus Proton Transfer in Gas-Phase Ion/Ion Reactions of Polyprotonated Peptides. Journal of the American Chemical Society, 2005, 127, 12627-12639.	13.7	152

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19	Ion isolation and sequential stages of mass spectrometry in a quadrupole ion trap mass spectrometer. International Journal of Mass Spectrometry and Ion Processes, 1990, 96, 117-137.	1.8	151
20	Electron Transfer Ion/Ion Reactions in a Three-Dimensional Quadrupole Ion Trap:â€‰ Reactions of Doubly and Triply Protonated Peptides with SO2â€¢-. Analytical Chemistry, 2005, 77, 1831-1839.	6.5	151
21	Charge-State-Dependent Sequence Analysis of Protonated Ubiquitin Ions via Ion Trap Tandem Mass Spectrometry. Analytical Chemistry, 2001, 73, 3274-3281.	6.5	143
22	Gas-phase fragmentation of oligonucleotide ions. International Journal of Mass Spectrometry, 2004, 237, 197-241.	1.5	136
23	Simplification of Product Ion Spectra Derived from Multiply Charged Parent Ions via Ion/Ion Chemistry. Analytical Chemistry, 1998, 70, 3533-3544.	6.5	130
24	Ion Trap Mass Spectrometry. Chemical & Engineering News, 1991, 69, 26-41.	0.1	129
25	Theory of high-resolution mass spectrometry achieved via resonance ejection in the quadrupole ion trap. Analytical Chemistry, 1992, 64, 1434-1439.	6.5	125
26	Ion/Ion Proton Transfer Reactions for Protein Mixture Analysis. Analytical Chemistry, 1996, 68, 4026-4032.	6.5	125
27	Implementation of Ion/Ion Reactions in a Quadrupole/Time-of-Flight Tandem Mass Spectrometer. Analytical Chemistry, 2006, 78, 4146-4154.	6.5	125
28	Ion spray liquid chromatography/ion trap mass spectrometry determination of biomolecules. Analytical Chemistry, 1991, 63, 375-383.	6.5	115
29	Electron-Transfer Ion/Ion Reactions of Doubly Protonated Peptides:Â Effect of Elevated Bath Gas Temperature. Analytical Chemistry, 2005, 77, 5662-5669.	6.5	112
30	Differentiation of aspartic and isoaspartic acids using electron transfer dissociation. Journal of the American Society for Mass Spectrometry, 2006, 17, 15-19.	2.8	112
31	Selective ion isolation/rejection over a broad mass range in the quadrupole ion trap. Journal of the American Society for Mass Spectrometry, 1991, 2, 11-21.	2.8	109
32	Ion Parking during Ion/Ion Reactions in Electrodynamic Ion Traps. Analytical Chemistry, 2002, 74, 336-346.	6.5	109
33	Coupling of an atmospheric-samling ion source with an ion-trap mass spectrometer. Analytica Chimica Acta, 1989, 225, 25-35.	5.4	108
34	Charge determination of product ions formed from collision-induced dissociation of multiply protonated molecules via ion/molecule reactions. Analytical Chemistry, 1991, 63, 1971-1978.	6.5	108
35	Mutual storage mode ion/ion reactions in a hybrid linear ion trap. Journal of the American Society for Mass Spectrometry, 2005, 16, 71-81.	2.8	108
36	Gas-Phase Concentration, Purification, and Identification of Whole Proteins from Complex Mixtures. Journal of the American Chemical Society, 2002, 124, 7353-7362.	13.7	103

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37	SO2â˜Â· electron transfer ion/ion reactions with disulfide linked polypeptide ions. Journal of the American Society for Mass Spectrometry, 2005, 16, 1020-1030.	2.8	101
38	Ion trap mass spectrometry of externally generated ions. Analytical Chemistry, 1994, 66, 689A-696A.	6.5	99
39	Alternately Pulsed Nanoelectrospray Ionization/Atmospheric Pressure Chemical Ionization for Ion/Ion Reactions in an Electrodynamic Ion Trap. Analytical Chemistry, 2006, 78, 3208-3212.	6.5	93
40	Dissociations of Disulfide-Linked Gaseous Polypeptide/Protein Anions:Â Ion Chemistry with Implications for Protein Identification and Characterization. Journal of Proteome Research, 2002, 1, 549-557.	3.7	92
