

Ryan R Julian

List of Publications by Year in descending order

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131
papers

4,344
citations

101384

36
h-index

133063

59
g-index

141
all docs

141
docs citations

141
times ranked

2800
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptide Radicals and Cation Radicals in the Gas Phase. <i>Chemical Reviews</i> , 2013, 113, 6691-6733.	23.0	191
2	Residue-Specific Radical-Directed Dissociation of Whole Proteins in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2008, 130, 351-358.	6.6	188
3	Side Chain Chemistry Mediates Backbone Fragmentation in Hydrogen Deficient Peptide Radicals. <i>Journal of Proteome Research</i> , 2009, 8, 958-966.	1.8	137
4	Nanocrystalline Aggregation of Serine Detected by Electrospray Ionization Mass Spectrometry: Origin of the Stable Homochiral Gas-Phase Serine Octamer. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1219-1228.	1.2	124
5	Ultraviolet Photodissociation: Developments towards Applications for Mass Spectrometry-Based Proteomics. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7130-7137.	7.2	123
6	Site specific sequestering and stabilization of charge in peptides by supramolecular adduct formation with 18-crown-6 ether by way of electrospray ionization. <i>International Journal of Mass Spectrometry</i> , 2001, 210-211, 613-623.	0.7	118
7	Salt Bridge Stabilization of Charged Zwitterionic Arginine Aggregates in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2001, 123, 3577-3583.	6.6	111
8	Tandem Reactivity of a Self-Assembled Cage Catalyst with Endohedral Acid Groups. <i>Journal of the American Chemical Society</i> , 2018, 140, 8078-8081.	6.6	101
9	Elucidating the Tertiary Structure of Protein Ions in Vacuo with Site Specific Photoinitiated Radical Reactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 8602-8609.	6.6	94
10	Direct Elucidation of Disulfide Bond Partners Using Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 6455-6458.	3.2	91
11	Discriminating <i>d</i> -Amino Acid-Containing Peptide Epimers by Radical-Directed Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 6814-6820.	3.2	77
12	Cooperative Salt Bridge Stabilization of Gas-Phase Zwitterions in Neutral Arginine Clusters. <i>Journal of Physical Chemistry A</i> , 2002, 106, 32-34.	1.1	76
13	Gas-Phase Synthesis of Charged Copper and Silver Fischer Carbenes from Diazomalonates: Mechanistic and Conformational Considerations in Metal-Mediated Wolff Rearrangements. <i>Journal of the American Chemical Society</i> , 2003, 125, 4478-4486.	6.6	73
14	Narcissistic Self-Sorting in Self-Assembled Cages of Rare Earth Metals and Rigid Ligands. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5641-5645.	7.2	70
15	Site-Specific Radical Directed Dissociation of Peptides at Phosphorylated Residues. <i>Journal of the American Chemical Society</i> , 2008, 130, 12212-12213.	6.6	69
16	Using ESI-MS to probe protein structure by site-specific noncovalent attachment of 18-crown-6. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1209-1215.	1.2	67
17	Tracking radical migration in large hydrogen deficient peptides with covalent labels: Facile movement does not equal indiscriminate fragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1148-1158.	1.2	63
18	The Mechanism Behind Top-Down UVPD Experiments: Making Sense of Apparent Contradictions. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1823-1826.	1.2	63

