Benjamin J Bythell

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2794641/publications.pdf

Version: 2024-02-01

30	812	567281 15	501196 28
papers	citations	h-index	g-index

30	30	30	612
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Infrared Spectroscopy of Fragments of Protonated Peptides: Direct Evidence for Macrocyclic Structures of b₅ Ions. Journal of the American Chemical Society, 2009, 131, 11503-11508.	13.7	92
2	Proton-Driven Amide Bond-Cleavage Pathways of Gas-Phase Peptide Ions Lacking Mobile Protons. Journal of the American Chemical Society, 2009, 131, 14057-14065.	13.7	84
3	Cyclization and Rearrangement Reactions ofanFragment Ions of Protonated Peptides. Journal of the American Chemical Society, 2010, 132, 14766-14779.	13.7	84
4	Infrared Spectroscopy of Fragments from Doubly Protonated Tryptic Peptides. ChemPhysChem, 2009, 10, 883-885.	2.1	74
5	What is the structure of b₂ ions generated from doubly protonated tryptic peptides?. Journal of the American Society for Mass Spectrometry, 2009, 20, 618-624.	2.8	65
6	The Histidine Effect. Electron Transfer and Capture Cause Different Dissociations and Rearrangements of Histidine Peptide Cation-Radicals. Journal of the American Chemical Society, 2010, 132, 10728-10740.	13.7	55
7	Cationized Carbohydrate Gas-Phase Fragmentation Chemistry. Journal of the American Society for Mass Spectrometry, 2017, 28, 688-703.	2.8	49
8	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. Journal of Physical Chemistry B, 2012, 116, 3445-3456.	2.6	47
9	Sodium-cationized carbohydrate gas-phase fragmentation chemistry: influence of glycosidic linkage position. Physical Chemistry Chemical Physics, 2017, 19, 25643-25652.	2.8	38
10	Structure and Reactivity of an and an Peptide Fragments Investigated Using Isotope Labeling, Tandem Mass Spectrometry, and Density Functional Theory Calculationsâ€. Journal of the American Society for Mass Spectrometry, 2008, 19, 1788-1798.	2.8	31
11	Benefits of multidimensional fractionation for the study and characterization of natural organic matter. Journal of Chromatography A, 2016, 1470, 84-96.	3.7	21
12	Deprotonated carbohydrate anion fragmentation chemistry: structural evidence from tandem mass spectrometry, infra-red spectroscopy, and theory. Physical Chemistry Chemical Physics, 2018, 20, 27897-27909.	2.8	19
13	Proton Mobility in b₂ Ion Formation and Fragmentation Reactions of Histidine-Containing Peptides. Journal of the American Society for Mass Spectrometry, 2016, 27, 487-497.	2.8	18
14	Fragmentation Pathways of Lithiated Hexose Monosaccharides. Journal of the American Society for Mass Spectrometry, 2018, 29, 1627-1637.	2.8	18
15	Formation of a₁ Ions Directly from Oxazolone b₂ Ions: an Energy-Resolved and Computational Study. Journal of the American Society for Mass Spectrometry, 2015, 26, 774-781.	2.8	17
16	Sequence Ion Structures and Dissociation Chemistry of Deprotonated Sucrose Anions. Journal of the American Society for Mass Spectrometry, 2018, 29, 2380-2393.	2.8	15
17	Unravelling the structures of sodiated Î²-cyclodextrin and its fragments. Physical Chemistry Chemical Physics, 2021, 23, 13714-13723.	2.8	15
18	Tyrosine side-chain catalyzed proton transfer in the YG a2 ion revealed by theory and IR spectroscopy in the â€˜fingerprintâ€™ and XH (X=C, N, O) stretching regions. International Journal of Mass Spectrometry, 2012, 316-318, 227-234.	1.5	12

#	Article	IF	Citations
19	Structureâ€Property Relationships in Tricyanoferrate(III) Building Blocks and Trinuclear Cyanideâ€Bridged Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 2432-2442.	2.0	11
20	Stereochemical Sequence Ion Selectivity: Proline versus Pipecolic-acid-containing Protonated Peptides. Journal of the American Society for Mass Spectrometry, 2017, 28, 182-189.	2.8	8
21	Polymer-solvent interaction and conformational changes at a molecular level: Implication to solvent-assisted deformation and aggregation at the polymer surface. Journal of Colloid and Interface Science, 2022, 616, 221-233.	9.4	7
22	C_{Î±} Hydrogen Atom Transfer in Post-Cleavage Radical-Cation Complexes: Short and Steep versus Long Winding Road. Journal of Physical Chemistry A, 2014, 118, 10797-10803.	2.5	6
23	Fragmentation of Multi-charged Derivatized Lysine Using Nanospray CID Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1158-1162.	2.8	5
24	Isomeric Differentiation and Acidic Metabolite Identification by Piperidine-Based Tagging, LCâ€“MS/MS, and Understanding of the Dissociation Chemistries. Analytical Chemistry, 2020, 92, 9305-9311.	6.5	5
25	Comment on: â€œQuantum Chemical Mass Spectrometry: Verification and Extension of the Mobile Proton Model for Histidineâ€•by Julie Cautereels and Frank Blockhuys, J. Am. Soc. Mass Spectrom. 28, 1227-1235 (2017). Journal of the American Society for Mass Spectrometry, 2017, 28, 2728-2730.	2.8	4
26	Gas-Phase Dissociation Chemistry of Deprotonated RGD. Journal of the American Society for Mass Spectrometry, 2021, 32, 55-63.	2.8	4
27	Interrogating Proton Affinities of Organophosphonate Species Via Atmospheric Flow Tube Mass Spectrometry and Computational Methods. Journal of the American Society for Mass Spectrometry, 2019, 30, 1308-1320.	2.8	3
28	Leaving Group Effects in a Series of Electrosprayed CcHhN1 Anthracene Derivatives. Journal of the American Society for Mass Spectrometry, 2019, 30, 2306-2317.	2.8	2
29	Evidence of gas-phase pyranose-to-furanose isomerization in protonated peptidoglycans. Physical Chemistry Chemical Physics, 2021, 23, 23256-23266.	2.8	2
30	Size Dependent Fragmentation Chemistry of Short Doubly Protonated Tryptic Peptides. Journal of the American Society for Mass Spectrometry, 2021, 32, 1020-1032.	2.8	1