

Scott A Mcluckey

List of Publications by Year in descending order

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362
papers

16,675
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15466

65
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26548

107
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367
all docs

367
docs citations

367
times ranked

5609
citing authors

#	ARTICLE	IF	CITATIONS
1	Tandem Mass Spectrometry of Small, Multiply Charged Oligonucleotides. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 60-70.	1.2	508
2	Thermochemical determinations by the kinetic method. <i>Mass Spectrometry Reviews</i> , 1994, 13, 287-339.	2.8	496
3	SPECIAL FEATURE:TUTORIAL Slow Heating Methods in Tandem Mass Spectrometry. <i>Journal of Mass Spectrometry</i> , 1997, 32, 461-474.	0.7	393
4	Collision-Induced Dissociation (CID) of Peptides and Proteins. <i>Methods in Enzymology</i> , 2005, 402, 148-185.	0.4	357
5	Principles of collisional activation in analytical mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 599-614.	1.2	342
6	Electrochemical origin of radical cations observed in electrospray ionization mass spectra. <i>Analytical Chemistry</i> , 1992, 64, 1586-1593.	3.2	291
7	Decompositions of multiply charged oligonucleotide anions. <i>Journal of the American Chemical Society</i> , 1993, 115, 12085-12095.	6.6	282
8	?Top down? protein characterization via tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002, 37, 663-675.	0.7	273
9	Electrospray ionization combined with ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1990, 62, 1284-1295.	3.2	260
10	Ion/ion chemistry of high-mass multiply charged ions. , 1998, 17, 369-407.		215
11	Complementary Structural Information from a TrypticN-Linked Glycopeptide via Electron Transfer Ion/Ion Reactions and Collision-Induced Dissociation. <i>Journal of Proteome Research</i> , 2005, 4, 628-632.	1.8	196
12	Ion/Ion Reactions in the Gas Phase:Â Proton Transfer Reactions Involving Multiply-Charged Proteins. <i>Journal of the American Chemical Society</i> , 1996, 118, 7390-7397.	6.6	189
13	Atmospheric sampling glow discharge ionization source for the determination of trace organic compounds in ambient air. <i>Analytical Chemistry</i> , 1988, 60, 2220-2227.	3.2	179
14	Reactions of dimethylamine with multiply charged ions of cytochrome c. <i>Journal of the American Chemical Society</i> , 1990, 112, 5668-5670.	6.6	175
15	Electrospray ionization of porphyrins using a quadrupole ion trap for mass analysis. <i>Analytical Chemistry</i> , 1991, 63, 1098-1109.	3.2	167
16	Mass Analysis at the Advent of the 21st Century. <i>Chemical Reviews</i> , 2001, 101, 571-606.	23.0	158
17	Recent developments in the ion/ion chemistry of high-mass multiply charged ions. <i>Mass Spectrometry Reviews</i> , 2005, 24, 931-958.	2.8	153
18	Electron Transfer versus Proton Transfer in Gas-Phase Ion/Ion Reactions of Polyprotonated Peptides. <i>Journal of the American Chemical Society</i> , 2005, 127, 12627-12639.	6.6	152

