

Scott A Mcluckey

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351
papers

14,691
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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	Thermochemical determinations by the kinetic method. <i>Mass Spectrometry Reviews</i> , 1994 , 13, 287-339	11	459
350	Tandem mass spectrometry of small, multiply charged oligonucleotides. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 60-70	3.5	456
349	SPECIAL FEATURE: TUTORIAL Slow Heating Methods in Tandem Mass Spectrometry. <i>Journal of Mass Spectrometry</i> , 1997 , 32, 461-474	2.2	350
348	Principles of collisional activation in analytical mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 599-614	3.5	314
347	Collision-induced dissociation (CID) of peptides and proteins. <i>Methods in Enzymology</i> , 2005 , 402, 148-85	1.7	305
346	Decompositions of multiply charged oligonucleotide anions. <i>Journal of the American Chemical Society</i> , 1993 , 115, 12085-12095	16.4	265
345	Electrochemical origin of radical cations observed in electrospray ionization mass spectra. <i>Analytical Chemistry</i> , 1992 , 64, 1586-1593	7.8	259
344	'Top down' protein characterization via tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 663-75	2.2	248
343	Electrospray ionization combined with ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1990 , 62, 1284-1295	1.2	215
342	Ion/ion chemistry of high-mass multiply charged ions. <i>Mass Spectrometry Reviews</i> , 1998 , 17, 369-407	11	197
341	Complementary structural information from a tryptic N-linked glycopeptide via electron transfer ion/ion reactions and collision-induced dissociation. <i>Journal of Proteome Research</i> , 2005 , 4, 628-32	5.6	188
340	Ion/Ion Reactions in the Gas Phase: Proton Transfer Reactions Involving Multiply-Charged Proteins. <i>Journal of the American Chemical Society</i> , 1996 , 118, 7390-7397	16.4	165
339	Reactions of dimethylamine with multiply charged ions of cytochrome c. <i>Journal of the American Chemical Society</i> , 1990 , 112, 5668-5670	16.4	161
338	Atmospheric sampling glow discharge ionization source for the determination of trace organic compounds in ambient air. <i>Analytical Chemistry</i> , 1988 , 60, 2220-2227	7.8	155
337	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, 1831-9	7.8	146
336	Mass analysis at the advent of the 21st century. <i>Chemical Reviews</i> , 2001 , 101, 571-606	68.1	145
335	Electrospray ionization of porphyrins using a quadrupole ion trap for mass analysis. <i>Analytical Chemistry</i> , 1991 , 63, 1098-1109	7.8	144

334	Recent developments in the ion/ion chemistry of high-mass multiply charged ions. <i>Mass Spectrometry Reviews</i> , 2005 , 24, 931-58	11	143
333	Electron transfer versus proton transfer in gas-phase ion/ion reactions of polyprotonated peptides. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12627-39	16.4	140
332	Charge-state-dependent sequence analysis of protonated ubiquitin ions via ion trap tandem mass spectrometry. <i>Analytical Chemistry</i> , 2001 , 73, 3274-81	7.8	134
331	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		129
330	Gas-phase fragmentation of oligonucleotide ions. <i>International Journal of Mass Spectrometry</i> , 2004 , 237, 197-241	1.9	121
329	Simplification of product ion spectra derived from multiply charged parent ions via ion/ion chemistry. <i>Analytical Chemistry</i> , 1998 , 70, 3533-44	7.8	121
328	Implementation of ion/ion reactions in a quadrupole/time-of-flight tandem mass spectrometer. <i>Analytical Chemistry</i> , 2006 , 78, 4146-54	7.8	116
327	Theory of high-resolution mass spectrometry achieved via resonance ejection in the quadrupole ion trap. <i>Analytical Chemistry</i> , 1992 , 64, 1434-1439	7.8	112
326	Electron-transfer ion/ion reactions of doubly protonated peptides: effect of elevated bath gas temperature. <i>Analytical Chemistry</i> , 2005 , 77, 5662-9	7.8	106
325	Ion/ion proton transfer reactions for protein mixture analysis. <i>Analytical Chemistry</i> , 1996 , 68, 4026-32	7.8	104
324	Differentiation of aspartic and isoaspartic acids using electron transfer dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 15-19	3.5	100
323	Ion parking during ion/ion reactions in electrodynamic ion traps. <i>Analytical Chemistry</i> , 2002 , 74, 336-46	7.8	100
322	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	3.5	98
321	Gas-phase concentration, purification, and identification of whole proteins from complex mixtures. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7353-62	16.4	98
320	SO ₂ -* electron transfer ion/ion reactions with disulfide linked polypeptide ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1020-30	3.5	96
319	Charge determination of product ions formed from collision-induced dissociation of multiply protonated molecules via ion/molecule reactions. <i>Analytical Chemistry</i> , 1991 , 63, 1971-8	7.8	95
318	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	3.5	92
317	Alternately pulsed nanoelectrospray ionization/atmospheric pressure chemical ionization for ion/ion reactions in an electrodynamic ion trap. <i>Analytical Chemistry</i> , 2006 , 78, 3208-12	7.8	89