41	Charge dependence of protonated insulin decompositions. International Journal of Mass Spectrometry, 2000, 203, A1-A9.	1.5	90
42	Pulsed dual electrospray ionization for In/In reactions. Journal of the American Society for Mass Spectrometry, 2005, 16, 1750-1756.	2.8	87
43	Evolution of ion internal energy during collisional excitation in the Paul ion trap: A stochastic approach. Journal of Chemical Physics, 1996, 104, 2214-2221.	3.0	85
44	Identification of Bacteriophage MS2 Coat Protein fromE. coliLysates via Ion Trap Collisional Activation of Intact Protein Ions. Analytical Chemistry, 2001, 73, 1277-1285.	6.5	85
45	Selective Disulfide Bond Cleavage in Gold(I) Cationized Polypeptide Ions Formed via Gas-Phase Ion/Ion Cation Switching. Journal of Proteome Research, 2006, 5, 2087-2092.	3.7	85
46	Electrospray Droplet Exposure to Gaseous Acids for the Manipulation of Protein Charge State Distributions. Analytical Chemistry, 2010, 82, 7422-7429.	6.5	84
47	Gas-Phase Electron Transfer Reactions from Multiply-Charged Anions to Rare Gas Cations. Journal of the American Chemical Society, 1995, 117, 11555-11562.	13.7	83
48	Adaptation of the Paul trap for study of the reaction of multiply charged cations with singly charged anions. International Journal of Mass Spectrometry and Ion Processes, 1997, 162, 89-106.	1.8	82
49	Ion trap tandem mass spectrometry applied to small multiply charged oligonucleotides with a modified base. Journal of the American Society for Mass Spectrometry, 1994, 5, 740-747.	2.8	81
50	Filtered noise field signals for mass-selective accumulation of externally formed ions in a quadrupole ion trap. Analytical Chemistry, 1994, 66, 313-318.	6.5	80
51	Resonance Ejection Ion Trap Mass Spectrometry and Nonlinear Field Contributions: The Effect of Scan Direction on Mass Resolution. Analytical Chemistry, 1994, 66, 725-729.	6.5	79
52	Multiple stages of mass spectrometry in a quadrupole ion trap mass spectrometer: prerequisites. International Journal of Mass Spectrometry and Ion Processes, 1991, 106, 213-235.	1.8	78
53	Ion Trap Collisional Activation of c and zâ€¢ Ions Formed via Gas-Phase Ion/Ion Electron-Transfer Dissociation. Journal of Proteome Research, 2007, 6, 3062-3069.	3.7	78
54	Effects of Cation Charge-Site Identity and Position on Electron-Transfer Dissociation of Polypeptide Cations. Journal of the American Chemical Society, 2007, 129, 12232-12243.	13.7	76

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55	Ion Trap Collisional Activation of the (M + 2H)2+â^' (M + 17H)17+Ions of Human Hemoglobin Î²-Chain. Analytical Chemistry, 2000, 72, 899-907.	6.5	75
56	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
57	Ion/Ion Proton-Transfer Kinetics:Â Implications for Analysis of Ions Derived from Electrospray of Protein Mixtures. Analytical Chemistry, 1998, 70, 1198-1202.	6.5	74
58	Tandem Mass Spectrometry of Ribonuclease A and B:Â N-Linked Glycosylation Site Analysis of Whole Protein Ions. Analytical Chemistry, 2002, 74, 577-583.	6.5	74
59	Ion trap collision-induced dissociation of multiply deprotonated RNA: c/y-ions versus (a-B)/w-ions. Journal of the American Society for Mass Spectrometry, 2008, 19, 1832-1840.	2.8	74
60	Preforming ions in solution via charge-transfer complexation for analysis by electrospray ionization mass spectrometry. Analytical Chemistry, 1991, 63, 2064-2068.	6.5	73
61	Relative dissociation energy measurements using ion trap collisional activation. Journal of the American Society for Mass Spectrometry, 1994, 5, 250-259.	2.8	71
62	Formation and Characterization of Proteinâ^'Protein Complexes in Vacuo. Journal of the American Chemical Society, 2003, 125, 7238-7249.	13.7	71
