

Ryan R Julian

List of Publications by Year in descending order

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141
docs citations

141
times ranked

2800
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Peptide Radicals and Cation Radicals in the Gas Phase. Chemical Reviews, 2013, 113, 6691-6733. | 47.7 | 191 |
| 2 | Residue-Specific Radical-Directed Dissociation of Whole Proteins in the Gas Phase. Journal of the American Chemical Society, 2008, 130, 351-358. | 13.7 | 188 |
| 3 | Side Chain Chemistry Mediates Backbone Fragmentation in Hydrogen Deficient Peptide Radicals. Journal of Proteome Research, 2009, 8, 958-966. | 3.7 | 137 |
| 4 | Nanocrystalline Aggregation of Serine Detected by Electrospray Ionization Mass Spectrometry: Origin of the Stable Homochiral Gas-Phase Serine Octamer. Journal of Physical Chemistry B, 2002, 106, 1219-1228. | 2.6 | 124 |
| 5 | Ultraviolet Photodissociation: Developments towards Applications for Mass Spectrometry-Based Proteomics. Angewandte Chemie - International Edition, 2009, 48, 7130-7137. | 13.8 | 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. International Journal of Mass Spectrometry, 2001, 210-211, 613-623. | 1.5 | 118 |
| 7 | Salt Bridge Stabilization of Charged Zwitterionic Arginine Aggregates in the Gas Phase. Journal of the American Chemical Society, 2001, 123, 3577-3583. | 13.7 | 111 |
| 8 | Tandem Reactivity of a Self-Assembled Cage Catalyst with Endohedral Acid Groups. Journal of the American Chemical Society, 2018, 140, 8078-8081. | 13.7 | 101 |
| 9 | Elucidating the Tertiary Structure of Protein Ions in Vacuo with Site Specific Photoinitiated Radical Reactions. Journal of the American Chemical Society, 2010, 132, 8602-8609. | 13.7 | 94 |
| 10 | Direct Elucidation of Disulfide Bond Partners Using Ultraviolet Photodissociation Mass Spectrometry. Analytical Chemistry, 2011, 83, 6455-6458. | 6.5 | 91 |
| 11 | Discriminating <sc>d</sc>-Amino Acid-Containing Peptide Epimers by Radical-Directed Dissociation Mass Spectrometry. Analytical Chemistry, 2012, 84, 6814-6820. | 6.5 | 77 |
| 12 | Cooperative Salt Bridge Stabilization of Gas-Phase Zwitterions in Neutral Arginine Clusters. Journal of Physical Chemistry A, 2002, 106, 32-34. | 2.5 | 76 |
| 13 | Gas-Phase Synthesis of Charged Copper and Silver Fischer Carbenes from Diazomalonates: Mechanistic and Conformational Considerations in Metal-Mediated Wolff Rearrangements. Journal of the American Chemical Society, 2003, 125, 4478-4486. | 13.7 | 73 |
| 14 | Narcissistic Self-Sorting in Self-Assembled Cages of Rare Earth Metals and Rigid Ligands. Angewandte Chemie - International Edition, 2015, 54, 5641-5645. | 13.8 | 70 |
| 15 | Site-Specific Radical Directed Dissociation of Peptides at Phosphorylated Residues. Journal of the American Chemical Society, 2008, 130, 12212-12213. | 13.7 | 69 |
| 16 | Using ESI-MS to probe protein structure by site-specific noncovalent attachment of 18-crown-6. Journal of the American Society for Mass Spectrometry, 2006, 17, 1209-1215. | 2.8 | 67 |
| 17 | Tracking radical migration in large hydrogen deficient peptides with covalent labels: Facile movement does not equal indiscriminate fragmentation. Journal of the American Society for Mass Spectrometry, 2009, 20, 1148-1158. | 2.8 | 63 |
| 18 | The Mechanism Behind Top-Down UVPD Experiments: Making Sense of Apparent Contradictions. Journal of the American Society for Mass Spectrometry, 2017, 28, 1823-1826. | 2.8 | 63 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Spontaneous chiral separation in noncovalent molecular clusters. <i>Chirality</i> , 2001, 13, 703-706. | 2.6 | 60 |
| 20 | Identification of Amino Acid Epimerization and Isomerization in Crystallin Proteins by Tandem LC-MS. <i>Analytical Chemistry</i> , 2014, 86, 9733-9741. | 6.5 | 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. | 11.3 | 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. | 2.8 | 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. | 13.7 | 56 |
| 24 | Ion-molecule reactions reveal facile radical migration in peptides. <i>Chemical Communications</i> , 2009, , 5015. | 4.1 | 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. | 6.5 | 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. | 13.7 | 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. | 2.5 | 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. | 2.8 | 49 |
| 29 | Gas-Phase Zwitterions in the Absence of a Net Charge. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10861-10864. | 2.5 | 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. | 2.8 | 46 |
| 31 | Do Homochiral Aggregates Have an Entropic Advantage?. <i>Journal of Physical Chemistry B</i> , 2005, 109, 440-444. | 2.6 | 45 |
| 32 | Formation of Nanometer-Scale Serine Clusters by Sonic Spray. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6105-6111. | 2.6 | 43 |
| 33 | Radical Conversion and Migration in Electron Capture Dissociation. <i>Journal of the American Chemical Society</i> , 2011, 133, 6997-7006. | 13.7 | 43 |
| 34 | Spontaneous Anti-Resolution in Heterochiral Clusters of Serine. <i>Journal of the American Chemical Society</i> , 2004, 126, 4110-4111. | 13.7 | 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. | 13.7 | 40 |
| 36 | Glycan Isomer Identification Using Ultraviolet Photodissociation Initiated Radical Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 11581-11588. | 6.5 | 39 |

