

Jennifer S Brodbelt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

386
papers

12,298
citations

57
h-index

80
g-index

422
ext. papers

13,658
ext. citations

6.6
avg, IF

6.95
L-index

#	Paper	IF	Citations
386	Analysis of Viral Spike Protein N-Glycosylation Using Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2022 ,	7.8	2
385	Influence of Primary Structure on Fragmentation of Native-Like Proteins by Ultraviolet Photodissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 2860-2873	3.5	1
384	Structural Characterization of Carbonic Anhydrase-Arylsulfonamide Complexes Using Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1370-1379	3.5	1
383	Evaluating Spatiotemporal Dynamics of Phosphorylation of RNA Polymerase II Carboxy-Terminal Domain by Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8488-8498	16.4	2
382	Directed Evolution of an Improved Aminoacyl-tRNA Synthetase for Incorporation of L-3,4-Dihydroxyphenylalanine (L-DOPA). <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14811-14816	16.4	4
381	Directed Evolution of an Improved Aminoacyl-tRNA Synthetase for Incorporation of L-3,4-Dihydroxyphenylalanine (L-DOPA). <i>Angewandte Chemie</i> , 2021 , 133, 14937-14942	3.6	4
380	Absorption Mode Fourier Transform Ion Mobility Mass Spectrometry Multiplexing Combined with Half-Window Apodization Windows Improves Resolution and Shortens Acquisition Times. <i>Analytical Chemistry</i> , 2021 , 93, 9513-9520	7.8	3
379	Investigation of the Experimental Parameters of Ultraviolet Photodissociation for the Structural Characterization of Chondroitin Sulfate Glycosaminoglycan Isomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1759-1770	3.5	2
378	Recent developments in the characterization of nucleic acids by liquid chromatography, capillary electrophoresis, ion mobility, and mass spectrometry (2010-2020). <i>Journal of Separation Science</i> , 2021 , 44, 340-372	3.4	7
377	What's all the phos about? Insights into the phosphorylation state of the RNA polymerase II C-terminal domain mass spectrometry. <i>RSC Chemical Biology</i> , 2021 , 2, 1084-1095	3	1
376	Characterization of the T4 gp32-ssDNA complex by native, cross-linking, and ultraviolet photodissociation mass spectrometry. <i>Chemical Science</i> , 2021 , 12, 13764-13776	9.4	0
375	Characterization of Isomers of Lipid A from PAO1 by Liquid Chromatography with Tandem Mass Spectrometry with Higher-Energy Collisional Dissociation and Ultraviolet Photodissociation. <i>Analytical Chemistry</i> , 2021 , 93, 4255-4262	7.8	3
374	Characterization of HLA-A*02:01 MHC Immunopeptide Antigens Enhanced by Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 13134-13142	7.8	1
373	Relative Quantitation of Unsaturated Phosphatidylcholines Using 193 nm Ultraviolet Photodissociation Parallel Reaction Monitoring Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14622-14634	16.4	3
372	Uniting Native Capillary Electrophoresis and Multistage Ultraviolet Photodissociation Mass Spectrometry for Online Separation and Characterization of Ribosomal Proteins and Protein Complexes. <i>Analytical Chemistry</i> , 2020 , 92, 15202-15211	7.8	12
371	Double Bond Characterization of Free Fatty Acids Directly from Biological Tissues by Ultraviolet Photodissociation. <i>Analytical Chemistry</i> , 2020 , 92, 8386-8395	7.8	21
370	Unsaturation Elements and Other Modifications of Phospholipids in Bacteria: New Insight from Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 9146-9155	7.8	11

369	Comprehensive Middle-Down Mass Spectrometry Characterization of an Antibody-Drug Conjugate by Combined Ion Activation Methods. <i>Analytical Chemistry</i> , 2020 , 92, 9790-9798	7.8	7
368	Structural Motifs for CTD Kinase Specificity on RNA Polymerase II during Eukaryotic Transcription. <i>ACS Chemical Biology</i> , 2020 , 15, 2259-2272	4.9	4
367	Precision Mapping of O-Linked -Acetylglucosamine Sites in Proteins Using Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11569-11577	16.4	20
366	Localization of Double Bonds in Bacterial Glycerophospholipids Using 193 nm Ultraviolet Photodissociation in the Negative Mode. <i>Analytical Chemistry</i> , 2020 , 92, 5986-5993	7.8	8
365	Ion Activation Methods for Peptides and Proteins. <i>Analytical Chemistry</i> , 2020 , 92, 227-251	7.8	42
364	Ultraviolet Photodissociation Mass Spectrometry for Analysis of Biological Molecules. <i>Chemical Reviews</i> , 2020 , 120, 3328-3380	68.1	71
363	Enhanced Characterization of Membrane Protein Complexes by Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 899-907	7.8	8
362	Enhanced Sequence Coverage of Large Proteins by Combining Ultraviolet Photodissociation with Proton Transfer Reactions. <i>Analytical Chemistry</i> , 2020 , 92, 1041-1049	7.8	14
361	Defining principles that influence antimicrobial peptide activity against capsulated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27620-27626	11.5	16
360	Interlaboratory Study for Characterizing Monoclonal Antibodies by Top-Down and Middle-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1783-1802	3.5	32
359	Mapping a Conformational Epitope of Hemagglutinin A Using Native Mass Spectrometry and Ultraviolet Photodissociation. <i>Analytical Chemistry</i> , 2020 , 92, 11869-11878	7.8	7
358	Elusive structural changes of New Delhi metallo- β -lactamase revealed by ultraviolet photodissociation mass spectrometry. <i>Chemical Science</i> , 2020 , 11, 8999-9010	9.4	4
357	Structural basis for assembly of non-canonical small subunits into type I-C Cascade. <i>Nature Communications</i> , 2020 , 11, 5931	17.4	3
356	Structural Evaluation of Protein/Metal Complexes via Native Electrospray Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1140-1150	3.5	8
355	Hybrid 193 nm Ultraviolet Photodissociation Mass Spectrometry Localizes Cardiolipin Unsaturations. <i>Analytical Chemistry</i> , 2019 , 91, 12509-12516	7.8	16
354	Mapping RNAPII CTD Phosphorylation Reveals That the Identity and Modification of Seventh Heptad Residues Direct Tyr1 Phosphorylation. <i>ACS Chemical Biology</i> , 2019 , 14, 2264-2275	4.9	5
353	Total Synthesis of an Immunogenic Trehalose Phospholipid from Salmonella Typhi and Elucidation of Its sn-Regiochemistry by Mass Spectrometry. <i>Organic Letters</i> , 2019 , 21, 5126-5131	6.2	1
352	A Lysine-Targeted Affinity Label for Serine- β -lactamase Also Covalently Modifies New Delhi Metallo- β -lactamase-1 (NDM-1). <i>Biochemistry</i> , 2019 , 58, 2834-2843	3.2	16