63	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
64	Collision-activated dissociation of negative ions in an ion trap mass spectrometer. Analytical Chemistry, 1987, 59, 1670-1674.	6.5	69
65	Ion trap collisional activation of disulfide linkage intact and reduced multiply protonated polypeptidesâ€. , 1999, 13, 2040-2048.		68
66	Nanoelectrospray Ionization of Protein Mixtures:â€‰ Solution pH and Protein pI. Analytical Chemistry, 2004, 76, 1165-1174.	6.5	68
67	High Explosives Vapor Detection by Glow Discharge-Ion Trap Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 287-298.	1.5	67
68	Charge state dependent collision-induced dissociation of native and reduced porcine elastase. Journal of Mass Spectrometry, 2003, 38, 245-256.	1.6	67
69	Matrix-assisted laser desorption of biological molecules in the quadrupole ion trap mass spectrometer. Analytical Chemistry, 1993, 65, 14-20.	6.5	66
70	Chargedvs. neutral nucleobase loss from multiply charged oligonucleotide anions. Journal of Mass Spectrometry, 1995, 30, 1222-1229.	1.6	66
71	Ion trap collisional activation of the deprotonated deoxymononucleoside and deoxydinucleoside monophosphates. Journal of the American Society for Mass Spectrometry, 1995, 6, 102-113.	2.8	66
72	Self chemical ionization in an ion trap mass spectrometer. Analytical Chemistry, 1988, 60, 2312-2314.	6.5	64

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73	Electron transfer dissociation of multiply protonated and fixed charge disulfide linked polypeptides. International Journal of Mass Spectrometry, 2007, 265, 130-138.	1.5	64
74	Radio-frequency glow discharge ion trap mass spectrometry. Analytical Chemistry, 1992, 64, 1606-1609.	6.5	63
75	Collisional activation with random noise in ion trap mass spectrometry. Analytical Chemistry, 1992, 64, 1455-1460.	6.5	63
76	Ion trap mass spectrometry using high-pressure ionization. Analytical Chemistry, 1994, 66, 737A-743A.	6.5	63
77	Ion-ion reactions in the gas phase: Proton transfer reactions of protonated pyridine with multiply charged oligonucleotide anions. Journal of the American Society for Mass Spectrometry, 1995, 6, 529-532.	2.8	63
78	Competition between resonance ejection and ion dissociation during resonant excitation in a quadrupole ion trap. Journal of the American Society for Mass Spectrometry, 1994, 5, 1031-1041.	2.8	62
79	Gaseous Protein Cations Are Amphoteric. Journal of the American Chemical Society, 1997, 119, 1688-1696.	13.7	62
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	Whole Protein Dissociation in a Quadrupole Ion Trap:Â Identification of an a Priori Unknown Modified Protein. Analytical Chemistry, 2004, 76, 720-727.	6.5	60
82	Two Ion/Ion Charge Inversion Steps To Form a Doubly Protonated Peptide from a Singly Protonated Peptide in the Gas Phase. Journal of the American Chemical Society, 2003, 125, 7756-7757.	13.7	59
83	Relative gas-phase acidities from triple quadrupole mass spectrometers. International Journal of Mass Spectrometry and Ion Physics, 1982, 42, 115-124.	1.3	58
84	Ion-trap mass spectrometry with an inductively coupled plasma source. Rapid Communications in Mass Spectrometry, 1994, 8, 71-76.	1.5	58
85	Activation of Intact Electron-Transfer Products of Polypeptides and Proteins in Cation Transmission Mode Ion/Ion Reactions. Analytical Chemistry, 2008, 80, 1111-1117.	6.5	58
86	Oligonucleotide Mixture Analysis via Electrospray and Ion/Ion Reactions in a Quadrupole Ion Trap. Analytical Chemistry, 2002, 74, 976-984.	6.5	57
87	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
88	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