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|----|--|------|-----------|
| 37 | Dissociation energies of X-H bonds in amino acids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3148. | 2.8 | 38 |
| 38 | Sequence and Solution Effects on the Prevalence of <sc>d</sc>-Isomers Produced by Deamidation. <i>ACS Chemical Biology</i> , 2017, 12, 2875-2882. | 3.4 | 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. | 2.8 | 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. | 2.8 | 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. | 1.5 | 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. | 1.5 | 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. | 13.7 | 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. | 6.5 | 35 |
| 45 | Rapid, quantitative, and site specific synthesis of biomolecular radicals from a simple photocaged precursor. <i>Chemical Communications</i> , 2011, 47, 2835. | 4.1 | 35 |
| 46 | Differences in β -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. | 2.6 | 35 |
| 47 | Radical Directed Dissociation for Facile Identification of Iodotyrosine Residues Using Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 3826-3833. | 6.5 | 34 |
| 48 | Identification of Sequence Similarities among Isomerization Hotspots in Crystallin Proteins. <i>Journal of Proteome Research</i> , 2017, 16, 1797-1805. | 3.7 | 34 |
| 49 | Chirally Directed Formation of Nanometer-Scale Proline Clusters. <i>Journal of the American Chemical Society</i> , 2006, 128, 10833-10839. | 13.7 | 33 |
| 50 | Characterization of glycosphingolipid epimers by radical-directed dissociation mass spectrometry. <i>Analyst</i> , 2016, 141, 1273-1278. | 3.5 | 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. | 2.8 | 31 |
| 52 | Synthesis of 2-Quinuclidonium by Eliminating Water: A Experimental Quantification of the High Basicity of Extremely Twisted Amides. <i>Journal of the American Chemical Society</i> , 2007, 129, 1864-1865. | 13.7 | 30 |
| 53 | Formation of the serine octamer: Ion evaporation or charge residue?. <i>International Journal of Mass Spectrometry</i> , 2008, 270, 166-172. | 1.5 | 30 |
| 54 | Facile Identification of Phosphorylation Sites in Peptides by Radical Directed Dissociation. <i>Analytical Chemistry</i> , 2011, 83, 6818-6826. | 6.5 | 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. | 6.5 | 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. | 3.0 | 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. | 2.8 | 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. | 4.0 | 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. | 13.8 | 27 |
| 60 | Structural and functional consequences of age-related isomerization in $\hat{1}\pm$ -crystallins. <i>Journal of Biological Chemistry</i> , 2019, 294, 7546-7555. | 3.4 | 27 |
| 61 | Analysis of Glutamine Deamidation: Products, Pathways, and Kinetics. <i>Analytical Chemistry</i> , 2019, 91, 13032-13038. | 6.5 | 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. | 1.5 | 25 |
| 63 | Stereoselective Postassembly CH Oxidation of Self-Assembled Metal-Ligand Cage Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 11435-11442. | 4.0 | 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. | 2.8 | 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. | 1.5 | 23 |
| 66 | Cytochrome c^* Crown Ether Complexes as Supramolecular Catalysts: A Cold-Active Synzymes for Asymmetric Sulfoxide Oxidation in Methanol. <i>Inorganic Chemistry</i> , 2005, 44, 904-910. | 4.0 | 23 |
| 67 | Radical delivery and fragmentation for structural analysis of glycerophospholipids. <i>International Journal of Mass Spectrometry</i> , 2014, 370, 58-65. | 1.5 | 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. | 2.5 | 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. | 2.8 | 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. | 3.5 | 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. | 3.0 | 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. | 1.5 | 20 |