#	ARTICLE	IF	CITATIONS
19	Ion isolation and sequential stages of mass spectrometry in a quadrupole ion trap mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1990, 96, 117-137.	1.9	151
20	Electron Transfer Ion/Ion Reactions in a Three-Dimensional Quadrupole Ion Trap: Reactions of Doubly and Triply Protonated Peptides with SO ₂ ⁻ . <i>Analytical Chemistry</i> , 2005, 77, 1831-1839.	3.2	151
21	Charge-State-Dependent Sequence Analysis of Protonated Ubiquitin Ions via Ion Trap Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 3274-3281.	3.2	143
22	Gas-phase fragmentation of oligonucleotide ions. <i>International Journal of Mass Spectrometry</i> , 2004, 237, 197-241.	0.7	136
23	Simplification of Product Ion Spectra Derived from Multiply Charged Parent Ions via Ion/Ion Chemistry. <i>Analytical Chemistry</i> , 1998, 70, 3533-3544.	3.2	130
24	Ion Trap Mass Spectrometry. <i>Chemical & Engineering News</i> , 1991, 69, 26-41.	0.2	129
25	Theory of high-resolution mass spectrometry achieved via resonance ejection in the quadrupole ion trap. <i>Analytical Chemistry</i> , 1992, 64, 1434-1439.	3.2	125
26	Ion/Ion Proton Transfer Reactions for Protein Mixture Analysis. <i>Analytical Chemistry</i> , 1996, 68, 4026-4032.	3.2	125
27	Implementation of Ion/Ion Reactions in a Quadrupole/Time-of-Flight Tandem Mass Spectrometer. <i>Analytical Chemistry</i> , 2006, 78, 4146-4154.	3.2	125
28	Ion spray liquid chromatography/ion trap mass spectrometry determination of biomolecules. <i>Analytical Chemistry</i> , 1991, 63, 375-383.	3.2	115
29	Electron-Transfer Ion/Ion Reactions of Doubly Protonated Peptides: Effect of Elevated Bath Gas Temperature. <i>Analytical Chemistry</i> , 2005, 77, 5662-5669.	3.2	112
30	Differentiation of aspartic and isoaspartic acids using electron transfer dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 15-19.	1.2	112
31	Selective ion isolation/rejection over a broad mass range in the quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1991, 2, 11-21.	1.2	109
32	Ion Parking during Ion/Ion Reactions in Electrodynamic Ion Traps. <i>Analytical Chemistry</i> , 2002, 74, 336-346.	3.2	109
33	Coupling of an atmospheric-sampling ion source with an ion-trap mass spectrometer. <i>Analytica Chimica Acta</i> , 1989, 225, 25-35.	2.6	108
34	Charge determination of product ions formed from collision-induced dissociation of multiply protonated molecules via ion/molecule reactions. <i>Analytical Chemistry</i> , 1991, 63, 1971-1978.	3.2	108
35	Mutual storage mode ion/ion reactions in a hybrid linear ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 71-81.	1.2	108
36	Gas-Phase Concentration, Purification, and Identification of Whole Proteins from Complex Mixtures. <i>Journal of the American Chemical Society</i> , 2002, 124, 7353-7362.	6.6	103

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37	SO ₂ ⁺ electron transfer ion/ion reactions with disulfide linked polypeptide ions. Journal of the American Society for Mass Spectrometry, 2005, 16, 1020-1030.	1.2	101
38	Ion trap mass spectrometry of externally generated ions. Analytical Chemistry, 1994, 66, 689A-696A.	3.2	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.	3.2	93
40	Dissociations of Disulfide-Linked Gaseous Polypeptide/Protein Anions: Ion Chemistry with Implications for Protein Identification and Characterization. Journal of Proteome Research, 2002, 1, 549-557.	1.8	92
41	Charge dependence of protonated insulin decompositions. International Journal of Mass Spectrometry, 2000, 203, A1-A9.	0.7	90
42	Pulsed dual electrospray ionization for In/In reactions. Journal of the American Society for Mass Spectrometry, 2005, 16, 1750-1756.	1.2	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.	1.2	85
44	Identification of Bacteriophage MS2 Coat Protein from E. coli Lysates via Ion Trap Collisional Activation of Intact Protein Ions. Analytical Chemistry, 2001, 73, 1277-1285.	3.2	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.	1.8	85
46	Electrospray Droplet Exposure to Gaseous Acids for the Manipulation of Protein Charge State Distributions. Analytical Chemistry, 2010, 82, 7422-7429.	3.2	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.	6.6	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.	1.9	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.	1.2	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.	3.2	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.	3.2	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.	1.9	78
53	Ion Trap Collisional Activation of c and z ions Formed via Gas-Phase Ion/Ion Electron-Transfer Dissociation. Journal of Proteome Research, 2007, 6, 3062-3069.	1.8	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.	6.6	76