89	Phosphopeptide Anion Characterization via Sequential Charge Inversion and Electron-Transfer Dissociation. Analytical Chemistry, 2006, 78, 3788-3793.	6.5	55
90	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

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91	Product Ion Charge State Determination via Ion/Ion Proton Transfer Reactions. Analytical Chemistry, 1996, 68, 257-262.	6.5	54
92	â€œDuelingâ€•ESI: Instrumentation to study ion/ion reactions of electrospray-generated cations and anions. Journal of the American Society for Mass Spectrometry, 2002, 13, 614-622.	2.8	54
93	Ion/Molecule Reactions of Cation Radicals Formed from Protonated Polypeptides via Gas-Phase Ion/Ion Electron Transfer. Journal of the American Chemical Society, 2006, 128, 11792-11798.	13.7	54
94	Ion-ion proton transfer reactions of bio-ions involving noncovalent interactions: Holomyoglobin. Journal of the American Society for Mass Spectrometry, 1997, 8, 637-644.	2.8	53
95	Collision-Induced Dissociation of Intact Duplex and Single-Stranded siRNA Anions. Analytical Chemistry, 2008, 80, 8501-8508.	6.5	53
96	Ion/Ion Reactions: New Chemistry for Analytical MS. Analytical Chemistry, 2009, 81, 8669-8676.	6.5	53
97	Counting Basic Sites in Oligopeptides via Gas-Phase Ion Chemistry. Analytical Chemistry, 1997, 69, 281-285.	6.5	52
98	Gaseous apomyoglobin ion dissociation in a quadrupole ion trap: [M + 2H] 2+ -[M + 21H] 21+ 1 1Prepared for submission to the International Journal of Mass Spectrometry in honor of Prof. R. Graham Cooks on the occasion of his 60th birthday. International Journal of Mass Spectrometry, 2001, 212, 359-376.	1.5	52
99	Performance of a quadrupole ion trap mass spectrometer adapted for ion/ion reaction studies. International Journal of Mass Spectrometry, 2003, 222, 243-258.	1.5	52
100	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
101	Accumulation and Storage of Ionized Duplex DNA Molecules in a Quadrupole Ion Trap. Analytical Chemistry, 1994, 66, 3416-3422.	6.5	51
102	Ion/Molecule Reactions for Improved Effective Mass Resolution in Electrospray Mass Spectrometry. Analytical Chemistry, 1995, 67, 2493-2497.	6.5	51
103	Relaxation of internally excited high-mass ions simulated under typical quadrupole ion trap storage conditions. International Journal of Mass Spectrometry, 1998, 177, 163-174.	1.5	51
104	Charge state dependent fragmentation of gaseous protein ions in a quadrupole ion trap: bovine ferri-, ferro-, and apo-cytochrome c. International Journal of Mass Spectrometry, 2002, 219, 171-187.	1.5	51
105	Ion/ion chemistry as a top-down approach for protein analysis. Current Opinion in Biotechnology, 2002, 13, 57-64.	6.6	50
106	The Effect of Small Cations on the Positive Electrospray Responses of Proteins at Low pH. Analytical Chemistry, 2003, 75, 5468-5474.	6.5	50
107	Reagent Anions for Charge Inversion of Polypeptide/Protein Cations in the Gas Phase. Analytical Chemistry, 2005, 77, 3173-3182.	6.5	50
108	Gas-phase ion/ion reactions of peptides and proteins: acid/base, redox, and covalent chemistries. Chemical Communications, 2013, 49, 947-965.	4.1	50

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109	Charge manipulation for improved mass determination of high-mass species and mixture components by electrospray mass spectrometry. , 1998, 33, 664-672.		49
110	Negative Electrospray Droplet Exposure to Gaseous Bases for the Manipulation of Protein Charge State Distributions. Analytical Chemistry, 2011, 83, 431-437.	6.5	49
111	Capillary electrophoresis/electrospray ionization ion trap mass spectrometry using a sheathless interface. Journal of Separation Science, 1995, 7, 461-469.	1.0	48
112	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
