

# James A Madsen

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

973  
citations

471509

17  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amino acid addition to <i>Vibrio cholerae</i> LPS establishes a link between surface remodeling in Gram-positive and Gram-negative bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8722-8727.	7.1	133
2	Ultrafast Ultraviolet Photodissociation at 193 nm and its Applicability to Proteomic Workflows. Journal of Proteome Research, 2010, 9, 4205-4214.	3.7	102
3	Infrared Photoactivation Reduces Peptide Folding and Hydrogen Atom Migration following ETD Tandem Mass Spectrometry. Angewandte Chemie - International Edition, 2009, 48, 8526-8528.	13.8	90
4	Elucidation of a novel <i>Vibrio cholerae</i> lipid A secondary hydroxyacyltransferase and its role in innate immune recognition. Molecular Microbiology, 2011, 81, 1313-1329.	2.5	71
5	193-nm photodissociation of singly and multiply charged peptide anions for acidic proteome characterization. Proteomics, 2011, 11, 1329-1334.	2.2	70
6	Concurrent Automated Sequencing of the Glycan and Peptide Portions of O-Linked Glycopeptide Anions by Ultraviolet Photodissociation Mass Spectrometry. Analytical Chemistry, 2013, 85, 9253-9261.	6.5	65
7	Tyrosine sulfation in a Gram-negative bacterium. Nature Communications, 2012, 3, 1153.	12.8	63
8	IR and UV Photodissociation as Analytical Tools for Characterizing Lipid A Structures. Analytical Chemistry, 2011, 83, 5107-5113.	6.5	45
9	Simplifying Fragmentation Patterns of Multiply Charged Peptides by N-Terminal Derivatization and Electron Transfer Collision Activated Dissociation. Analytical Chemistry, 2009, 81, 3645-3653.	6.5	43
10	Infrared Multiphoton Dissociation of Peptide Cations in a Dual Pressure Linear Ion Trap Mass Spectrometer. Analytical Chemistry, 2009, 81, 8109-8118.	6.5	43
11	Comparison of infrared multiphoton dissociation and collision-induced dissociation of supercharged peptides in ion traps. Journal of the American Society for Mass Spectrometry, 2009, 20, 349-358.	2.8	42
12	The Outer Membrane of Gram-Negative Bacteria: Lipid A Isolation and Characterization. Methods in Molecular Biology, 2013, 966, 239-258.	0.9	41
13	Top-Down Protein Fragmentation by Infrared Multiphoton Dissociation in a Dual Pressure Linear Ion Trap. Analytical Chemistry, 2009, 81, 8677-8686.	6.5	33
14	High-throughput Database Search and Large-scale Negative Polarity Liquid Chromatography-Tandem Mass Spectrometry with Ultraviolet Photodissociation for Complex Proteomic Samples. Molecular and Cellular Proteomics, 2013, 12, 2604-2614.	3.8	33
15	Systematic Comparison of Ultraviolet Photodissociation and Electron Transfer Dissociation for Peptide Anion Characterization. Journal of the American Society for Mass Spectrometry, 2012, 23, 1707-1715.	2.8	29
16	Asymmetric charge partitioning upon dissociation of DNA duplexes. Journal of the American Society for Mass Spectrometry, 2010, 21, 1144-1150.	2.8	20
17	Charge-Site-Dependent Dissociation of Hydrogen-Rich Radical Peptide Cations upon Vacuum UV Photoexcitation. Chemistry - A European Journal, 2012, 18, 5374-5383.	3.3	19
18	193 nm Ultraviolet Photodissociation of Imidazolylated Lys-N Peptides for De Novo Sequencing. Analytical Chemistry, 2012, 84, 2433-2439.	6.5	14

#	ARTICLE	IF	CITATIONS
19	Covalent Labeling Denaturation Mass Spectrometry for Sensitive Localized Higher Order Structure Comparisons. <i>Analytical Chemistry</i> , 2016, 88, 2478-2488.	6.5	8
20	Data-independent oxonium ion profiling of multi-glycosylated biotherapeutics. <i>MAbs</i> , 2018, 10, 1-11.	5.2	8
21	High fidelity approach for proteomic scale enrichment and identification of N-termini. <i>International Journal of Mass Spectrometry</i> , 2015, 391, 115-122.	1.5	1