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19	Spontaneous chiral separation in noncovalent molecular clusters. <i>Chirality</i> , 2001, 13, 703-706.	1.3	60
20	Identification of Amino Acid Epimerization and Isomerization in Crystallin Proteins by Tandem LC-MS. <i>Analytical Chemistry</i> , 2014, 86, 9733-9741.	3.2	60
21	Spontaneous Isomerization of Long-Lived Proteins Provides a Molecular Mechanism for the Lysosomal Failure Observed in Alzheimer's Disease. <i>ACS Central Science</i> , 2019, 5, 1387-1395.	5.3	58
22	Ion funnels for the masses: Experiments and simulations with a simplified ion funnel. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1708-1712.	1.2	57
23	Gas-Phase H/D Exchange of Sodiated Glycine Oligomers with ND ₃ : Exchange Kinetics Do Not Reflect Parent Ion Structures. <i>Journal of the American Chemical Society</i> , 2004, 126, 6485-6490.	6.6	56
24	Ion-molecule reactions reveal facile radical migration in peptides. <i>Chemical Communications</i> , 2009, , 5015.	2.2	56
25	Site-Selective Fragmentation of Peptides and Proteins at Quinone-Modified Cysteine Residues Investigated by ESI-MS. <i>Analytical Chemistry</i> , 2010, 82, 4006-4014.	3.2	55
26	Cooperative Thermodynamic Control of Selectivity in the Self-Assembly of Rare Earth Metal-Ligand Helices. <i>Journal of the American Chemical Society</i> , 2013, 135, 17723-17726.	6.6	55
27	One Ring to Bind Them All: Shape-Selective Complexation of Phenylenediamine Isomers with Cucurbit[6]uril in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2009, 113, 989-997.	1.1	50
28	Reflections on Charge State Distributions, Protein Structure, and the Mystical Mechanism of Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1-6.	1.2	49
29	Gas-Phase Zwitterions in the Absence of a Net Charge. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10861-10864.	1.1	46
30	Protein-metal interactions of calmodulin and α -synuclein monitored by selective noncovalent adduct protein probing mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1663-1672.	1.2	46
31	Do Homochiral Aggregates Have an Entropic Advantage?. <i>Journal of Physical Chemistry B</i> , 2005, 109, 440-444.	1.2	45
32	Formation of Nanometer-Scale Serine Clusters by Sonic Spray. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6105-6111.	1.2	43
33	Radical Conversion and Migration in Electron Capture Dissociation. <i>Journal of the American Chemical Society</i> , 2011, 133, 6997-7006.	6.6	43
34	Spontaneous Anti-Resolution in Heterochiral Clusters of Serine. <i>Journal of the American Chemical Society</i> , 2004, 126, 4110-4111.	6.6	42
35	Bond-Specific Dissociation Following Excitation Energy Transfer for Distance Constraint Determination in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2014, 136, 13363-13370.	6.6	40
36	Glycan Isomer Identification Using Ultraviolet Photodissociation Initiated Radical Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 11581-11588.	3.2	39