3 ¹⁶	Dissociations of disulfide-linked gaseous polypeptide/protein anions: ion chemistry with implications for protein identification and characterization. <i>Journal of Proteome Research</i> , 2002 , 1, 549-57 ^{5.6}	88
3 ¹⁵	Coupling of an atmospheric-sampling ion source with an ion-trap mass spectrometer. <i>Analytica Chimica Acta</i> , 1989 , 225, 25-35	6.6 87
3 ¹⁴	Charge dependence of protonated insulin decompositions. <i>International Journal of Mass Spectrometry</i> , 2000 , 203, A1-A9	1.9 86
3 ¹³	Ion spray liquid chromatography/ion trap mass spectrometry determination of biomolecules. <i>Analytical Chemistry</i> , 1991 , 63, 375-383	7.8 86
3 ¹²	Ion trap mass spectrometry of externally generated ions. <i>Analytical Chemistry</i> , 1994 , 66, 689A-696A	7.8 85
3 ¹¹	Evolution of ion internal energy during collisional excitation in the Paul ion trap: A stochastic approach. <i>Journal of Chemical Physics</i> , 1996 , 104, 2214-2221	3.9 81
3 ¹⁰	Identification of bacteriophage MS2 coat protein from E. coli lysates via ion trap collisional activation of intact protein ions. <i>Analytical Chemistry</i> , 2001 , 73, 1277-85	7.8 80
3 ⁰⁹	Selective disulfide bond cleavage in gold(I) cationized polypeptide ions formed via gas-phase ion/ion cation switching. <i>Journal of Proteome Research</i> , 2006 , 5, 2087-92	5.6 79
3 ⁰⁸	Electrospray droplet exposure to gaseous acids for the manipulation of protein charge state distributions. <i>Analytical Chemistry</i> , 2010 , 82, 7422-9	7.8 77
3 ⁰⁷	Ion trap tandem mass spectrometry applied to small multiply charged oligonucleotides with a modified base. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 740-7	3.5 76
3 ⁰⁶	Adaptation of the Paul trap for study of the reaction of multiply charged cations with singly charged anions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 162, 89-106	75
3 ⁰⁵	Ion trap collisional activation of c and z* ions formed via gas-phase ion/ion electron-transfer dissociation. <i>Journal of Proteome Research</i> , 2007 , 6, 3062-9	5.6 75
3 ⁰⁴	Pulsed dual electrospray ionization for ion/ion reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1750-6	3.5 74
3 ⁰³	Gas-Phase Electron Transfer Reactions from Multiply-Charged Anions to Rare Gas Cations. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11555-11562	16.4 74
3 ⁰²	Tandem mass spectrometry of ribonuclease A and B: N-linked glycosylation site analysis of whole protein ions. <i>Analytical Chemistry</i> , 2002 , 74, 577-83	7.8 72
3 ⁰¹	Ion trap collisional activation of the (M + 2H) ²⁺ - (M + 17H) ¹⁷⁺ ions of human hemoglobin beta-chain. <i>Analytical Chemistry</i> , 2000 , 72, 899-907	7.8 71
3 ⁰⁰	Effects of cation charge-site identity and position on electron-transfer dissociation of polypeptide cations. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12232-43	16.4 70
2 ⁹⁹	Ion/ion proton-transfer kinetics: implications for analysis of ions derived from electrospray of protein mixtures. <i>Analytical Chemistry</i> , 1998 , 70, 1198-202	7.8 68