113	Thermal Dissociation of Gaseous Bradykinin Ions. Journal of Physical Chemistry A, 1999, 103, 8664-8671.	2.5	47
114	A Quadrupole Ion Trap Mass Spectrometer with Three Independent Ion Sources for the Study of Gas-Phase Ion/Ion Reactions. Analytical Chemistry, 2002, 74, 6237-6243.	6.5	47
115	Gas-Phase Peptide/Protein Cationizing Agent Switching via Ion/Ion Reactions. Journal of the American Chemical Society, 2003, 125, 12404-12405.	13.7	47
116	Parallel Ion Parking of Protein Mixtures. Analytical Chemistry, 2006, 78, 310-316.	6.5	47
117	Mass spectrometry studies of the ionization of organic molecules by low-energy positrons. Chemical Physics Letters, 1993, 216, 236-240.	2.6	46
118	Thermal dissociation in the quadrupole ion trap: ions derived from leucine enkephalin. International Journal of Mass Spectrometry, 1999, 185-187, 207-219.	1.5	46
119	Laser desorption mass spectrometry and MS/MS with a three-dimensional quadrupole ion trap. International Journal of Mass Spectrometry and Ion Processes, 1989, 94, 15-24.	1.8	45
120	Ion internal temperature and ion trap collisional activation: protonated leucine enkephalin. International Journal of Mass Spectrometry, 1999, 182-183, 275-288.	1.5	45
121	Generation and manipulation of sodium cationized peptides in the gas phase. Journal of the American Society for Mass Spectrometry, 2004, 15, 607-615.	2.8	45
122	Top-Down Interrogation of Chemically Modified Oligonucleotides by Negative Electron Transfer and Collision Induced Dissociation. Analytical Chemistry, 2013, 85, 4713-4720.	6.5	45
123	Electrospray Ionization of Protein Mixtures at Low pH. Analytical Chemistry, 2003, 75, 1491-1499.	6.5	44
124	Development of a Proton-Transfer Reaction-Linear Ion Trap Mass Spectrometer for Quantitative Determination of Volatile Organic Compounds. Analytical Chemistry, 2008, 80, 8171-8177.	6.5	44
125	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
126	UV and IR spectroscopy of cold protonated leucine enkephalin. International Journal of Mass Spectrometry, 2015, 378, 196-205.	1.5	44

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127	Rapidly Alternating Transmission Mode Electron-Transfer Dissociation and Collisional Activation for the Characterization of Polypeptide Ions. Analytical Chemistry, 2008, 80, 3492-3497.	6.5	43
128	Recent Developments in Gas-Phase Ion/Ion Reactions for Analytical Mass Spectrometry. Analytical Chemistry, 2020, 92, 252-266.	6.5	43
129	Increasing the Negative Charge of a Macroanion in the Gas Phase via Sequential Charge Inversion Reactions. Analytical Chemistry, 2004, 76, 4189-4192.	6.5	42
130	Parallel Ion Parking:Â Improving Conversion of Parents to First-Generation Products in Electron Transfer Dissociation. Analytical Chemistry, 2005, 77, 3411-3414.	6.5	42
131	Ion Trap versus Low-Energy Beam-Type Collision-Induced Dissociation of Protonated Ubiquitin Ions. Analytical Chemistry, 2006, 78, 1218-1227.	6.5	42
132	Ion/Ion reactions for oligopeptide mixture analysis: application to mixtures comprised of 0.5â€“100 kDa components. Journal of the American Society for Mass Spectrometry, 1998, 9, 585-596.	2.8	41
133	Tandem mass spectrometry of half-generation PAMAM dendrimer anions. Rapid Communications in Mass Spectrometry, 2004, 18, 960-972.	1.5	41
134	The Reactivity of Gaseous Ions of Bradykinin and Its Analogues with Hydro- and Deuteroiodic Acid. Journal of the American Chemical Society, 1999, 121, 8907-8919.	13.7	40
135	Electron transfer dissociation of doubly sodiated glycerophosphocholine lipids. Journal of the American Society for Mass Spectrometry, 2007, 18, 1783-1788.	2.8	38
136	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