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55	Ion Trap Collisional Activation of the (M + 2H) ²⁺ (M + 17H) ¹⁷⁺ Ions of Human Hemoglobin β^2 -Chain. <i>Analytical Chemistry</i> , 2000, 72, 899-907.	3.2	75
56	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> , 2011, 22, 3-12.	1.2	75
57	Ion/Ion Proton-Transfer Kinetics: Implications for Analysis of Ions Derived from Electrospray of Protein Mixtures. <i>Analytical Chemistry</i> , 1998, 70, 1198-1202.	3.2	74
58	Tandem Mass Spectrometry of Ribonuclease A and B: N-Linked Glycosylation Site Analysis of Whole Protein Ions. <i>Analytical Chemistry</i> , 2002, 74, 577-583.	3.2	74
59	Ion trap collision-induced dissociation of multiply deprotonated RNA: c/y-ions versus (a-B)/w-ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1832-1840.	1.2	74
60	Preforming ions in solution via charge-transfer complexation for analysis by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1991, 63, 2064-2068.	3.2	73
61	Relative dissociation energy measurements using ion trap collisional activation. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 250-259.	1.2	71
62	Formation and Characterization of Protein-Protein Complexes in Vacuo. <i>Journal of the American Chemical Society</i> , 2003, 125, 7238-7249.	6.6	71
63	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> , 2013, 348, 9-14.	0.7	70
64	Collision-activated dissociation of negative ions in an ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1987, 59, 1670-1674.	3.2	69
65	Ion trap collisional activation of disulfide linkage intact and reduced multiply protonated polypeptides. <i>Analytical Chemistry</i> , 1999, 71, 2040-2048.		68
66	Nanoelectrospray Ionization of Protein Mixtures: Solution pH and Protein pI. <i>Analytical Chemistry</i> , 2004, 76, 1165-1174.	3.2	68
67	High Explosives Vapor Detection by Glow Discharge-Ion Trap Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 287-298.	0.7	67
68	Charge state dependent collision-induced dissociation of native and reduced porcine elastase. <i>Journal of Mass Spectrometry</i> , 2003, 38, 245-256.	0.7	67
69	Matrix-assisted laser desorption of biological molecules in the quadrupole ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1993, 65, 14-20.	3.2	66
70	Charged vs. neutral nucleobase loss from multiply charged oligonucleotide anions. <i>Journal of Mass Spectrometry</i> , 1995, 30, 1222-1229.	0.7	66
71	Ion trap collisional activation of the deprotonated deoxymononucleoside and deoxydinucleoside monophosphates. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 102-113.	1.2	66
72	Self chemical ionization in an ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1988, 60, 2312-2314.	3.2	64