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37	Dissociation energies of X-H bonds in amino acids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3148.	1.3	38
38	Sequence and Solution Effects on the Prevalence of α -Isomers Produced by Deamidation. <i>ACS Chemical Biology</i> , 2017, 12, 2875-2882.	1.6	38
39	The unusually high proton affinity of Aza-18-crown-6 ether: Implications for the molecular recognition of lysine in peptides by lariat crown ethers. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 493-498.	1.2	37
40	Deciphering the peptide iodination code: Influence on subsequent gas-phase radical generation with photodissociation ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 965-971.	1.2	37
41	Molecular recognition of arginine in small peptides by supramolecular complexation with dibenzo-30-crown-10 ether. <i>International Journal of Mass Spectrometry</i> , 2002, 220, 87-96.	0.7	36
42	Enhancing protein disulfide bond cleavage by UV excitation and electron capture dissociation for top-down mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015, 390, 137-145.	0.7	36
43	Photoelectron Transfer Dissociation Reveals Surprising Favorability of Zwitterionic States in Large Gaseous Peptides and Proteins. <i>Journal of the American Chemical Society</i> , 2017, 139, 10286-10293.	6.6	36
44	Exploring the Mechanism of Selective Noncovalent Adduct Protein Probing Mass Spectrometry Utilizing Site-Directed Mutagenesis To Examine Ubiquitin. <i>Analytical Chemistry</i> , 2008, 80, 3846-3852.	3.2	35
45	Rapid, quantitative, and site specific synthesis of biomolecular radicals from a simple photocaged precursor. <i>Chemical Communications</i> , 2011, 47, 2835.	2.2	35
46	Differences in α -Crystallin isomerization reveal the activity of protein isoaspartyl methyltransferase (PIMT) in the nucleus and cortex of human lenses. <i>Experimental Eye Research</i> , 2018, 171, 131-141.	1.2	35
47	Radical Directed Dissociation for Facile Identification of Iodotyrosine Residues Using Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 3826-3833.	3.2	34
48	Identification of Sequence Similarities among Isomerization Hotspots in Crystallin Proteins. <i>Journal of Proteome Research</i> , 2017, 16, 1797-1805.	1.8	34
49	Chirally Directed Formation of Nanometer-Scale Proline Clusters. <i>Journal of the American Chemical Society</i> , 2006, 128, 10833-10839.	6.6	33
50	Characterization of glycosphingolipid epimers by radical-directed dissociation mass spectrometry. <i>Analyst</i> , 2016, 141, 1273-1278.	1.7	31
51	The Ups and Downs of Repeated Cleavage and Internal Fragment Production in Top-Down Proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 150-157.	1.2	31
52	Synthesis of 2-Quinuclidonium by Eliminating Water: Experimental Quantification of the High Basicity of Extremely Twisted Amides. <i>Journal of the American Chemical Society</i> , 2007, 129, 1864-1865.	6.6	30
53	Formation of the serine octamer: Ion evaporation or charge residue?. <i>International Journal of Mass Spectrometry</i> , 2008, 270, 166-172.	0.7	30
54	Facile Identification of Phosphorylation Sites in Peptides by Radical Directed Dissociation. <i>Analytical Chemistry</i> , 2011, 83, 6818-6826.	3.2	30

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55	Mass Shifting and Radical Delivery with Crown Ether Attachment for Separation and Analysis of Phosphatidylethanolamine Lipids. <i>Analytical Chemistry</i> , 2014, 86, 3020-3027.	3.2	29
56	Potential curves for several electronic states of the MgHe, Mg+He, and Mg+2He van der Waals complexes. <i>Journal of Chemical Physics</i> , 1999, 111, 4999-5003.	1.2	28
57	Rapid peptide fragmentation without electrons, collisions, infrared radiation, or native chromophores. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 385-393.	1.2	28
58	Electronic Effects on Narcissistic Self-Sorting in Multicomponent Self-Assembly of Fe-Iminopyridine <i>meso</i> -Helicates. <i>Inorganic Chemistry</i> , 2016, 55, 9805-9815.	1.9	28
59	Molecular Mousetraps: Gas-Phase Studies of the Covalent Coupling of Noncovalent Complexes Initiated by Reactive Carbenes Formed by Controlled Activation of Diazo Precursors. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1012-1015.	7.2	27
60	Structural and functional consequences of age-related isomerization in $\hat{\pm}$ -crystallins. <i>Journal of Biological Chemistry</i> , 2019, 294, 7546-7555.	1.6	27
61	Analysis of Glutamine Deamidation: Products, Pathways, and Kinetics. <i>Analytical Chemistry</i> , 2019, 91, 13032-13038.	3.2	26
62	Fragmentation chemistry observed in hydrogen deficient radical peptides generated from N-nitrosotryptophan residues. <i>International Journal of Mass Spectrometry</i> , 2010, 294, 83-87.	0.7	25
63	Stereoselective Postassembly CH Oxidation of Self-Assembled Metal-Ligand Cage Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 11435-11442.	1.9	25
64	Selective molecular recognition of arginine by anionic salt bridge formation with bis-phosphate crown ethers: implications for gas phase peptide acidity from adduct dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 616-624.	1.2	24
65	Biomimetic approaches to gas phase peptide chemistry: combining selective binding motifs with reactive carbene precursors to form molecular mousetraps. <i>International Journal of Mass Spectrometry</i> , 2003, 228, 851-864.	0.7	23
66	Cytochrome c Crown Ether Complexes as Supramolecular Catalysts: Cold-Active Synzymes for Asymmetric Sulfoxide Oxidation in Methanol. <i>Inorganic Chemistry</i> , 2005, 44, 904-910.	1.9	23
67	Radical delivery and fragmentation for structural analysis of glycerophospholipids. <i>International Journal of Mass Spectrometry</i> , 2014, 370, 58-65.	0.7	23
68	Ultraviolet Action Spectroscopy of Iodine Labeled Peptides and Proteins in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1228-1232.	1.1	22
69	Internal Fragments Generated from Different Top-Down Mass Spectrometry Fragmentation Methods Extend Protein Sequence Coverage. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1752-1758.	1.2	22
70	Leveraging ultraviolet photodissociation and spectroscopy to investigate peptide and protein three-dimensional structure with mass spectrometry. <i>Analyst</i> , 2016, 141, 4534-4540.	1.7	21
71	Potential curves for the ground states and some excited states of MgNe, Mg+Ne, and Mg+2Ne van der Waals complexes. <i>Journal of Chemical Physics</i> , 1999, 110, 8443-8447.	1.2	20
72	Abiotic synthesis of ATP from AMP in the gas phase: implications for the origin of biologically important molecules from small molecular clusters. <i>International Journal of Mass Spectrometry</i> , 2003, 227, 147-159.	0.7	20