298	Relative dissociation energy measurements using ion trap collisional activation. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 250-9	3.5	68
297	Multiple stages of mass spectrometry in a quadrupole ion trap mass spectrometer: prerequisites. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991 , 106, 213-235		68
296	Resonance Ejection Ion Trap Mass Spectrometry and Nonlinear Field Contributions: The Effect of Scan Direction on Mass Resolution. <i>Analytical Chemistry</i> , 1994 , 66, 725-729	7.8	67
295	Charge state dependent collision-induced dissociation of native and reduced porcine elastase. <i>Journal of Mass Spectrometry</i> , 2003 , 38, 245-56	2.2	65
294	Ion trap collisional activation of disulfide linkage intact and reduced multiply protonated polypeptides. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 2040-8	2.2	65
293	Ion trap collisional activation of the deprotonated deoxymononucleoside and deoxydinucleoside monophosphates. <i>Journal of the American Society for Mass Spectrometry</i> , 1995 , 6, 102-13	3.5	64
292	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	3.5	63
291	Nanoelectrospray ionization of protein mixtures: solution pH and protein pI. <i>Analytical Chemistry</i> , 2004 , 76, 1165-74	7.8	63
290	High Explosives Vapor Detection by Glow Discharge Ion Trap Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996 , 10, 287-298	2.2	63
289	Filtered noise field signals for mass-selective accumulation of externally formed ions in a quadrupole ion trap. <i>Analytical Chemistry</i> , 1994 , 66, 313-318	7.8	63
288	Preforming ions in solution via charge-transfer complexation for analysis by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1991 , 63, 2064-2068	7.8	63
287	Electron transfer dissociation of multiply protonated and fixed charge disulfide linked polypeptides. <i>International Journal of Mass Spectrometry</i> , 2007 , 265, 130-138	1.9	62
286	Formation and characterization of protein-protein complexes in vacuo. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7238-49	16.4	62
285	Charged vs. neutral nucleobase loss from multiply charged oligonucleotide anions. <i>Journal of Mass Spectrometry</i> , 1995 , 30, 1222-1229	2.2	62
284	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, 1031-41	3.5	61
283	Self chemical ionization in an ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1988 , 60, 2312-2314	7.8	61
282	Gaseous Protein Cations Are Amphoteric. <i>Journal of the American Chemical Society</i> , 1997 , 119, 1688-1696	6.4	60
281	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, 1832-40	3.5	59

280	Ion trap mass spectrometry. Using high-pressure ionization. <i>Analytical Chemistry</i> , 1994 , 66, 737A-743A	7.8	59
279	Whole protein dissociation in a quadrupole ion trap: identification of an a priori unknown modified protein. <i>Analytical Chemistry</i> , 2004 , 76, 720-7	7.8	58
278	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, 529-32	3.5	58
277	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	1.9	57
276	Collision-activated dissociation of negative ions in an ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1987 , 59, 1670-1674	7.8	57
275	Activation of intact electron-transfer products of polypeptides and proteins in cation transmission mode ion/ion reactions. <i>Analytical Chemistry</i> , 2008 , 80, 1111-7	7.8	55
274	Affecting protein charge state distributions in nano-electrospray ionization via in-spray solution mixing using theta capillaries. <i>Analytical Chemistry</i> , 2014 , 86, 4581-8	7.8	53
273	Phosphopeptide anion characterization via sequential charge inversion and electron-transfer dissociation. <i>Analytical Chemistry</i> , 2006 , 78, 3788-93	7.8	53
272	Relative gas-phase acidities from triple quadrupole mass spectrometers. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1982 , 42, 115-124		53
271	Collisional activation with random noise in ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1992 , 64, 1455-60	7.8	51
270	Covalent modification of gaseous peptide ions with N-hydroxysuccinimide ester reagent ions. <i>Journal of the American Chemical Society</i> , 2010 , 132, 18248-57	16.4	50
269	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, 7756-7	16.4	50
268	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	1.9	49
267	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, 11792-8	16.4	49
266	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	1.9	49
265	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	1.9	49
264	The effect of small cations on the positive electrospray responses of proteins at low pH. <i>Analytical Chemistry</i> , 2003 , 75, 5468-74	7.8	49
263	Product ion charge state determination via ion/ion proton transfer reactions. <i>Analytical Chemistry</i> , 1996 , 68, 257-62	7.8	49