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73	Electron transfer dissociation of multiply protonated and fixed charge disulfide linked polypeptides. <i>International Journal of Mass Spectrometry</i> , 2007, 265, 130-138.	0.7	64
74	Radio-frequency glow discharge ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1992, 64, 1606-1609.	3.2	63
75	Collisional activation with random noise in ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1992, 64, 1455-1460.	3.2	63
76	Ion trap mass spectrometry using high-pressure ionization. <i>Analytical Chemistry</i> , 1994, 66, 737A-743A.	3.2	63
77	Ion-ion reactions in the gas phase: Proton transfer reactions of protonated pyridine with multiply charged oligonucleotide anions. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 529-532.	1.2	63
78	Competition between resonance ejection and ion dissociation during resonant excitation in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 1031-1041.	1.2	62
79	Gaseous Protein Cations Are Amphoteric. <i>Journal of the American Chemical Society</i> , 1997, 119, 1688-1696.	6.6	62
80	Affecting Protein Charge State Distributions in Nano-Electrospray Ionization via In-Spray Solution Mixing Using Theta Capillaries. <i>Analytical Chemistry</i> , 2014, 86, 4581-4588.	3.2	61
81	Whole Protein Dissociation in a Quadrupole Ion Trap: Identification of an a Priori Unknown Modified Protein. <i>Analytical Chemistry</i> , 2004, 76, 720-727.	3.2	60
82	Two Ion/Ion Charge Inversion Steps To Form a Doubly Protonated Peptide from a Singly Protonated Peptide in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2003, 125, 7756-7757.	6.6	59
83	Relative gas-phase acidities from triple quadrupole mass spectrometers. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1982, 42, 115-124.	1.3	58
84	Ion-trap mass spectrometry with an inductively coupled plasma source. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 71-76.	0.7	58
85	Activation of Intact Electron-Transfer Products of Polypeptides and Proteins in Cation Transmission Mode Ion/Ion Reactions. <i>Analytical Chemistry</i> , 2008, 80, 1111-1117.	3.2	58
86	Oligonucleotide Mixture Analysis via Electrospray and Ion/Ion Reactions in a Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 2002, 74, 976-984.	3.2	57
87	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> , 2018, 90, 12861-12869.	3.2	57
88	Covalent Modification of Gaseous Peptide Ions with <i>N</i> -Hydroxysuccinimide Ester Reagent Ions. <i>Journal of the American Chemical Society</i> , 2010, 132, 18248-18257.	6.6	56
89	Phosphopeptide Anion Characterization via Sequential Charge Inversion and Electron-Transfer Dissociation. <i>Analytical Chemistry</i> , 2006, 78, 3788-3793.	3.2	55
90	Toward Complete Structure Elucidation of Glycerophospholipids in the Gas Phase through Charge Inversion Ion/Ion Chemistry. <i>Analytical Chemistry</i> , 2020, 92, 1219-1227.	3.2	55