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73	Dissociation Chemistry of Hydrogen-Deficient Radical Peptide Anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 460-468.	1.2	20
74	Dissociation of a protonated secondary amine in the gas phase via an ion-neutral complex. <i>International Journal of Mass Spectrometry</i> , 2007, 265, 302-307.	0.7	19
75	Electron-induced dissociation of protonated peptides yields backbone fragmentation consistent with a hydrogen-deficient radical. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2099-2101.	0.7	19
76	Resonant two-color photoionization threshold measurements of the Zn+(4s)Ar bond strength: Model-potential analysis of M+(ns)Ar interactions. <i>Journal of Chemical Physics</i> , 1999, 110, 6298-6305.	1.2	18
77	Evidence for Spontaneous Resolution of Icosahedral Proline. <i>Journal of the American Chemical Society</i> , 2006, 128, 15988-15989.	6.6	18
78	Protein structure evolution in liquid DESI as revealed by selective noncovalent adduct protein probing. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 220-225.	0.7	18
79	Photoinitiated intramolecular diradical cross-linking of polyproline peptides in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16243.	1.3	18
80	A Springloaded Metal-Ligand Mesocate Allows Access to Trapped Intermediates of Self-Assembly. <i>Inorganic Chemistry</i> , 2018, 57, 4155-4163.	1.9	18
81	Surveying Ubiquitin Structure by Noncovalent Attachment of Distance Constrained Bis(crown) Ethers. <i>Analytical Chemistry</i> , 2008, 80, 5059-5064.	3.2	17
82	Investigating the gas phase structure of KIX with radical directed dissociation and molecular dynamics: Retention of the native structure. <i>International Journal of Mass Spectrometry</i> , 2011, 308, 225-231.	0.7	17
83	Exploring Radical Migration Pathways in Peptides with Positional Isomers, Deuterium Labeling, and Molecular Dynamics Simulations. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 524-533.	1.2	16
84	Radical mediated dissection of oligosaccharides. <i>International Journal of Mass Spectrometry</i> , 2014, 372, 22-28.	0.7	16
85	Labeled Protein Recognition at a Membrane Bilayer Interface by Embedded Synthetic Receptors. <i>Langmuir</i> , 2014, 30, 10161-10166.	1.6	16
86	Directed-Backbone Dissociation Following Bond-Specific Carbon-Sulfur UVPD at 213Ånm. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1760-1767.	1.2	15
87	Simplified identification of disulfide, trisulfide, and thioether pairs with 213 nm UVPD. <i>Analyst</i> , 2018, 143, 5176-5184.	1.7	15
88	Does Data-Independent Acquisition Data Contain Hidden Gems? A Case Study Related to Alzheimer's Disease. <i>Journal of Proteome Research</i> , 2022, 21, 118-131.	1.8	15
89	Small Structural Variations Have Large Effects on the Assembly Properties and Spin State of Room Temperature High Spin Fe(II) Iminopyridine Cages. <i>Inorganic Chemistry</i> , 2018, 57, 13386-13396.	1.9	14
90	Moderated Basicity of Endohedral Amine Groups in an Octa-Cationic Self-Assembled Cage. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14