137	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
138	Gas phase H/D exchange kinetics: DI versus D2O. Journal of the American Society for Mass Spectrometry, 2000, 11, 167-171.	2.8	37
139	Phosphorylation Site Identification via Ion Trap Tandem Mass Spectrometry of Whole Protein and Peptide Ions:Â Bovine Î±-Crystallin A Chain. Analytical Chemistry, 2003, 75, 6509-6516.	6.5	37
140	Electron Transfer Dissociation of iTRAQ Labeled Peptide Ions. Journal of Proteome Research, 2008, 7, 3643-3648.	3.7	37
141	Dynamic range extension in glow discharge quadrupole ion trap mass spectrometry. Analytical Chemistry, 1994, 66, 92-98.	6.5	36
142	Electron-Transfer Reagent Anion Formation via Electrospray Ionization and Collision-Induced Dissociation. Analytical Chemistry, 2006, 78, 7387-7391.	6.5	35
143	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
144	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

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145	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
146	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
147	Formation of Proteinâ^'Protein Complexes in Vacuo. Journal of the American Chemical Society, 2001, 123, 12428-12429.	13.7	34
148	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
149	Electrospray Droplet Exposure to Organic Vapors: Metal Ion Removal from Proteins and Protein Complexes. Analytical Chemistry, 2015, 87, 1210-1218.	6.5	34
150	Transmission Mode Ion/Ion Electron-Transfer Dissociation in a Linear Ion Trap. Analytical Chemistry, 2007, 79, 3363-3370.	6.5	33
151	Charge state effects in the decompositions of single-nucleobase oligonucleotide polyanions. International Journal of Mass Spectrometry and Ion Processes, 1997, 162, 1-16.	1.8	32
152	A pulsed triple ionization source for sequential ion/ion reactions in an electrodynamic ion trap. Journal of the American Society for Mass Spectrometry, 2007, 18, 369-376.	2.8	32
153	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
154	Ion Remeasurement in the Radio Frequency Quadrupole Ion Trap. Analytical Chemistry, 1995, 67, 4164-4169.	6.5	31
155	Charge Reduction of Oligonucleotide Anions Via Gas-phase Electron Transfer to Xenon Cations. , 1997, 11, 875-880.		31
156	Gas-Phase Ion/Ion Reactions of Multiply Protonated Polypeptides with Metal Containing Anions. Journal of Physical Chemistry A, 2005, 109, 3608-3616.	2.5	31
157	Electron Transfer Dissociation of Peptides Generated by Microwave D-Cleavage Digestion of Proteins. Journal of Proteome Research, 2008, 7, 1867-1872.	3.7	31
158	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
159	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
160	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
161	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
162	Reactions of poly(ethylene glycol) cations with iodide and perfluorocarbon anions. Journal of the American Society for Mass Spectrometry, 1998, 9, 957-965.	2.8	29

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163	Dissociation reactions of gaseous ferro-, ferri-, and apo-cytochrome c ions. Journal of the American Society for Mass Spectrometry, 2001, 12, 873-876.	2.8	29
164	Positive Ion Transmission Mode Ion/Ion Reactions in a Hybrid Linear Ion Trap. Analytical Chemistry, 2004, 76, 5006-5015.	6.5	29
165	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
166	The ornithine effect in peptide cation dissociation. Journal of Mass Spectrometry, 2013, 48, 856-861.	1.6	29
167	The effect of charge on hydroxyl loss from ortho-substituted nitrobenzene ions. Organic Mass Spectrometry, 1987, 22, 224-228.	1.3	28
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