351	A Focus Honoring Carol Robinson's Election to the National Academy of Sciences. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1-3	3.5	
350	Impact of charge state on 193 nm ultraviolet photodissociation of protein complexes. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 9265-9276	3.6	18
349	Localization of Cyclopropane Modifications in Bacterial Lipids via 213 nm Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 6820-6828	7.8	27
348	Characterization of Antigenic Oligosaccharides from Gram-Negative Bacteria via Activated Electron Photodetachment Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 4672-4679	7.8	5
347	Colistin heteroresistance in <i>Enterobacter cloacae</i> is regulated by PhoPQ-dependent 4-amino-4-deoxy-L-arabinose addition to lipid A. <i>Molecular Microbiology</i> , 2019 , 111, 1604-1616	4.1	24
346	Structural determinants for accurate dephosphorylation of RNA polymerase II by its cognate C-terminal domain (CTD) phosphatase during eukaryotic transcription. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8592-8605	5.4	8
345	Structural Characterization of Glycosaminoglycan Carbohydrates Using Ultraviolet Photodissociation. <i>Analytical Chemistry</i> , 2019 , 91, 6019-6026	7.8	22
344	Top-Down Analysis of Proteins in Low Charge States. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 704-717	3.5	12
343	Investigation of GTP-dependent dimerization of G12X K-Ras variants using ultraviolet photodissociation mass spectrometry. <i>Chemical Science</i> , 2019 , 10, 8025-8034	9.4	16
342	Top-Down Characterization of Lipooligosaccharides from Antibiotic-Resistant Bacteria. <i>Analytical Chemistry</i> , 2019 , 91, 9608-9615	7.8	7
341	Ubiquitin receptors are required for substrate-mediated activation of the proteasome's unfolding ability. <i>Scientific Reports</i> , 2019 , 9, 14506	4.9	12
340	Tyr1 phosphorylation promotes phosphorylation of Ser2 on the C-terminal domain of eukaryotic RNA polymerase II by P-TEFb. <i>ELife</i> , 2019 , 8,	8.9	18
339	Modification of Ser7 of the RNA Polymerase II C-terminal domain (CTD) regulates CTD phosphorylation patterns and transcription. <i>FASEB Journal</i> , 2019 , 33, 458.6	0.9	1
338	Systematic bromodomain protein screens identify homologous recombination and R-loop suppression pathways involved in genome integrity. <i>Genes and Development</i> , 2019 , 33, 1751-1774	12.6	47
337	Footprints of Nanoscale DNA-Silver Cluster Chromophores Activated-Electron Photodetachment Mass Spectrometry. <i>ACS Nano</i> , 2019 , 13, 14070-14079	16.7	8
336	A Focus Honoring Carol Robinson's Election to the National Academy of Sciences. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1-3	3.5	2
335	Extending Proteome Coverage by Combining MS/MS Methods and a Modified Bioinformatics Platform Adapted for Database Searching of Positive and Negative Polarity 193 nm Ultraviolet Photodissociation Mass Spectra. <i>Journal of Proteome Research</i> , 2018 , 17, 1340-1347	5.6	7
334	Directed Evolution of Heterologous tRNAs Leads to Reduced Dependence on Post-transcriptional Modifications. <i>ACS Synthetic Biology</i> , 2018 , 7, 1315-1327	5.7	5

333	UV-POSIT: Web-Based Tools for Rapid and Facile Structural Interpretation of Ultraviolet Photodissociation (UVPD) Mass Spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 1323-1326	3.5	15
332	Top-Down Characterization of Heavily Modified Histones Using 193 nm Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of Proteome Research</i> , 2018 , 17, 1138-1145	5.6	33
331	Expanding the Scope of Cross-Link Identifications by Incorporating Collisional Activated Dissociation and Ultraviolet Photodissociation Methods. <i>Analytical Chemistry</i> , 2018 , 90, 6385-6389	7.8	5
330	Determination of Collision Cross-Sections of Protein Ions in an Orbitrap Mass Analyzer. <i>Analytical Chemistry</i> , 2018 , 90, 5896-5902	7.8	16
329	Probing the Interaction of Aspergillomarasmine A with Metallo- β -Lactamases NDM-1, VIM-2, and IMP-7. <i>ACS Infectious Diseases</i> , 2018 , 4, 135-145	5.5	37
328	Extensive Characterization of Heavily Modified Histone Tails by 193 nm Ultraviolet Photodissociation Mass Spectrometry via a Middle-Down Strategy. <i>Analytical Chemistry</i> , 2018 , 90, 10425-10433 ¹⁶	7.8	16
327	Multistage Ultraviolet Photodissociation Mass Spectrometry To Characterize Single Amino Acid Variants of Human Mitochondrial BCAT2. <i>Analytical Chemistry</i> , 2018 , 90, 9904-9911	7.8	19
326	Desorption Electrospray Ionization Coupled with Ultraviolet Photodissociation for Characterization of Phospholipid Isomers in Tissue Sections. <i>Analytical Chemistry</i> , 2018 , 90, 10100-10104	7.8	47
325	Custom selenoprotein production enabled by laboratory evolution of recoded bacterial strains. <i>Nature Biotechnology</i> , 2018 , 36, 624-631	44.5	21
324	Characterization of Disulfide Linkages in Proteins by 193 nm Ultraviolet Photodissociation (UVPD) Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 8523-8530	7.8	24
323	Mapping phosphate modifications of substituted lipid A via a targeted MS CID/UVPD strategy. <i>Analyst, The</i> , 2018 , 143, 3091-3099	5	8
322	Tracking the Catalytic Cycle of Adenylate Kinase by Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 839-846	7.8	23
321	Structural and Functional Studies of a gem-Dimethylating Methyltransferase from a trans-Acyltransferase Assembly Line. <i>ACS Chemical Biology</i> , 2018 , 13, 3306-3314	4.9	5
320	PepSAVI-MS reveals anticancer and antifungal cycloviolacins in <i>Viola odorata</i> . <i>Phytochemistry</i> , 2018 , 152, 61-70	4	27
319	Desorption Electrospray Ionization Mass Spectrometry Imaging of Proteins Directly from Biological Tissue Sections. <i>Analytical Chemistry</i> , 2018 , 90, 7785-7789	7.8	74
318	Implementation of Fragment Ion Protection (FIP) during Ultraviolet Photodissociation (UVPD) Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 8583-8591	7.8	7
317	Towards mapping electrostatic interactions between Kdo-lipid A and cationic antimicrobial peptides via ultraviolet photodissociation mass spectrometry. <i>Analyst, The</i> , 2018 , 143, 3607-3618	5	2
316	Structural Characterization of Phosphatidylcholines Using 193 nm Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 1516-1522	7.8	79

315	Hydrocarbon-stapled lipopeptides exhibit selective antimicrobial activity. <i>Biopolymers</i> , 2017 , 108, e23006.2	6
314	Comprehensive de Novo Peptide Sequencing from MS/MS Pairs Generated through Complementary Collision Induced Dissociation and 351 nm Ultraviolet Photodissociation. <i>Analytical Chemistry</i> , 2017 , 89, 3747-3753	7.8 11
313	Ultraviolet Photodissociation of Selected Gold Clusters: Ultraefficient Unstapling and Ligand Stripping of Au(pMBA) and Au(pMBA). <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1283-1289	6.4 25
312	ZMYM3 regulates BRCA1 localization at damaged chromatin to promote DNA repair. <i>Genes and Development</i> , 2017 , 31, 260-274	12.6 47
311	High-Throughput Analysis of Intact Human Proteins Using UVPD and HCD on an Orbitrap Mass Spectrometer. <i>Journal of Proteome Research</i> , 2017 , 16, 2072-2079	5.6 57
310	Structural heterogeneity in the intrinsically disordered RNA polymerase II C-terminal domain. <i>Nature Communications</i> , 2017 , 8, 15231	17.4 37
309	Middle-Down 193-nm Ultraviolet Photodissociation for Unambiguous Antibody Identification and its Implications for Immunoproteomic Analysis. <i>Analytical Chemistry</i> , 2017 , 89, 6498-6504	7.8 13
308	Modulation of Protein Fragmentation Through Carbamylation of Primary Amines. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1587-1599	3.5 15
307	Characterization of trimethoprim resistant dihydrofolate reductase mutants by mass spectrometry and inhibition by propargyl-linked antifolates. <i>Chemical Science</i> , 2017 , 8, 4062-4072	9.4 24
306	Improving Performance Metrics of Ultraviolet Photodissociation Mass Spectrometry by Selective Precursor Ejection. <i>Analytical Chemistry</i> , 2017 , 89, 837-846	7.8 6
305	Characterization of Lipid A Variants by Energy-Resolved Mass Spectrometry: Impact of Acyl Chains. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1118-1126	3.5 13
304	Integrating Carbamylation and Ultraviolet Photodissociation Mass Spectrometry for Middle-Down Proteomics. <i>Analytical Chemistry</i> , 2017 , 89, 11772-11778	7.8 6
303	Pinpointing Double Bond and sn-Positions in Glycerophospholipids via Hybrid 193 nm Ultraviolet Photodissociation (UVPD) Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15681-15690	16.4 104
302	Characterization of hydrogen bonding motifs in proteins: hydrogen elimination monitoring by ultraviolet photodissociation mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 20057-20074	2.6 9
301	SITS Derivatization of Peptides to Enhance 266nm Ultraviolet Photodissociation (UVPD). <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1462-1472	3.5 5
300	Mapping the Phosphorylation Pattern of Drosophila melanogaster RNA Polymerase II Carboxyl-Terminal Domain Using Ultraviolet Photodissociation Mass Spectrometry. <i>ACS Chemical Biology</i> , 2017 , 12, 153-162	4.9 18
299	193 nm Ultraviolet Photodissociation Mass Spectrometry for Phosphopeptide Characterization in the Positive and Negative Ion Modes. <i>Journal of Proteome Research</i> , 2016 , 15, 2739-48	5.6 34
298	Integrating Weak Anion Exchange and Ultraviolet Photodissociation Mass Spectrometry with Strategic Modulation of Peptide Basicity for the Enrichment of Sulfopeptides. <i>Analytical Chemistry</i> , 2016 , 88, 11037-11045	7.8 11