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91	Product Ion Charge State Determination via Ion/Ion Proton Transfer Reactions. <i>Analytical Chemistry</i> , 1996, 68, 257-262.	3.2	54
92	“Dueling” ESI: Instrumentation to study ion/ion reactions of electrospray-generated cations and anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 614-622.	1.2	54
93	Ion/Molecule Reactions of Cation Radicals Formed from Protonated Polypeptides via Gas-Phase Ion/Ion Electron Transfer. <i>Journal of the American Chemical Society</i> , 2006, 128, 11792-11798.	6.6	54
94	Ion-ion proton transfer reactions of bio-ions involving noncovalent interactions: Holomyoglobin. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 637-644.	1.2	53
95	Collision-Induced Dissociation of Intact Duplex and Single-Stranded siRNA Anions. <i>Analytical Chemistry</i> , 2008, 80, 8501-8508.	3.2	53
96	Ion/Ion Reactions: New Chemistry for Analytical MS. <i>Analytical Chemistry</i> , 2009, 81, 8669-8676.	3.2	53
97	Counting Basic Sites in Oligopeptides via Gas-Phase Ion Chemistry. <i>Analytical Chemistry</i> , 1997, 69, 281-285.	3.2	52
98	Gaseous apomyoglobin ion dissociation in a quadrupole ion trap: $[M + 2H]^{2+} \rightarrow [M + 21H]^{21+} + 1H^+$ Prepared for submission to the <i>International Journal of Mass Spectrometry</i> in honor of Prof. R. Graham Cooks on the occasion of his 60th birthday. <i>International Journal of Mass Spectrometry</i> , 2001, 212, 359-376.	0.7	52
99	Performance of a quadrupole ion trap mass spectrometer adapted for ion/ion reaction studies. <i>International Journal of Mass Spectrometry</i> , 2003, 222, 243-258.	0.7	52
100	Top-down tandem mass spectrometry of tRNA via ion trap collision-induced dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 890-898.	1.2	52
101	Accumulation and Storage of Ionized Duplex DNA Molecules in a Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 1994, 66, 3416-3422.	3.2	51
102	Ion/Molecule Reactions for Improved Effective Mass Resolution in Electrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 1995, 67, 2493-2497.	3.2	51
103	Relaxation of internally excited high-mass ions simulated under typical quadrupole ion trap storage conditions. <i>International Journal of Mass Spectrometry</i> , 1998, 177, 163-174.	0.7	51
104	Charge state dependent fragmentation of gaseous protein ions in a quadrupole ion trap: bovine ferri-, ferro-, and apo-cytochrome c. <i>International Journal of Mass Spectrometry</i> , 2002, 219, 171-187.	0.7	51
105	Ion/ion chemistry as a top-down approach for protein analysis. <i>Current Opinion in Biotechnology</i> , 2002, 13, 57-64.	3.3	50
106	The Effect of Small Cations on the Positive Electrospray Responses of Proteins at Low pH. <i>Analytical Chemistry</i> , 2003, 75, 5468-5474.	3.2	50
107	Reagent Anions for Charge Inversion of Polypeptide/Protein Cations in the Gas Phase. <i>Analytical Chemistry</i> , 2005, 77, 3173-3182.	3.2	50
108	Gas-phase ion/ion reactions of peptides and proteins: acid/base, redox, and covalent chemistries. <i>Chemical Communications</i> , 2013, 49, 947-965.	2.2	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.	3.2	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.	6.6	48
113	Thermal Dissociation of Gaseous Bradykinin Ions. Journal of Physical Chemistry A, 1999, 103, 8664-8671.	1.1	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.	3.2	47
115	Gas-Phase Peptide/Protein Cationizing Agent Switching via Ion/Ion Reactions. Journal of the American Chemical Society, 2003, 125, 12404-12405.	6.6	47
116	Parallel Ion Parking of Protein Mixtures. Analytical Chemistry, 2006, 78, 310-316.	3.2	47
117	Mass spectrometry studies of the ionization of organic molecules by low-energy positrons. Chemical Physics Letters, 1993, 216, 236-240.	1.2	46
118	Thermal dissociation in the quadrupole ion trap: ions derived from leucine enkephalin. International Journal of Mass Spectrometry, 1999, 185-187, 207-219.	0.7	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.	1.9	45
120	Ion internal temperature and ion trap collisional activation: protonated leucine enkephalin. International Journal of Mass Spectrometry, 1999, 182-183, 275-288.	0.7	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.	1.2	45
122	Top-Down Interrogation of Chemically Modified Oligonucleotides by Negative Electron Transfer and Collision Induced Dissociation. Analytical Chemistry, 2013, 85, 4713-4720.	3.2	45
123	Electrospray Ionization of Protein Mixtures at Low pH. Analytical Chemistry, 2003, 75, 1491-1499.	3.2	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.	3.2	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.	0.7	44
126	UV and IR spectroscopy of cold protonated leucine enkephalin. International Journal of Mass Spectrometry, 2015, 378, 196-205.	0.7	44

