

# Benjamin J Bythell

## List of Publications by Year in descending order

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30  
papers

812  
citations

567281

15  
h-index

501196

28  
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30  
all docs

30  
docs citations

30  
times ranked

612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer-solvent interaction and conformational changes at a molecular level: Implication to solvent-assisted deformation and aggregation at the polymer surface. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 221-233.	9.4	7
2	Gas-Phase Dissociation Chemistry of Deprotonated RGD. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 55-63.	2.8	4
3	Unravelling the structures of sodiated $\beta$ -cyclodextrin and its fragments. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13714-13723.	2.8	15
4	Size Dependent Fragmentation Chemistry of Short Doubly Protonated Tryptic Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1020-1032.	2.8	1
5	Evidence of gas-phase pyranose-to-furanose isomerization in protonated peptidoglycans. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23256-23266.	2.8	2
6	Isomeric Differentiation and Acidic Metabolite Identification by Piperidine-Based Tagging, LC-MS/MS, and Understanding of the Dissociation Chemistries. <i>Analytical Chemistry</i> , 2020, 92, 9305-9311.	6.5	5
7	Leaving Group Effects in a Series of Electrosprayed CcHhN1 Anthracene Derivatives. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2306-2317.	2.8	2
8	Fragmentation of Multi-charged Derivatized Lysine Using Nanospray CID Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1158-1162.	2.8	5
9	Interrogating Proton Affinities of Organophosphonate Species Via Atmospheric Flow Tube Mass Spectrometry and Computational Methods. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1308-1320.	2.8	3
10	Deprotonated carbohydrate anion fragmentation chemistry: structural evidence from tandem mass spectrometry, infra-red spectroscopy, and theory. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27897-27909.	2.8	19
11	Sequence Ion Structures and Dissociation Chemistry of Deprotonated Sucrose Anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2380-2393.	2.8	15
12	Fragmentation Pathways of Lithiated Hexose Monosaccharides. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1627-1637.	2.8	18
13	Comment on: "Quantum Chemical Mass Spectrometry: Verification and Extension of the Mobile Proton Model for Histidine" by Julie Cautereels and Frank Blockhuys, <i>J. Am. Soc. Mass Spectrom.</i> 28, 1227-1235 (2017). <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2728-2730.	2.8	4
14	Sodium-cationized carbohydrate gas-phase fragmentation chemistry: influence of glycosidic linkage position. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25643-25652.	2.8	38
15	Stereochemical Sequence Ion Selectivity: Proline versus Pipecolic-acid-containing Protonated Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 182-189.	2.8	8
16	Cationized Carbohydrate Gas-Phase Fragmentation Chemistry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 688-703.	2.8	49
17	Benefits of multidimensional fractionation for the study and characterization of natural organic matter. <i>Journal of Chromatography A</i> , 2016, 1470, 84-96.	3.7	21
18	Structure-Property Relationships in Tricyanoferrate(III) Building Blocks and Trinuclear Cyanide-Bridged Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2432-2442.	2.0	11

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19	Proton Mobility in $b_{2+}$ Ion Formation and Fragmentation Reactions of Histidine-Containing Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 487-497.	2.8	18
20	Formation of $a_1$ Ions Directly from Oxazolone $b_{2+}$ Ions: an Energy-Resolved and Computational Study. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 774-781.	2.8	17
21	$C_{1\pm}$ Hydrogen Atom Transfer in Post-Cleavage Radical-Cation Complexes: Short and Steep versus Long Winding Road. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10797-10803.	2.5	6
22	Assigning Structures to Gas-Phase Peptide Cations and Cation-Radicals. An Infrared Multiphoton Dissociation, Ion Mobility, Electron Transfer, and Computational Study of a Histidine Peptide Ion. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3445-3456.	2.6	47
23	Tyrosine side-chain catalyzed proton transfer in the YG $a_2$ ion revealed by theory and IR spectroscopy in the "fingerprint" and XH (X=C, N, O) stretching regions. <i>International Journal of Mass Spectrometry</i> , 2012, 316-318, 227-234.	1.5	12
24	The Histidine Effect. Electron Transfer and Capture Cause Different Dissociations and Rearrangements of Histidine Peptide Cation-Radicals. <i>Journal of the American Chemical Society</i> , 2010, 132, 10728-10740.	13.7	55
25	Cyclization and Rearrangement Reactions of $b$ Fragment Ions of Protonated Peptides. <i>Journal of the American Chemical Society</i> , 2010, 132, 14766-14779.	13.7	84
26	Infrared Spectroscopy of Fragments from Doubly Protonated Tryptic Peptides. <i>ChemPhysChem</i> , 2009, 10, 883-885.	2.1	74
27	What is the structure of $b_{2+}$ ions generated from doubly protonated tryptic peptides?. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 618-624.	2.8	65
28	Proton-Driven Amide Bond-Cleavage Pathways of Gas-Phase Peptide Ions Lacking Mobile Protons. <i>Journal of the American Chemical Society</i> , 2009, 131, 14057-14065.	13.7	84
29	Infrared Spectroscopy of Fragments of Protonated Peptides: Direct Evidence for Macrocyclic Structures of $b_5$ Ions. <i>Journal of the American Chemical Society</i> , 2009, 131, 11503-11508.	13.7	92
30	Structure and Reactivity of $b$ and $y$ Peptide Fragments Investigated Using Isotope Labeling, Tandem Mass Spectrometry, and Density Functional Theory Calculations. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1788-1798.	2.8	31