297	Cysteine-Selective Peptide Identification: Selenium-Based Chromophore for Selective S-Se Bond Cleavage with 266 nm Ultraviolet Photodissociation. <i>Analytical Chemistry</i> , 2016 , 88, 7222-9	7.8	12
296	β-Methylation follows condensation in the gephyronic acid modular polyketide synthase. <i>Chemical Communications</i> , 2016 , 52, 8822-5	5.8	16
295	UVliPiD: A UVPD-Based Hierarchical Approach for De Novo Characterization of Lipid A Structures. <i>Analytical Chemistry</i> , 2016 , 88, 1812-20	7.8	24
294	Shotgun Analysis of Rough-Type Lipopolysaccharides Using Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 1044-51	7.8	64
293	Ion Activation Methods for Peptides and Proteins. <i>Analytical Chemistry</i> , 2016 , 88, 30-51	7.8	123
292	Integration of Ultraviolet Photodissociation with Proton Transfer Reactions and Ion Parking for Analysis of Intact Proteins. <i>Analytical Chemistry</i> , 2016 , 88, 1008-16	7.8	26
291	UVnovo: A de Novo Sequencing Algorithm Using Single Series of Fragment Ions via Chromophore Tagging and 351 nm Ultraviolet Photodissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 3990-7	7.8	24
290	Characterization of Therapeutic Monoclonal Antibodies at the Subunit-Level using Middle-Down 193 nm Ultraviolet Photodissociation. <i>Analytical Chemistry</i> , 2016 , 88, 4004-13	7.8	47
289	Charge site assignment in native proteins by ultraviolet photodissociation (UVPD) mass spectrometry. <i>Analyst, The</i> , 2016 , 141, 166-76	5	37
288	Ultraviolet Photodissociation of Native Proteins Following Proton Transfer Reactions in the Gas Phase. <i>Analytical Chemistry</i> , 2016 , 88, 12354-12362	7.8	10
287	Characterization of the Cysteine Content in Proteins Utilizing Cysteine Selenylation with 266nm Ultraviolet Photodissociation (UVPD). <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1344-50	3.5	7
286	Exploitation of the Ornithine Effect Enhances Characterization of Stapled and Cyclic Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 856-63	3.5	10
285	Statistical Examination of the a and a + 1 Fragment Ions from 193nm Ultraviolet Photodissociation Reveals Local Hydrogen Bonding Interactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1443-53	3.5	11
284	Click and chemically triggered declick reactions through reversible amine and thiol coupling via a conjugate acceptor. <i>Nature Chemistry</i> , 2016 , 8, 968-973	17.6	66
283	Ultraviolet Photodissociation Induced by Light-Emitting Diodes in a Planar Ion Trap. <i>Angewandte Chemie</i> , 2016 , 128, 12605-12609	3.6	1
282	Ultraviolet Photodissociation Induced by Light-Emitting Diodes in a Planar Ion Trap. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12417-21	16.4	3
281	Impact of G12 Mutations on the Structure of K-Ras Probed by Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13187-13196	16.4	26
280	193 nm Ultraviolet Photodissociation Mass Spectrometry of Tetrameric Protein Complexes Provides Insight into Quaternary and Secondary Protein Topology. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10849-59	16.4	50

279	Modulation of Phosphopeptide Fragmentation via Dual Spray Ion/Ion Reactions Using a Sulfonate-Incorporating Reagent. <i>Analytical Chemistry</i> , 2016 , 88, 8158-65	7.8	6
278	Characterization of Intra- and Intermolecular Protein Crosslinking by Top Down Ultraviolet Photodissociation Mass Spectrometry. <i>ChemistrySelect</i> , 2016 , 1, 590-593	1.8	7
277	Screen identifies bromodomain protein ZMYND8 in chromatin recognition of transcription-associated DNA damage that promotes homologous recombination. <i>Genes and Development</i> , 2015 , 29, 197-211	12.6	153
276	Selective cleavage upon ETD of peptides containing disulfide or nitrogen-nitrogen bonds. <i>International Journal of Mass Spectrometry</i> , 2015 , 378, 127-133	1.9	4
275	The rice immune receptor XA21 recognizes a tyrosine-sulfated protein from a Gram-negative bacterium. <i>Science Advances</i> , 2015 , 1, e1500245	14.3	151
274	Structural Characterization of Dihydrofolate Reductase Complexes by Top-Down Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9128-35	16.4	54
273	Impact of Protease on Ultraviolet Photodissociation Mass Spectrometry for Bottom-up Proteomics. <i>Journal of Proteome Research</i> , 2015 , 14, 2626-32	5.6	21
272	Comparison of Ultraviolet Photodissociation and Collision Induced Dissociation of Adrenocorticotrophic Hormone Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1570-9	3.5	12
271	Reinforcing Lipid A Acylation on the Cell Surface of <i>Acinetobacter baumannii</i> Promotes Cationic Antimicrobial Peptide Resistance and Desiccation Survival. <i>MBio</i> , 2015 , 6, e00478-15	7.8	93
270	Comparison of Glycopeptide Fragmentation by Collision Induced Dissociation and Ultraviolet Photodissociation. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 385-392	1.9	30
269	Ultraviolet photodissociation of protonated, fixed charge, and charge-reduced peptides. <i>International Journal of Mass Spectrometry</i> , 2015 , 390, 81-90	1.9	10
268	Structural characterization of holo- and apo-myoglobin in the gas phase by ultraviolet photodissociation mass spectrometry. <i>Chemical Science</i> , 2015 , 6, 1324-1333	9.4	60
267	High-throughput bioconjugation for enhanced 193 nm photodissociation via droplet phase initiated ion/ion chemistry using a front-end dual spray reactor. <i>Analytical Chemistry</i> , 2015 , 87, 9396-402	7.8	13
266	Extracellular zinc induces phosphoethanolamine addition to <i>Pseudomonas aeruginosa</i> lipid A via the ColRS two-component system. <i>Molecular Microbiology</i> , 2015 , 97, 166-78	4.1	51
265	A New Covalent Inhibitor of Class C β -Lactamases Reveals Extended Active Site Specificity. <i>Biochemistry</i> , 2015 , 54, 7375-84	3.2	7
264	Evolving tRNA(Sec) for efficient canonical incorporation of selenocysteine. <i>Journal of the American Chemical Society</i> , 2015 , 137, 46-9	16.4	43
263	Top-down 193-nm ultraviolet photodissociation mass spectrometry for simultaneous determination of polyubiquitin chain length and topology. <i>Analytical Chemistry</i> , 2015 , 87, 1812-20	7.8	33
262	The first pilot project of the consortium for top-down proteomics: a status report. <i>Proteomics</i> , 2014 , 14, 1130-40	4.8	73