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127	Rapidly Alternating Transmission Mode Electron-Transfer Dissociation and Collisional Activation for the Characterization of Polypeptide Ions. <i>Analytical Chemistry</i> , 2008, 80, 3492-3497.	3.2	43
128	Recent Developments in Gas-Phase Ion/Ion Reactions for Analytical Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 252-266.	3.2	43
129	Increasing the Negative Charge of a Macroanion in the Gas Phase via Sequential Charge Inversion Reactions. <i>Analytical Chemistry</i> , 2004, 76, 4189-4192.	3.2	42
130	Parallel Ion Parking: Improving Conversion of Parents to First-Generation Products in Electron Transfer Dissociation. <i>Analytical Chemistry</i> , 2005, 77, 3411-3414.	3.2	42
131	Ion Trap versus Low-Energy Beam-Type Collision-Induced Dissociation of Protonated Ubiquitin Ions. <i>Analytical Chemistry</i> , 2006, 78, 1218-1227.	3.2	42
132	Ion/Ion reactions for oligopeptide mixture analysis: application to mixtures comprised of 0.5–100 kDa components. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 585-596.	1.2	41
133	Tandem mass spectrometry of half-generation PAMAM dendrimer anions. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 960-972.	0.7	41
134	The Reactivity of Gaseous Ions of Bradykinin and Its Analogues with Hydro- and Deuteriodic Acid. <i>Journal of the American Chemical Society</i> , 1999, 121, 8907-8919.	6.6	40
135	Electron transfer dissociation of doubly sodiated glycerophosphocholine lipids. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1783-1788.	1.2	38
136	Evolution of instrumentation for the study of gas-phase ion/ion chemistry via mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 173-189.	1.2	38
137	Gas-Phase Bioconjugation of Peptides via Ion/Ion Charge Inversion: Schiff Base Formation on the Conversion of Cations to Anions. <i>Analytical Chemistry</i> , 2010, 82, 1594-1597.	3.2	38
138	Gas phase H/D exchange kinetics: DI versus D2O. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 167-171.	1.2	37
139	Phosphorylation Site Identification via Ion Trap Tandem Mass Spectrometry of Whole Protein and Peptide Ions: Bovine β -Crystallin A Chain. <i>Analytical Chemistry</i> , 2003, 75, 6509-6516.	3.2	37
140	Electron Transfer Dissociation of iTRAQ Labeled Peptide Ions. <i>Journal of Proteome Research</i> , 2008, 7, 3643-3648.	1.8	37
141	Dynamic range extension in glow discharge quadrupole ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1994, 66, 92-98.	3.2	36
142	Electron-Transfer Reagent Anion Formation via Electrospray Ionization and Collision-Induced Dissociation. <i>Analytical Chemistry</i> , 2006, 78, 7387-7391.	3.2	35
143	Charge state dependent fragmentation of gaseous β -synuclein cations via ion trap and beam-type collisional activation. <i>International Journal of Mass Spectrometry</i> , 2009, 283, 9-16.	0.7	35
144	Quantitative Determination of Biogenic Volatile Organic Compounds in the Atmosphere Using Proton-Transfer Reaction Linear Ion Trap Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 7952-7957.	3.2	35

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145	Gas-Phase Conjugation to Arginine Residues in Polypeptide Ions via <i>N</i> -Hydroxysuccinimide Ester-Based Reagent Ions. <i>Journal of the American Chemical Society</i> , 2012, 134, 11412-11414.	6.6	35
146	Generating Fatty Acid Profiles in the Gas Phase: Fatty Acid Identification and Relative Quantitation Using Ion/Ion Charge Inversion Chemistry. <i>Analytical Chemistry</i> , 2019, 91, 9032-9040.	3.2	35
147	Formation of Protein-Protein Complexes in Vacuo. <i>Journal of the American Chemical Society</i> , 2001, 123, 12428-12429.	6.6	34
148	Electron transfer followed by collision-induced dissociation (NETCID) for generating sequence information from backbone-modified oligonucleotide anions. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 249-257.	0.7	34
149	Electrospray Droplet Exposure to Organic Vapors: Metal Ion Removal from Proteins and Protein Complexes. <i>Analytical Chemistry</i> , 2015, 87, 1210-1218.	3.2	34
150	Transmission Mode Ion/Ion Electron-Transfer Dissociation in a Linear Ion Trap. <i>Analytical Chemistry</i> , 2007, 79, 3363-3370.	3.2	33
151	Charge state effects in the decompositions of single-nucleobase oligonucleotide polyanions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 162, 1-16.	1.9	32
152	A pulsed triple ionization source for sequential ion/ion reactions in an electrodynamic ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 369-376.	1.2	32
153	Dissociation of disulfide-intact somatostatin ions: the roles of ion type and dissociation method. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2647-2655.	0.7	32
154	Ion Remeasurement in the Radio Frequency Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 1995, 67, 4164-4169.	3.2	31
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