262	Radio-frequency glow discharge ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1992 , 64, 1606-1609	7.8	49
261	Counting basic sites in oligopeptides via gas-phase ion chemistry. <i>Analytical Chemistry</i> , 1997 , 69, 281-5	7.8	48
260	Ion/ion chemistry as a top-down approach for protein analysis. <i>Current Opinion in Biotechnology</i> , 2002 , 13, 57-64	11.4	48
259	Gaseous apomyoglobin ion dissociation in a quadrupole ion trap: $[M + 2H]^{2+} \rightarrow [M + 21H]^{21+}$. <i>International Journal of Mass Spectrometry</i> , 2001 , 212, 359-376	1.9	48
258	Oligonucleotide mixture analysis via electrospray and ion/ion reactions in a quadrupole ion trap. <i>Analytical Chemistry</i> , 2002 , 74, 976-84	7.8	48
257	Matrix-assisted laser desorption of biological molecules in the quadrupole ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1993 , 65, 14-20	7.8	48
256	Collision-induced dissociation of intact duplex and single-stranded siRNA anions. <i>Analytical Chemistry</i> , 2008 , 80, 8501-8	7.8	47
255	"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, 614-22	3.5	47
254	Accumulation and storage of ionized duplex DNA molecules in a quadrupole ion trap. <i>Analytical Chemistry</i> , 1994 , 66, 3416-22	7.8	47
253	Reagent anions for charge inversion of polypeptide/protein cations in the gas phase. <i>Analytical Chemistry</i> , 2005 , 77, 3173-82	7.8	46
252	Thermal Dissociation of Gaseous Bradykinin Ions. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 8664-8671	2.8	46
251	Ion/ion reactions: new chemistry for analytical MS. <i>Analytical Chemistry</i> , 2009 , 81, 8669-76	7.8	45
250	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	3.5	45
249	Charge manipulation for improved mass determination of high-mass species and mixture components by electrospray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1998 , 33, 664-72	2.2	45
248	Ion/molecule reactions for improved effective mass resolution in electrospray mass spectrometry. <i>Analytical Chemistry</i> , 1995 , 67, 2493-7	7.8	45
247	Negative electrospray droplet exposure to gaseous bases for the manipulation of protein charge state distributions. <i>Analytical Chemistry</i> , 2011 , 83, 431-7	7.8	44
246	Capillary electrophoresis/electrospray ionization ion trap mass spectrometry using a sheathless interface. <i>Journal of Separation Science</i> , 1995 , 7, 461-469		44
245	Selective covalent bond formation in polypeptide ions via gas-phase ion/ion reaction chemistry. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12884-5	16.4	43

244	Gas-phase peptide/protein cationizing agent switching via ion/ion reactions. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12404-5	16.4	43
243	Thermal dissociation in the quadrupole ion trap: ions derived from leucine enkephalin. <i>International Journal of Mass Spectrometry</i> , 1999 , 185-187, 207-219	1.9	43
242	Mass spectrometry studies of the ionization of organic molecules by low-energy positrons. <i>Chemical Physics Letters</i> , 1993 , 216, 236-240	2.5	43
241	Electrospray ionization of protein mixtures at low pH. <i>Analytical Chemistry</i> , 2003 , 75, 1491-9	7.8	42
240	Ion-trap mass spectrometry with an inductively coupled plasma source. <i>Rapid Communications in Mass Spectrometry</i> , 1994 , 8, 71-76	2.2	42
239	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, 890-8	3.5	41
238	Rapidly alternating transmission mode electron-transfer dissociation and collisional activation for the characterization of polypeptide ions. <i>Analytical Chemistry</i> , 2008 , 80, 3492-7	7.8	41
237	Ion internal temperature and ion trap collisional activation: protonated leucine enkephalin. <i>International Journal of Mass Spectrometry</i> , 1999 , 182-183, 275-288	1.9	41
236	Parallel ion parking of protein mixtures. <i>Analytical Chemistry</i> , 2006 , 78, 310-6	7.8	40
235	Increasing the negative charge of a macroanion in the gas phase via sequential charge inversion reactions. <i>Analytical Chemistry</i> , 2004 , 76, 4189-92	7.8	40
234	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	7.8	40
233	Gas-phase ion/ion reactions of peptides and proteins: acid/base, redox, and covalent chemistries. <i>Chemical Communications</i> , 2013 , 49, 947-65	5.8	39
232	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, 585-96	3.5	39
231	A quadrupole ion trap mass spectrometer with three independent ion sources for the study of gas-phase ion/ion reactions. <i>Analytical Chemistry</i> , 2002 , 74, 6237-43	7.8	39
230	Development of a proton-transfer reaction-linear ion trap mass spectrometer for quantitative determination of volatile organic compounds. <i>Analytical Chemistry</i> , 2008 , 80, 8171-7	7.8	38
229	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	16.4	38
228	UV and IR spectroscopy of cold protonated leucine enkephalin. <i>International Journal of Mass Spectrometry</i> , 2015 , 378, 196-205	1.9	37
227	Top-down interrogation of chemically modified oligonucleotides by negative electron transfer and collision induced dissociation. <i>Analytical Chemistry</i> , 2013 , 85, 4713-20	7.8	37