261	Direct identification of tyrosine sulfation by using ultraviolet photodissociation mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1461-71	3.5	38
260	Directed evolution of genetic parts and circuits by compartmentalized partnered replication. <i>Nature Biotechnology</i> , 2014 , 32, 97-101	44.5	103
259	Photodissociation mass spectrometry: new tools for characterization of biological molecules. <i>Chemical Society Reviews</i> , 2014 , 43, 2757-83	58.5	221
258	Hybridizing ultraviolet photodissociation with electron transfer dissociation for intact protein characterization. <i>Analytical Chemistry</i> , 2014 , 86, 10970-7	7.8	34
257	Top-Down Strategies for the Structural Elucidation of Intact Gram-negative Bacterial Endotoxins. <i>Chemical Science</i> , 2014 , 5, 4291-4301	9.4	19
256	Ultraviolet photodissociation for characterization of whole proteins on a chromatographic time scale. <i>Analytical Chemistry</i> , 2014 , 86, 2185-92	7.8	69
255	Antimicrobial peptide resistance of <i>Vibrio cholerae</i> results from an LPS modification pathway related to nonribosomal peptide synthetases. <i>ACS Chemical Biology</i> , 2014 , 9, 2382-92	4.9	41
254	193 nm ultraviolet photodissociation mass spectrometry for the structural elucidation of lipid A compounds in complex mixtures. <i>Analytical Chemistry</i> , 2014 , 86, 2138-45	7.8	45
253	Characterization of native protein complexes using ultraviolet photodissociation mass spectrometry. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12920-8	16.4	83
252	Streamlining bottom-up protein identification based on selective ultraviolet photodissociation (UVPD) of chromophore-tagged histidine- and tyrosine-containing peptides. <i>Analytical Chemistry</i> , 2014 , 86, 6237-44	7.8	14
251	Probing the unfolding of myoglobin and domain C of PARP-1 with covalent labeling and top-down ultraviolet photodissociation mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 2534-42	7.8	25
250	Mechanically Modulating the Photophysical Properties of Fluorescent Protein Biocomposites for Ratio- and Intensiometric Sensors. <i>Angewandte Chemie</i> , 2014 , 126, 5188-5192	3.6	4
249	The molecular mechanism of eukaryotic elongation factor 2 kinase activation. <i>Journal of Biological Chemistry</i> , 2014 , 289, 23901-16	5.4	24
248	Improvement of shotgun proteomics in the negative mode by carbamylation of peptides and ultraviolet photodissociation mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 12285-90	7.8	23
247	Covalent inhibition of New Delhi metallo- β -lactamase-1 (NDM-1) by cefaclor. <i>ChemBioChem</i> , 2014 , 15, 2541-8	3.8	34
246	Characterization of green fluorescent proteins by 193 nm ultraviolet photodissociation mass spectrometry. <i>Proteomics</i> , 2014 , 14, 1165-73	4.8	23
245	Identification of a broad family of lipid A late acyltransferases with non-canonical substrate specificity. <i>Molecular Microbiology</i> , 2014 , 91, 887-99	4.1	16
244	Characterization of <i>Pseudomonas aeruginosa</i> LpxT reveals dual positional lipid A kinase activity and co-ordinated control of outer membrane modification. <i>Molecular Microbiology</i> , 2014 , 94, 728-41	4.1	28

243	Differentiation and distributions of DNA/cisplatin crosslinks by liquid chromatography-electrospray ionization-infrared multiphoton dissociation mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 71-9	3.5	8
242	Ligand Binding to Nucleic Acids. <i>Physical Chemistry in Action</i> , 2014 , 225-252		2
241	Comparison of MS/MS methods for characterization of DNA/cisplatin adducts. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 265-73	3.5	15
240	An altered zinc-binding site confers resistance to a covalent inactivator of New Delhi metallo-beta-lactamase-1 (NDM-1) discovered by high-throughput screening. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 3138-46	3.4	31
239	Evaluating the conformation and binding interface of cap-binding proteins and complexes via ultraviolet photodissociation mass spectrometry. <i>Journal of Proteome Research</i> , 2013 , 12, 5867-77	5.6	9
238	Structural characterization of gangliosides and glycolipids via ultraviolet photodissociation mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 10399-407	7.8	44
237	Extending the isotopically resolved mass range of Orbitrap mass spectrometers. <i>Analytical Chemistry</i> , 2013 , 85, 8313-8	7.8	21
236	De novo sequencing of peptides using selective 351 nm ultraviolet photodissociation mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 9832-8	7.8	11
235	Tandem mass spectrometry for characterization of covalent adducts of DNA with anticancer therapeutics. <i>Mass Spectrometry Reviews</i> , 2013 , 32, 247-66	11	22
234	Identification of flavone glucuronide isomers by metal complexation and tandem mass spectrometry: regioselectivity of uridine 5'-diphosphate-glucuronosyltransferase isozymes in the biotransformation of flavones. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 1457-63	5.7	18
233	Selective 351 nm photodissociation of cysteine-containing peptides for discrimination of antigen-binding regions of IgG fragments in bottom-up liquid chromatography-tandem mass spectrometry workflows. <i>Analytical Chemistry</i> , 2013 , 85, 5577-85	7.8	21
232	Complete protein characterization using top-down mass spectrometry and ultraviolet photodissociation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12646-51	16.4	255
231	Regiospecificity of human UDP-glucuronosyltransferase isoforms in chalcone and flavanone glucuronidation determined by metal complexation and tandem mass spectrometry. <i>Journal of Natural Products</i> , 2013 , 76, 1121-32	4.9	7
230	The outer membrane of Gram-negative bacteria: lipid A isolation and characterization. <i>Methods in Molecular Biology</i> , 2013 , 966, 239-258	1.4	31
229	novel modifications on C-terminal domain of RNA polymerase II can fine-tune the phosphatase activity of Ssu72. <i>ACS Chemical Biology</i> , 2013 , 8, 2042-52	4.9	23
228	Concurrent automated sequencing of the glycan and peptide portions of O-linked glycopeptide anions by ultraviolet photodissociation mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 9253-61	7.8	56
227	Chromogenic chemical probe for protein structural characterization via ultraviolet photodissociation mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 7391-7	7.8	19
226	Activated ion negative electron transfer dissociation of multiply charged peptide anions. <i>Analytical Chemistry</i> , 2013 , 85, 4721-8	7.8	10