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| 73 | Dissociation Chemistry of Hydrogen-Deficient Radical Peptide Anions. Journal of the American Society for Mass Spectrometry, 2012, 23, 460-468. | 2.8 | 20 |
| 74 | Dissociation of a protonated secondary amine in the gas phase via an ion-neutral complex. International Journal of Mass Spectrometry, 2007, 265, 302-307. | 1.5 | 19 |
| 75 | Electron-induced dissociation of protonated peptides yields backbone fragmentation consistent with a hydrogen-deficient radical. Rapid Communications in Mass Spectrometry, 2009, 23, 2099-2101. | 1.5 | 19 |
| 76 | Resonant two-color photoionization threshold measurements of the Zn+(4s)Ar bond strength: Model-potential analysis of M+(ns)Ar interactions. Journal of Chemical Physics, 1999, 110, 6298-6305. | 3.0 | 18 |
| 77 | Evidence for Spontaneous Resolution of Icosahedral Proline. Journal of the American Chemical Society, 2006, 128, 15988-15989. | 13.7 | 18 |
| 78 | Protein structure evolution in liquid DESI as revealed by selective noncovalent adduct protein probing. International Journal of Mass Spectrometry, 2012, 330-332, 220-225. | 1.5 | 18 |
| 79 | Photoinitiated intramolecular diradical cross-linking of polyproline peptides in the gas phase. Physical Chemistry Chemical Physics, 2012, 14, 16243. | 2.8 | 18 |
| 80 | A Springloaded Metal-Ligand Mesocate Allows Access to Trapped Intermediates of Self-Assembly. Inorganic Chemistry, 2018, 57, 4155-4163. | 4.0 | 18 |
| 81 | Surveying Ubiquitin Structure by Noncovalent Attachment of Distance Constrained Bis(crown) Ethers. Analytical Chemistry, 2008, 80, 5059-5064. | 6.5 | 17 |
| 82 | Investigating the gas phase structure of KIX with radical directed dissociation and molecular dynamics: Retention of the native structure. International Journal of Mass Spectrometry, 2011, 308, 225-231. | 1.5 | 17 |
| 83 | Exploring Radical Migration Pathways in Peptides with Positional Isomers, Deuterium Labeling, and Molecular Dynamics Simulations. Journal of the American Society for Mass Spectrometry, 2013, 24, 524-533. | 2.8 | 16 |
| 84 | Radical mediated dissection of oligosaccharides. International Journal of Mass Spectrometry, 2014, 372, 22-28. | 1.5 | 16 |
| 85 | Labeled Protein Recognition at a Membrane Bilayer Interface by Embedded Synthetic Receptors. Langmuir, 2014, 30, 10161-10166. | 3.5 | 16 |
| 86 | Directed-Backbone Dissociation Following Bond-Specific Carbon-Sulfur UVPD at 213Ånm. Journal of the American Society for Mass Spectrometry, 2018, 29, 1760-1767. | 2.8 | 15 |
| 87 | Simplified identification of disulfide, trisulfide, and thioether pairs with 213 nm UVPD. Analyst, The, 2018, 143, 5176-5184. | 3.5 | 15 |
| 88 | Does Data-Independent Acquisition Data Contain Hidden Gems? A Case Study Related to Alzheimer's Disease. Journal of Proteome Research, 2022, 21, 118-131. | 3.7 | 15 |
| 89 | Small Structural Variations Have Large Effects on the Assembly Properties and Spin State of Room Temperature High Spin Fe(II) Iminopyridine Cages. Inorganic Chemistry, 2018, 57, 13386-13396. | 4.0 | 14 |
| 90 | Moderated Basicity of Endohedral Amine Groups in an Octa-Cationic Self-Assembled Cage. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 14 |