226	Parallel ion parking: improving conversion of parents to first-generation products in electron transfer dissociation. <i>Analytical Chemistry</i> , 2005 , 77, 3411-4	7.8	37
225	Ion trap versus low-energy beam-type collision-induced dissociation of protonated ubiquitin ions. <i>Analytical Chemistry</i> , 2006 , 78, 1218-27	7.8	37
224	Generation and manipulation of sodium cationized peptides in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 607-15	3.5	37
223	Electron transfer dissociation of iTRAQ labeled peptide ions. <i>Journal of Proteome Research</i> , 2008 , 7, 3643-8	3.8	36
222	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, 173-89	3.5	36
221	Tandem mass spectrometry of half-generation PAMAM dendrimer anions. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 960-72	2.2	36
220	Phosphorylation site identification via ion trap tandem mass spectrometry of whole protein and peptide ions: bovine alpha-crystallin A chain. <i>Analytical Chemistry</i> , 2003 , 75, 6509-16	7.8	36
219	Gas phase H/D exchange kinetics: DI versus D2O. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 167-71	3.5	36
218	Electron-transfer reagent anion formation via electrospray ionization and collision-induced dissociation. <i>Analytical Chemistry</i> , 2006 , 78, 7387-91	7.8	35
217	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, 1594-7	7.8	33
216	Laser desorption mass spectrometry and MS/MS with a three-dimensional quadrupole ion trap. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989 , 94, 15-24		33
215	Toward Complete Structure Elucidation of Glycerophospholipids in the Gas Phase through Charge Inversion Ion/Ion Chemistry. <i>Analytical Chemistry</i> , 2020 , 92, 1219-1227	7.8	33
214	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, 7952-7	7.8	32
213	Charge State Dependent Fragmentation of Gaseous Synuclein Cations via Ion Trap and Beam-Type Collisional Activation. <i>International Journal of Mass Spectrometry</i> , 2009 , 283, 9-16	1.9	32
212	Electron transfer dissociation of doubly sodiated glycerophosphocholine lipids. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1783-8	3.5	32
211	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> , 2012 , 330-332, 174-181	1.9	31
210	Transmission mode ion/ion electron-transfer dissociation in a linear ion trap. <i>Analytical Chemistry</i> , 2007 , 79, 3363-70	7.8	31
209	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> , 2013 , 27, 249-57	2.2	30

208	Dissociation of disulfide-intact somatostatin ions: the roles of ion type and dissociation method. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 2647-55	2.2	30
207	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		30
206	Ion Remeasurement in the Radio Frequency Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 1995 , 67, 4164-4169		30
205	Gas-phase conjugation to arginine residues in polypeptide ions via N-hydroxysuccinimide ester-based reagent ions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11412-4	16.4	29
204	Charge reduction of oligonucleotide anions via gas-phase electron transfer to xenon cations. <i>Rapid Communications in Mass Spectrometry</i> , 1997 , 11, 875-80	2.2	29
203	Gas-phase ion/ion reactions of multiply protonated polypeptides with metal containing anions. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 3608-16	2.8	29
202	Formation of protein-protein complexes in vacuo. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12428-9	16.4	29
201	Electrospray droplet exposure to organic vapors: metal ion removal from proteins and protein complexes. <i>Analytical Chemistry</i> , 2015 , 87, 1210-8	7.8	28
200	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> , 2011 , 22, 912-21	3.5	28
199	Positive ion transmission mode ion/ion reactions in a hybrid linear ion trap. <i>Analytical Chemistry</i> , 2004 , 76, 5006-15	7.8	28
198	Dissociation reactions of gaseous ferro-, ferri-, and apo-cytochrome c ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 873-6	3.5	28
197	Dissociation of multiple protein ion charge states following a single gas-phase purification and concentration procedure. <i>Analytical Chemistry</i> , 2002 , 74, 4653-61	7.8	28
196	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> , 2012 , 23, 736-44	3.5	27
195	Electron transfer dissociation of peptides generated by microwave D-cleavage digestion of proteins. <i>Journal of Proteome Research</i> , 2008 , 7, 1867-72	5.6	27
194	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> , 2016 , 138, 2849-57	16.4	26
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