225	Isolation and chemical characterization of lipid A from gram-negative bacteria. <i>Journal of Visualized Experiments</i> , 2013 , e50623	1.6	36
224	High-throughput database search and large-scale negative polarity liquid chromatography-tandem mass spectrometry with ultraviolet photodissociation for complex proteomic samples. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2604-14	7.6	28
223	EptC of <i>Campylobacter jejuni</i> mediates phenotypes involved in host interactions and virulence. <i>Infection and Immunity</i> , 2013 , 81, 430-40	3.7	49
222	Systematic comparison of ultraviolet photodissociation and electron transfer dissociation for peptide anion characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 1707-15 ^{3.5}	3.5	27
221	Enhanced electron transfer dissociation of peptides modified at C-terminus with fixed charges. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 1991-2000	3.5	21
220	Tyrosine sulfation in a Gram-negative bacterium. <i>Nature Communications</i> , 2012 , 3, 1153	17.4	52
219	193 nm ultraviolet photodissociation of imidazolinylated Lys-N peptides for de novo sequencing. <i>Analytical Chemistry</i> , 2012 , 84, 2433-9	7.8	14
218	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, 15624-7	16.4	8
217	Charge-site-dependent dissociation of hydrogen-rich radical peptide cations upon vacuum UV photoexcitation. <i>Chemistry - A European Journal</i> , 2012 , 18, 5374-83	4.8	19
216	Characterization of unique modification of flagellar rod protein FlgG by <i>Campylobacter jejuni</i> lipid A phosphoethanolamine transferase, linking bacterial locomotion and antimicrobial peptide resistance. <i>Journal of Biological Chemistry</i> , 2012 , 287, 3326-36	5.4	39
215	Amino acid addition to <i>Vibrio cholerae</i> LPS establishes a link between surface remodeling in gram-positive and gram-negative bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8722-7	11.5	110
214	Mapping protein surface accessibility via an electron transfer dissociation selectively cleavable hydrazone probe. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, O111.015826	7.6	10
213	Elucidation of a novel <i>Vibrio cholerae</i> lipid A secondary hydroxy-acyltransferase and its role in innate immune recognition. <i>Molecular Microbiology</i> , 2011 , 81, 1313-29	4.1	57
212	Analysis of protein digests by transmission-mode desorption electrospray ionization mass spectrometry with ultraviolet photodissociation. <i>International Journal of Mass Spectrometry</i> , 2011 , 308, 203-208	1.9	7
211	Regioselectivity of human UDP-glucuronosyltransferase isozymes in flavonoid biotransformation by metal complexation and tandem mass spectrometry. <i>Biochemical Pharmacology</i> , 2011 , 82, 1764-70	6	7
210	Ultraviolet photodissociation of carboxylate-derivatized peptides in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 49-56	3.5	7
209	Shedding light on the frontier of photodissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 197-206	3.5	38
208	Implementing photodissociation in an Orbitrap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1105-8	3.5	30

207	193-nm photodissociation of singly and multiply charged peptide anions for acidic proteome characterization. <i>Proteomics</i> , 2011 , 11, 1329-34	4.8	64
206	Ultraviolet photodissociation of chromophore-labeled oligosaccharides via reductive amination and hydrazide conjugation. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 359-66	2.2	14
205	IR and UV photodissociation as analytical tools for characterizing lipid A structures. <i>Analytical Chemistry</i> , 2011 , 83, 5107-13	7.8	42
204	193 nm ultraviolet photodissociation of deprotonated sialylated oligosaccharides. <i>Analytical Chemistry</i> , 2011 , 83, 8192-200	7.8	52
203	Hybrid activation methods for elucidating nucleic acid modifications. <i>Analytical Chemistry</i> , 2011 , 83, 303-18	7.8	36
202	Investigation of the Reactivity of Oligodeoxynucleotides with Glyoxal and KMnO(4) Chemical Probes by Electrospray Ionization Mass Spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011 , 304, 115-123	1.9	3
201	Evaluation of DNA/Ligand interactions by electrospray ionization mass spectrometry. <i>Annual Review of Analytical Chemistry</i> , 2010 , 3, 67-87	12.5	40
200	Rapid and selective screening for sulfhydryl analytes in plasma and urine using surface-enhanced transmission mode desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 4130-9	7.8	21
199	Characterization of aziridinylbenzoquinone DNA cross-links by liquid chromatography-infrared multiphoton dissociation-mass spectrometry. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1097-104	4	8
198	Ultrafast ultraviolet photodissociation at 193 nm and its applicability to proteomic workflows. <i>Journal of Proteome Research</i> , 2010 , 9, 4205-14	5.6	94
197	Surface-enhanced transmission mode desorption electrospray ionization: increasing the specificity of ambient ionization mass spectrometric analyses. <i>Analytical Chemistry</i> , 2010 , 82, 16-8	7.8	24
196	Characterization of oligodeoxynucleotides and modifications by 193 nm photodissociation and electron photodetachment dissociation. <i>Analytical Chemistry</i> , 2010 , 82, 7218-26	7.8	34
195	Enhancement of ultraviolet photodissociation efficiencies through attachment of aromatic chromophores. <i>Analytical Chemistry</i> , 2010 , 82, 9441-6	7.8	27
194	Preferential cleavage of N-N hydrazone bonds for sequencing bis-arylhydrazone conjugated peptides by electron transfer dissociation. <i>Analytical Chemistry</i> , 2010 , 82, 5751-9	7.8	18
193	Transmission-mode direct analysis in real time and desorption electrospray ionization mass spectrometry of insecticide-treated bednets for malaria control. <i>Analyst, The</i> , 2010 , 135, 712-9	5	68
192	Rapid characterization of cross-links, mono-adducts, and non-covalent binding of psoralens to deoxyoligonucleotides by LC-UV/ESI-MS and IRMPD mass spectrometry. <i>Analyst, The</i> , 2010 , 135, 943-52	5	17
191	Increased sequence coverage of thymine-rich oligodeoxynucleotides by infrared multiphoton dissociation compared to collision-induced dissociation. <i>Journal of Mass Spectrometry</i> , 2010 , 45, 1098-103	3.2	6
190	Infrared multiphoton dissociation of small-interfering RNA anions and cations. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 580-91	3.5	21

189	Examination of the effect of the annealing cation on higher order structures containing guanine or isoguanine repeats. <i>Chemistry - A European Journal</i> , 2009 , 15, 11244-55	4.8	22
188	Infrared multiphoton dissociation in quadrupole ion traps. <i>Mass Spectrometry Reviews</i> , 2009 , 28, 390-424	11	118
187	Infrared photoactivation reduces peptide folding and hydrogen-atom migration following ETD tandem mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8526-8	16.4	77
186	Report of the 24th Asilomar conference on mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, R1-R3	3.5	
185	Improved infrared multiphoton dissociation of peptides through N-terminal phosphonite derivatization. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 377-84	3.5	16
184	The influence of material and mesh characteristics on transmission mode desorption electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 584-92	3.5	30
183	Reduction of chemical noise in electrospray ionization mass spectrometry by supplemental IR activation. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 2206-10	3.5	3
182	Gas-Phase Hydrogen/Deuterium Exchange of Dinucleotides and 5'-Monophosphate Dinucleotides in a Quadrupole Ion Trap. <i>International Journal of Mass Spectrometry</i> , 2009 , 287, 87-95	1.9	3
181	Electron Transfer Dissociation of Oligonucleotide Cations. <i>International Journal of Mass Spectrometry</i> , 2009 , 283, 85-93	1.9	22
180	Absorption, Conjugation and Efflux of the Flavonoids, Kaempferol and Galangin, Using the Intestinal CACO-2/TC7 Cell Model. <i>Journal of Functional Foods</i> , 2009 , 1, 74-87	5.1	58
179	Comparison of infrared multiphoton dissociation and collision-induced dissociation of supercharged peptides in ion traps. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 349-358	3.5	39
178	Simplifying fragmentation patterns of multiply charged peptides by N-terminal derivatization and electron transfer collision activated dissociation. <i>Analytical Chemistry</i> , 2009 , 81, 3645-53	7.8	42
177	Ultraviolet photodissociation mass spectrometry of bis-aryl hydrazone conjugated peptides. <i>Analytical Chemistry</i> , 2009 , 81, 4864-72	7.8	24
176	Top-down protein fragmentation by infrared multiphoton dissociation in a dual pressure linear ion trap. <i>Analytical Chemistry</i> , 2009 , 81, 8677-86	7.8	27
175	ESI-MS, DFT, and synthetic studies on the H(2)-mediated coupling of acetylene: insertion of C=X bonds into rhodacyclopentadienes and Brüsted acid cocatalyzed hydrogenolysis of organorhodium intermediates. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16054-62	16.4	75
174	Enhanced electron transfer dissociation through fixed charge derivatization of cysteines. <i>Analytical Chemistry</i> , 2009 , 81, 7876-84	7.8	28
173	Infrared multiphoton dissociation of peptide cations in a dual pressure linear ion trap mass spectrometer. <i>Analytical Chemistry</i> , 2009 , 81, 8109-18	7.8	37
172	Interactions of sulfur-containing acridine ligands with DNA by ESI-MS. <i>Analyst, The</i> , 2009 , 134, 2058-66	5	7