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91	Anionic deep cavitations enable the adhesion of unmodified proteins at a membrane bilayer. <i>Soft Matter</i> , 2014, 10, 9651-9656.	1.2	13
92	Probing sites of histidine phosphorylation with iodination and tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2240-2246.	0.7	11
93	Two-step energy transfer enables use of phenylalanine in action-EET for distance constraint determination in gaseous biomolecules. <i>Chemical Communications</i> , 2015, 51, 12720-12723.	2.2	11
94	Facile identification of photocleavable reactive metabolites and oxidative stress biomarkers in proteins via mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2269-2277.	1.9	10
95	Probing the Stability of Proline Cis/Trans Isomers in the Gas Phase with Ultraviolet Photodissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1974-1980.	1.2	10
96	Tyrosine Deprotonation Yields Abundant and Selective Backbone Cleavage in Peptide Anions upon Negative Electron Transfer Dissociation and Ultraviolet Photodissociation. <i>Journal of the American Chemical Society</i> , 2012, 134, 15624-15627.	6.6	9
97	Characterizing gaseous peptide structure with action-EET and simulated annealing. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25822-25827.	1.3	9
98	Two-dimensional identification and localization of isomers in crystallin peptides using TWIM-MS. <i>Analyst</i> , 2020, 145, 5232-5241.	1.7	9
99	Moderated Basicity of Endohedral Amine Groups in an Octa- ϵ -Cationic Self-Assembled Cage. <i>Angewandte Chemie</i> , 0, , .	1.6	9
100	Dynamic Interchanging Native States of Lymphotoxin Examined by SNAPP-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 399-407.	1.2	8
101	Factors that Influence Competitive Intermolecular Solvation of Protonated Groups in Peptides and Proteins in the Gas Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1634-1640.	1.2	8
102	Dissociation of proton-bound complexes reveals geometry and arrangement of double bonds in unsaturated lipids. <i>International Journal of Mass Spectrometry</i> , 2015, 390, 170-177.	0.7	8
103	Evaluating sub-lethal stress from Roundup [®] exposure in <i>Artemia franciscana</i> using ¹ H NMR and GC-MS. <i>Aquatic Toxicology</i> , 2019, 212, 77-87.	1.9	8
104	Differentiation of peptide isomers and epimers by radical-directed dissociation. <i>Methods in Enzymology</i> , 2019, 626, 67-87.	0.4	8
105	Radical-directed dissociation of peptides and proteins by infrared multiphoton dissociation and sustained off-resonance irradiation collision-induced dissociation with Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2729-2734.	0.7	7
106	Modifying the internal substituents of self-assembled cages controls their molecular recognition and optical properties. <i>Dalton Transactions</i> , 2022, 51, 10920-10929.	1.6	7
107	Examining Protein Surface Structure in Highly Conserved Sequence Variants with Mass Spectrometry. <i>Biochemistry</i> , 2012, 51, 1796-1802.	1.2	6
108	Identification of Inherently Antioxidant Regions in Proteins with Radical-Directed Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 3653-3658.	3.2	6