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| 91 | Anionic deep cavitands enable the adhesion of unmodified proteins at a membrane bilayer. <i>Soft Matter</i> , 2014, 10, 9651-9656. | 2.7 | 13 |
| 92 | Probing sites of histidine phosphorylation with iodination and tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2240-2246. | 1.5 | 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. | 4.1 | 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. | 3.7 | 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. | 2.8 | 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. | 13.7 | 9 |
| 97 | Characterizing gaseous peptide structure with action-EET and simulated annealing. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25822-25827. | 2.8 | 9 |
| 98 | Two-dimensional identification and localization of isomers in crystallin peptides using TWIM-MS. <i>Analyst</i> , 2020, 145, 5232-5241. | 3.5 | 9 |
| 99 | Moderated Basicity of Endohedral Amine Groups in an Octa- π -Cationic Self-Assembled Cage. <i>Angewandte Chemie</i> , 0, , . | 2.0 | 9 |
| 100 | Dynamic Interchanging Native States of Lymphotactin Examined by SNAPP-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 399-407. | 2.8 | 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. | 2.8 | 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. | 1.5 | 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. | 4.0 | 8 |
| 104 | Differentiation of peptide isomers and epimers by radical-directed dissociation. <i>Methods in Enzymology</i> , 2019, 626, 67-87. | 1.0 | 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. | 1.5 | 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. | 3.3 | 7 |
| 107 | Examining Protein Surface Structure in Highly Conserved Sequence Variants with Mass Spectrometry. <i>Biochemistry</i> , 2012, 51, 1796-1802. | 2.5 | 6 |
| 108 | Identification of Inherently Antioxidant Regions in Proteins with Radical-Directed Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 3653-3658. | 6.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 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. | 2.8 | 6 |
| 110 | First in Human Evaluation and Dosimetry Calculations for Peptide ^{124}I -p5+14â€”a Novel Radiotracer for the Detection of Systemic Amyloidosis Using PET/CT Imaging. <i>Molecular Imaging and Biology</i> , 2022, 24, 479-488. | 2.6 | 6 |
| 111 | Differentiation of leucine and isoleucine residues in peptides using charge transfer dissociation mass spectrometry (CTDâ€”MS). <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9246. | 1.5 | 6 |
| 112 | PIMT-Mediated Labeling of <scp> </scp>-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. | 2.8 | 6 |
| 113 | The innate capacity of proteins to protect against reactive radical species. <i>Analyst, The</i> , 2015, 140, 5023-5028. | 3.5 | 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. | 2.8 | 5 |
| 115 | A two-trick pony: lysosomal protease cathepsin B possesses surprising ligase activity. <i>RSC Chemical Biology</i> , 2021, 2, 606-611. | 4.1 | 5 |
| 116 | Proteolysis of Amyloid I^2 by Lysosomal Enzymes as a Function of Fibril Morphology. <i>ACS Omega</i> , 2021, 6, 31520-31527. | 3.5 | 5 |
| 117 | Metal-selective coordination and enhanced fluorescence of a self-assembling ligand scaffold. <i>Supramolecular Chemistry</i> , 2017, 29, 936-945. | 1.2 | 4 |
| 118 | Differentiation of peptide isomers by excited-state photodissociation and ionâ€”molecule interactions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23678-23685. | 2.8 | 4 |
| 119 | The lowest energy and excited states of the MgNe van der Waals molecule. <i>Chemical Physics Letters</i> , 1999, 301, 325-330. | 2.6 | 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. | 1.5 | 3 |
| 121 | Differentiating aspartic acid isomers and epimers with charge transfer dissociation mass spectrometry (CTD-MS). <i>Analyst, The</i> , 2022, 147, 1159-1168. | 3.5 | 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. | 2.8 | 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. | 2.8 | 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. | 1.5 | 1 |
| 125 | Re-print of â€œRadical Delivery and Fragmentation for Structural Analysis of Glycerophospholipidsâ€” <i>International Journal of Mass Spectrometry</i> , 2015, 378, 225-231. | 1.5 | 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, , . | 2.8 | 1 |

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|-----|---|------|-----------|
| 127 | LC-MS Reveals Isomeric Inhibition of Proteolysis by Lysosomal Cathepsins. <i>Analysis & Sensing</i> , 0, , . | 2.0 | 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. | 13.8 | 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. | 2.8 | 0 |
| 130 | Dehydrogenation of icosahedral carborane anions via gas-phase collisional activation. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1223-1227. | 1.5 | 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. | 1.5 | 0 |