171	Chromogenic cross-linker for the characterization of protein structure by infrared multiphoton dissociation mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 4807-19	7.8	73
170	Ultraviolet photodissociation at 355 nm of fluorescently labeled oligosaccharides. <i>Analytical Chemistry</i> , 2008 , 80, 5186-96	7.8	45
169	Photodissociation of non-covalent peptide-crown ether complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 257-60	3.5	31
168	Impact of proline and aspartic acid residues on the dissociation of intermolecularly crosslinked peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 344-57	3.5	18
167	An investigation of the homolytic saccharide cleavage of deprotonated flavonol 3-O-glycosides in a quadrupole ion trap mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2008 , 43, 1045-52	2.2	17
166	Analysis of flavonoids: tandem mass spectrometry, computational methods, and NMR. <i>Journal of Mass Spectrometry</i> , 2008 , 43, 1581-617	2.2	64
165	Evaluation of metal-mediated DNA binding of benzoxazole ligands by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 209-18	3.5	14
164	Transmission mode desorption electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 1612-20	3.5	83
163	ESI-MS characterization of a novel pyrrole-inosine nucleoside that interacts with guanine bases. <i>Analytica Chimica Acta</i> , 2008 , 627, 129-35	6.6	18
162	MS/MS simplification by 355 nm ultraviolet photodissociation of chromophore-derivatized peptides in a quadrupole ion trap. <i>Analytical Chemistry</i> , 2007 , 79, 7883-92	7.8	56
161	X-ray crystallographic and mass spectrometric probing of the conformational and ionophoric properties of stereoisomeric hexatetrahydrofuranylhexane segments. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9088-101	4.2	2
160	Infrared multiphoton dissociation of duplex DNA/drug complexes in a quadrupole ion trap. <i>Analytical Chemistry</i> , 2007 , 79, 2067-77	7.8	32
159	Probing ligand binding to duplex DNA using KMnO ₄ reactions and electrospray ionization tandem mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 4636-47	7.8	22
158	Synthesis of, and structural assignments to the stereoisomers of bis (2,2')- and tris (2,2',2'')-tetrahydrofurans: conformational features and ionic binding capacities of these gateway polycyclic networks. <i>Journal of Organic Chemistry</i> , 2007 , 72, 6215-23	4.2	8
157	Evaluation of relative DNA binding affinities of anthrapyrazoles by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 681-8	2.2	19
156	Investigation of the gas-phase hydrogen/deuterium exchange behavior of aromatic dicarboxylic acids in a quadrupole ion trap. <i>International Journal of Mass Spectrometry</i> , 2007 , 267, 98-108	1.9	11
155	Screening of threading bis-intercalators binding to duplex DNA by electrospray ionization tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 311-21	3.5	29
154	Tunable transition metal-ligand complexation for enhanced elucidation of flavonoid diglycosides by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 422-31	3.5	25

153	Gas-phase hydrogen/deuterium exchange of 5'- and 3'-mononucleotides in a quadrupole ion trap: exploring the role of conformation and system energy. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 724-36	3.5	17
152	Gas-phase stability of G-quadruplex DNA determined by electrospray ionization tandem mass spectrometry and molecular dynamics simulations. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1760-73	3.5	30
151	Isomeric differentiation of green tea catechins using gas-phase hydrogen/deuterium exchange reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1749-59	3.5	15
150	Sequencing and characterization of oligosaccharides using infrared multiphoton dissociation and boronic acid derivatization in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 2094-106	3.5	26
149	Evaluation of binding of perylene diimide and benzannulated perylene diimide ligands to DNA by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 593-604	3.5	76
148	Investigation of silver binding to polyamidoamine (PAMAM) dendrimers by ESI tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 676-84	3.5	17
147	Identification of isomeric flavonoid glucuronides in urine and plasma by metal complexation and LC-ESI-MS/MS. <i>Journal of Mass Spectrometry</i> , 2006 , 41, 911-20	2.2	46
146	Characterization of Flavonoids by Tandem Mass Spectrometry and Metal Complexation Strategies. <i>ACS Symposium Series</i> , 2006 , 52-69	0.4	2
145	Methods for the Separation of Limonoids from Citrus. <i>ACS Symposium Series</i> , 2006 , 34-51	0.4	11
144	Amplification of infrared multiphoton dissociation efficiency in a quadrupole ion trap using IR-active ligands. <i>Analytical Chemistry</i> , 2006 , 78, 8512-7	7.8	21
143	Synthesis and characterization of insulin-transferrin conjugates. <i>Bioconjugate Chemistry</i> , 2006 , 17, 1376-84	3.5	46
142	Infrared multiphoton dissociation for enhanced de novo sequence interpretation of N-terminal sulfonated peptides in a quadrupole ion trap. <i>Analytical Chemistry</i> , 2006 , 78, 6855-62	7.8	39
141	Identification of the adduct between a 4-Aza-3-ene-1,6-diyne and DNA using electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 1342-1352	3.5	10
140	Investigating bidentate and tridentate carbamoylmethylphosphine oxide ligand interactions with rare-Earth elements using electrospray ionization quadrupole ion trap mass spectrometry. <i>Inorganic Chemistry</i> , 2005 , 44, 6415-24	5.1	27
139	Electrochemical, spectroscopic, and mass spectrometric studies of the interaction of silver species with polyamidoamine dendrimers. <i>Analytical Chemistry</i> , 2005 , 77, 4413-22	7.8	11
138	Differentiation of phosphorylated and unphosphorylated peptides by high-performance liquid chromatography-electrospray ionization-infrared multiphoton dissociation in a quadrupole ion trap. <i>Analytical Chemistry</i> , 2005 , 77, 5726-34	7.8	50
137	Silver complexation and tandem mass spectrometry for differentiation of isomeric flavonoid diglycosides. <i>Analytical Chemistry</i> , 2005 , 77, 1761-70	7.8	56
136	LC-MSn methods for saccharide characterization of monoglycosyl flavonoids using postcolumn manganese complexation. <i>Analytical Chemistry</i> , 2005 , 77, 1883-90	7.8	31

135	Enantioselective reductive cyclization of 1,6-enynes via rhodium-catalyzed asymmetric hydrogenation: C-C bond formation precedes hydrogen activation. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6174-5	16.4	89
134	Charge state-dependent fragmentation of oligonucleotide/metal complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 28-37	3.5	15
133	Threshold dissociation and molecular modeling of transition metal complexes of flavonoids. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 139-51	3.5	45
132	Electrospray ionization mass spectrometric detection of self-assembly of a crown ether complex directed by π -stacking interactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1162-1171	3.5	33
131	Is potential coordination of alkali metal ions to stereodefined polyoxygenated cyclohexanes an adequate driving force for fostering the adoption of axial conformers?. <i>Tetrahedron</i> , 2005 , 61, 231-240	2.4	11
130	Partitioning model for competitive host-guest complexation in ESI-MS. <i>Analytical Chemistry</i> , 2005 , 77, 2512-23	7.8	24
129	Characterization of flavonoids by aluminum complexation and collisionally activated dissociation. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 350-63	2.2	40
128	Electrospray ionization of nucleic acid aptamer/small molecule complexes for screening aptamer selectivity. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 1327-37	2.2	24
127	Influence of initial charge state on fragmentation patterns for noncovalent drug/DNA duplex complexes. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 1362-71	2.2	32
126	Self-assembling Dimeric and Trimeric Aggregates Based on Solvophobic and Charge-pairing Interactions. <i>Supramolecular Chemistry</i> , 2004 , 16, 521-528	1.8	3
125	Isolation of Structurally Similar Citrus Flavonoids by Flash Chromatography. <i>Analytical Letters</i> , 2004 , 37, 3005-3016	2.2	18
124	Comparison of sustained off-resonance irradiation collisionally activated dissociation and multipole storage-assisted dissociation for top-down protein analysis. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 402-411	2.1	7
123	MS(n) characterization of protonated cyclic peptides and metal complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1039-54	3.5	46
122	Determination of the glycosylation site of flavonoid monoglucosides by metal complexation and tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1287-99	3.5	81
121	Evaluation of complexes of DNA duplexes and novel benzoxazoles or benzimidazoles by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1593-603	3.5	42
120	Infrared multiphoton dissociation (IRMPD) and collisionally activated dissociation of peptides in a quadrupole ion trap with selective IRMPD of phosphopeptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1581-92	3.5	80
119	Collisionally activated dissociation and infrared multiphoton dissociation of oligonucleotides in a quadrupole ion trap. <i>Analytical Biochemistry</i> , 2004 , 326, 200-10	3.1	43
118	Screening flavonoid metabolites of naringin and narirutin in urine after human consumption of grapefruit juice by LC-MS and LC-MS/MS. <i>Analyst</i> , 2004 , 129, 1227-33	5	36