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109	Structural Effects of Solvation by 18-Crown-6 on Gaseous Peptides and TrpCage after Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1661-1669.	1.2	6
110	First in Human Evaluation and Dosimetry Calculations for Peptide ^{124}I -p5+14 $^{\text{a}}$ a Novel Radiotracer for the Detection of Systemic Amyloidosis Using PET/CT Imaging. <i>Molecular Imaging and Biology</i> , 2022, 24, 479-488.	1.3	6
111	Differentiation of leucine and isoleucine residues in peptides using charge transfer dissociation mass spectrometry (CTD $\hat{\text{M}}$ S). <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9246.	0.7	6
112	PIMT-Mediated Labeling of $\langle \text{sc} \rangle$ -Isoaspartic Acid with Tris Facilitates Identification of Isomerization Sites in Long-Lived Proteins. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 548-556.	1.2	6
113	The innate capacity of proteins to protect against reactive radical species. <i>Analyst, The</i> , 2015, 140, 5023-5028.	1.7	5
114	Leveraging Electron Transfer Dissociation for Site Selective Radical Generation: Applications for Peptide Epimer Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1365-1373.	1.2	5
115	A two-trick pony: lysosomal protease cathepsin B possesses surprising ligase activity. <i>RSC Chemical Biology</i> , 2021, 2, 606-611.	2.0	5
116	Proteolysis of Amyloid $\hat{1}^2$ by Lysosomal Enzymes as a Function of Fibril Morphology. <i>ACS Omega</i> , 2021, 6, 31520-31527.	1.6	5
117	Metal-selective coordination and enhanced fluorescence of a self-assembling ligand scaffold. <i>Supramolecular Chemistry</i> , 2017, 29, 936-945.	1.5	4
118	Differentiation of peptide isomers by excited-state photodissociation and ion $\hat{\text{c}}$ molecule interactions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23678-23685.	1.3	4
119	The lowest energy and excited states of the MgNe van der Waals molecule. <i>Chemical Physics Letters</i> , 1999, 301, 325-330.	1.2	3
120	Investigation of peptide microsolvation in the gas phase by radical directed dissociation mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2016, 409, 81-86.	0.7	3
121	Differentiating aspartic acid isomers and epimers with charge transfer dissociation mass spectrometry (CTD-MS). <i>Analyst, The</i> , 2022, 147, 1159-1168.	1.7	3
122	Methionine and Selenomethionine as Energy Transfer Acceptors for Biomolecular Structure Elucidation in the Gas Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1601-1608.	1.2	2
123	Radical Additions to Aromatic Residues in Peptides Facilitate Unexpected Side Chain and Backbone Losses. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 626-635.	1.2	1
124	Photolytic determination of charge state for large proteins and fragments in an ion trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 322-326.	0.7	1
125	Re-print of $\hat{\text{c}}$ Radical Delivery and Fragmentation for Structural Analysis of Glycerophospholipids $\hat{\text{c}}$. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 225-231.	0.7	1
126	Efficient Isothiocyanate Modification of Peptides Facilitates Structural Analysis by Radical-Directed Dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, , .	1.2	1

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127	LC-MS Reveals Isomeric Inhibition of Proteolysis by Lysosomal Cathepsins. <i>Analysis & Sensing</i> , 0, , .	1.1	1
128	Cover Picture: Molecular Mousetraps: Gas-Phase Studies of the Covalent Coupling of Noncovalent Complexes Initiated by Reactive Carbenes Formed by Controlled Activation of Diazo Precursors (Angew. Chem. Int. Ed. 9/2003). <i>Angewandte Chemie - International Edition</i> , 2003, 42, 957-957.	7.2	0
129	26th ASMS Sanibel Conference on Mass Spectrometry - Ion Activation: Fundamentals, Applications and New Frontiers. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1307-1309.	1.2	0
130	Dehydrogenation of icosahedral carborane anions via gas-phase collisional activation. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1223-1227.	0.7	0
131	Synthesis of new S S and C C bonds by photoinitiated radical recombination reactions in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2019, 441, 25-31.	0.7	0