

Daniel W Woodall

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Melting Proteins: Evidence for Multiple Stable Structures upon Thermal Denaturation of Native Ubiquitin from Ion Mobility Spectrometry-Mass Spectrometry Measurements. <i>Journal of the American Chemical Society</i> , 2017, 139, 6306-6309.	13.7	86
2	Magic matrices for ionization in mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 532-545.	1.5	43
3	High-Throughput Characterization of Small and Large Molecules Using Only a Matrix and the Vacuum of a Mass Spectrometer. <i>Analytical Chemistry</i> , 2015, 87, 4667-4674.	6.5	31
4	Evidence for Many Unique Solution Structures for Chymotrypsin Inhibitor 2: A Thermodynamic Perspective Derived from vT-ESI-IMS-MS Measurements. <i>Journal of the American Chemical Society</i> , 2020, 142, 17372-17383.	13.7	26
5	Reproducibility and Quantification of Illicit Drugs Using Matrix-Assisted Ionization (MAI) Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 8301-8306.	6.5	25
6	Conformationally Regulated Peptide Bond Cleavage in Bradykinin. <i>Journal of the American Chemical Society</i> , 2018, 140, 9357-9360.	13.7	25
7	Variable-Temperature ESI-IMS-MS Analysis of Myohemerythrin Reveals Ligand Losses, Unfolding, and a Non-Native Disulfide Bond. <i>Analytical Chemistry</i> , 2019, 91, 6808-6814.	6.5	23
8	Rapid high mass resolution mass spectrometry using matrix-assisted ionization. <i>Methods</i> , 2016, 104, 63-68.	3.8	21
9	Melting of Hemoglobin in Native Solutions as measured by IMS-MS. <i>Analytical Chemistry</i> , 2020, 92, 3440-3446.	6.5	20
10	Melting proteins confined in nanodroplets with 10.6 μm light provides clues about early steps of denaturation. <i>Chemical Communications</i> , 2018, 54, 3270-3273.	4.1	18
11	Characterizing Thermal Transitions of IgG with Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2438-2445.	2.8	18
12	Understanding the Thermal Denaturation of Myoglobin with IMS-MS: Evidence for Multiple Stable Structures and Trapped Pre-equilibrium States. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 64-72.	2.8	16
13	Substance P in the Gas Phase: Conformational Changes and Dissociations Induced by Collisional Activation in a Drift Tube. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 932-945.	2.8	8
14	Thermal Analysis of a Mixture of Ribosomal Proteins by vT-ESI-MS: Toward a Parallel Approach for Characterizing the Stabilitome. <i>Analytical Chemistry</i> , 2021, 93, 8484-8492.	6.5	8
15	Resolving Isomers of Star-Branched Poly(Ethylene Glycols) by IMS-MS Using Multiply Charged Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 21-32.	2.8	6