117	Gas-phase hydrogen/deuterium exchange and conformations of deprotonated flavonoids and gas-phase acidities of flavonoids. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5906-19	16.4	58
116	Enhancing Hoogsteen interactions: a pyrrole-containing purine nucleoside that competes with guanosine self-assembly. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11460-1	16.4	21
115	Synthesis and Electrospray Ionization Mass Spectrometric Evaluation of the Metal Cation Complexation Behavior of Cage-annulated Azacrown Ethers. <i>Heterocycles</i> , 2004 , 62, 279	0.8	4
114	Novel guanosine-cytidine dinucleoside that self-assembles into a trimeric supramolecule. <i>Organic Letters</i> , 2003 , 5, 2627-30	6.2	51
113	Structural characterization and isomer differentiation of chalcones by electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003 , 38, 555-72	2.2	64
112	Differentiation of flavonoid glycoside isomers by using metal complexation and electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 1437-53	3.5	80
111	Threshold dissociation energies of protonated amine/polyether complexes in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 383-92	3.5	43
110	Review of the 15th Sanibel Conference on mass spectrometry: Ion activation in chemistry and biochemistry: Mechanisms, dynamics and applications. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 680-681	3.5	
109	Evaluation of noncovalent interactions between peptides and polyether compounds via energy-variable collisionally activated dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 1148-57	3.5	25
108	Evaluation of alkali and alkaline earth metal cation selectivities of lariat ether amides by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 1215-28	3.5	13
107	An equilibrium partitioning model for predicting response to host-guest complexation in electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 1828-36	7.8	44
106	Structural characterization and detection of kale flavonoids by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 6401-7	7.8	47
105	Complexation of silver and co-recovered metals with novel aza-crown ether macrocycles by electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2003 , 128, 1352-9	5	24
104	Characterization of erythromycin analogs by collisional activated dissociation and infrared multiphoton dissociation in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 630-49	3.5	43
103	Metal complexation of thiacycrown ether macrocycles by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2002 , 74, 4423-33	7.8	47
102	Investigation of quadruplex oligonucleotide-drug interactions by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2002 , 74, 2029-33	7.8	105
101	KnowItAll Analytical System Bio-Rad Laboratories, Sadtler Division, 3316 Spring Garden St., Philadelphia, Pennsylvania 19104. www.sadtler.com.. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1555-1556	16.4	1
100	Detection of the isoflavone aglycones genistein and daidzein in urine using solid-phase microextraction-high-performance liquid chromatography-electrospray ionization mass spectrometry. <i>Biomedical Applications</i> , 2001 , 759, 33-41		32

99	Gas phase versus solution chemistry: on the reversal of regiochemistry of methylation of sp ² - and sp ³ -nitrogens. <i>Tetrahedron Letters</i> , 2001 , 42, 6949-6952	2	14
98	Determination of alkali metal binding selectivities of caged crown ligands by electrospray ionization quadrupole ion trap mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2001 , 204, 133-142	1.9	31
97	Determination of alkali metal cation selectivities of dibenzo-16-crown-5 lariat ethers with ether pendant groups by using electrospray ionization quadrupole ion trap mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2001 , 212, 389-401	1.9	22
96	Structural characterization of flavonoid glycosides by collisionally activated dissociation of metal complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 537-49	3.5	61
95	Synthesis, alkali metal picrate extraction, and alkali metal cation binding selectivities of some new cage-annulated polyoxamacrocyclic crown ethers. <i>Journal of Heterocyclic Chemistry</i> , 2001 , 38, 1361-1368	1.9	15
94	Analysis of fire ant pesticides in water by solid-phase microextraction and gas chromatography/mass spectrometry or high-performance liquid chromatography/mass spectrometry. <i>Analytica Chimica Acta</i> , 2001 , 436, 11-20	6.6	43
93	Relative binding energies of gas-phase pyridyl ligand/metal complexes by energy-variable collisionally activated dissociation in a quadrupole ion trap. <i>Inorganic Chemistry</i> , 2001 , 40, 5393-400	5.1	85
92	Screening metal binding selectivities of macrocycle mixtures by HPLC-ESI-MS and postcolumn reactions. <i>Analytical Chemistry</i> , 2001 , 73, 384-90	7.8	18
91	Tandem infrared multiphoton dissociation and collisionally activated dissociation techniques in a quadrupole ion trap. <i>Analytical Chemistry</i> , 2001 , 73, 1270-6	7.8	26
90	Constraining of small-ring cyclic ether triads by stereodefined spiroannulation to an inositol orthoformate platform. Solution- and gas-phase alkali metal binding affinities for three- to five-membered ring structural combinations. <i>Journal of Organic Chemistry</i> , 2001 , 66, 8629-39	4.2	17
89	Determination of Gamma-hydroxybutyrate in Water and Human Urine by Solid Phase Microextraction-Gas Chromatography/Quadrupole Ion Trap Spectrometry. <i>Journal of Forensic Sciences</i> , 2001 , 46, 15023J	1.8	26
88	Analysis of protonated and alkali metal cationized aminoglycoside antibiotics by collision-activated dissociation and infrared multi-photon dissociation in the quadrupole ion trap. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 1011-24	2.2	35
87	Probing molecular recognition by mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2000 , 200, 57-69	1.9	117
86	Gas-phase H/D exchange reactions of polyamine complexes: (M + H) ⁺ , (M + alkali metal) ⁺ , and (M + 2H) ²⁺ . <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 711-21	3.5	28
85	Evaluation of alkali metal binding selectivities of caged aza-crown ether ligands by microelectrospray ionization/quadrupole ion trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 884-91	3.5	30
84	A method for the determination of binding constants by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 5411-6	7.8	136
83	Enhanced detection of flavonoids by metal complexation and electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 5898-906	7.8	100
82	Characterization of ionophore-metal complexes by infrared multiphoton photodissociation and collision activated dissociation in a quadrupole ion trap mass spectrometer. <i>Analyst, The</i> , 2000 , 125, 641-650	5.5	29

81	Synthesis and Alkali Metal Ion Binding Properties of Two Rigid Stereochemical Isomers of Calix[6]arene Bis-crown-4. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1486-1491	16.4	80
80	Evaluation of binding selectivities of caged crown ligands toward heavy metals by electrospray ionization/quadrupole ion trap mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 2433-45	7.8	52
79	Determination of alkali metal ion binding selectivities of calixarenes by matrix-assisted laser desorption ionization and electrospray ionization in a quadrupole ion trap. <i>International Journal of Mass Spectrometry</i> , 1999 , 193, 197-204	1.9	44
78	Dissociation of doubly charged transition metal/polyether/pyridyl ligand complexes in a quadrupole ion trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 126-135	3.5	25
77	Sites of reaction of pilocarpine. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 209-16	3.5	5
76	Study of diketone/metal ion complexes by electrospray ionization mass spectrometry: Influence of Keto-Enol tautomerism and chelation. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 402-413	3.5	39
75	Determination of Binding Selectivities by Electrospray Ionization Mass Spectrometry. <i>Structural Chemistry</i> , 1999 , 10, 213-220	1.8	36
74	Post-column metal complexation of quinolone antibiotics in a quadrupole ion trap. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 1381-9	2.2	17
73	Formation of doubly charged transition metal/polyether/pyridyl mixed-ligand complexes by electrospray ionization. <i>Journal of Mass Spectrometry</i> , 1999 , 34, 137-146	2.2	27
72	Investigation of Alkali Metal Cation Selectivities of Lariat Ethers by Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1999 , 71, 5493-5500	7.8	57
71	Solid-Phase Extraction in Conjunction with Matrix-Assisted Laser Desorption Ionization/Quadrupole Ion Trap Mass Spectrometry for the Determination of Benzoylcegonine in Urine. <i>Applied Spectroscopy</i> , 1999 , 53, 1361-1366	3.1	5
70	Aqueous Phase Hexylchloroformate Derivatization and Solid Phase Microextraction: Determination of Benzoylcegonine in Urine by Gas Chromatography-Quadrupole Ion Trap Mass Spectrometry. <i>Journal of Forensic Sciences</i> , 1999 , 44, 14504J	1.8	16
69	Determination of benzophenone-3 and metabolites in water and human urine by solid-phase microextraction and quadrupole ion trap GC/MS. <i>Analytica Chimica Acta</i> , 1998 , 371, 195-203	6.6	117
68	Evaluation of proton-binding capabilities of polyether and pyridyl ligands. <i>Journal of Mass Spectrometry</i> , 1998 , 33, 118-129	2.2	8
67	Evaluation of binding selectivities of bis-crowned clefts by electrospray ionization/quadrupole ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1998 , 33, 721-728	2.2	42
66	Complexation of polyethers and pyridyl ligands with monopositive transition metal ions in the gas phase. <i>International Journal of Mass Spectrometry</i> , 1998 , 176, 39-61	1.9	15
65	Evaluation of metal complexation as an alternative to protonation for electrospray ionization of pharmaceutical compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 463-472	3.5	45
64	Gas-phase basicities of polyamines. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 1043-1048	3.9	13

63	Identification of tetracycline antibiotics by electrospray ionization in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 1089-1098	3.5	64
62	Determination of binding selectivities in host-guest complexation by electrospray/quadrupole ion trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 1049-1059	3.5	110
61	Determination of cannabinoids in water and human saliva by solid-phase microextraction and quadrupole ion trap gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 1788-96	7.8	60
60	Characterization of β -lactams by photodissociation and collision-activated dissociation in a quadrupole ion trap. <i>Journal of Mass Spectrometry</i> , 1998 , 33, 705-712	2.2	33
59	Metal complexation reactions of quinolone antibiotics in a quadrupole ion trap. <i>Analytical Chemistry</i> , 1997 , 69, 1147-55	7.8	54
58	Determination of barbiturates by solid-phase microextraction (SPME) and ion trap gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1997 , 777, 275-82	4.5	92
57	Dissociation of polyether-transition metal ion dimer complexes in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1997 , 8, 620-629	3.5	30
56	Analytical applications of ion-molecule reactions. <i>Mass Spectrometry Reviews</i> , 1997 , 16, 91-110	11	137
55	Use of Trimethyl Borate as a Chemical Ionization Reagent for the Analysis of Biologically Active Molecules. <i>Journal of Mass Spectrometry</i> , 1997 , 32, 846-854	2.2	23
54	Use of infrared multiphoton photodissociation with SWIFT for electrospray ionization and laser desorption applications in a quadrupole ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1996 , 68, 4033-43	7.8	64
53	Collisionally Activated Dissociation of Transition Metal Ion/Polyether Complexes in a Quadrupole Ion Trap. <i>Journal of the American Chemical Society</i> , 1996 , 118, 9131-9138	16.4	36
52	Borinium adduct ion formation with barbiturates in a quadrupole ion-trap mass spectrometer. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 403-10	2.2	19
51	Comparison of the gas-phase basicities and relative methylation nucleophilicities of carbonyl-containing compounds. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 901-7	2.2	10
50	Reactions of Hydantoin and Succinimide Anticonvulsants with Dimethyl Ether Ions in a Quadrupole Ion Trap Mass Spectrometer. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 1389-1398	2.2	18
49	Use of borinium ions as probes of steric effects in gas-phase ion-molecule complexes. <i>Rapid Communications in Mass Spectrometry</i> , 1996 , 10, 1418-20	2.2	11
48	Ion-molecule reactions of oxygenated chemical ionization reagents with vincamine. <i>Journal of the American Society for Mass Spectrometry</i> , 1996 , 7, 250-60	3.5	19
47	Effects of functional group interactions on the gas-phase methylation and dissociation of acids and esters. <i>Journal of the American Society for Mass Spectrometry</i> , 1996 , 7, 565-72	3.5	17
46	An empirical approach to estimation of critical energies by using a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1996 , 7, 1116-25	3.5	87

45	Comparison of cation binding affinities of quinones. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996 , 155, 123-131		8
44	Evaluation of steric and substituent effects in phenols by competitive reactions of dimethyl ether ions in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1995 , 6, 627-33	3.5	13
43	Gas-Phase Chelation Reactions of Monopositive Cations with Heteroaromatic Ligands. <i>Inorganic Chemistry</i> , 1995 , 34, 615-621	5.1	33
42	Structurally-selective gas-phase ion-molecule reactions of dibenzo-16-crown-5 compounds. <i>Journal of Mass Spectrometry</i> , 1995 , 30, 572-580	2.2	10
41	Selective ion-molecule reactions of ether reagent ions with nucleoside antibiotics in a quadrupole ion trap. <i>Journal of Mass Spectrometry</i> , 1995 , 30, 625-631	2.2	27
40	Comparison of gas-phase basicities and ion-molecule reactions of aminobenzoic acids. <i>Journal of Mass Spectrometry</i> , 1995 , 30, 977-984	2.2	21
39	Determination of pyrethroid insecticides by ion trap GC-MS-MS. <i>Analytica Chimica Acta</i> , 1995 , 317, 137-148	16.8	19
38	Synthesis and Chemistry of Perfluoro Macrocycles. <i>ACS Symposium Series</i> , 1994 , 216-236	0.4	2
37	Ion fragmentation activated by matrix-assisted laser desorption/ionization in an ion-trap/reflectron time-of-flight device. <i>Rapid Communications in Mass Spectrometry</i> , 1994 , 8, 407-16	2.2	25
36	Gas-Phase Complexation of Monopositive Alkaline Earth Metal Ions with Polyethers: Comparison with Alkali Metal Ion and Aluminum Ion Complexations. <i>Journal of the American Chemical Society</i> , 1994 , 116, 6418-6426	16.4	39
35	Class-selective collisionally activated dissociation/ion-molecule reactions of 4-quinolone antibiotics. <i>Analytical Chemistry</i> , 1994 , 66, 2330-5	7.8	29
34	Synthesis and Chemistry of Perfluoro Macrocycles. <i>Journal of the American Chemical Society</i> , 1994 , 116, 5172-5179	16.4	39
33	Reactions of perfluorinated compounds with ethers: evidence for gas-phase cationic polymerization. <i>Journal of the American Chemical Society</i> , 1993 , 115, 11069-11073	16.4	19
32	Structurally diagnostic ion-molecule reactions and collisionally activated dissociation of 1,4-benzodiazepines in a quadrupole ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1993 , 65, 2380-8	7.8	30
31	Effects of functional group interactions on the dissociation reactions of protonated amino alcohols. <i>Organic Mass Spectrometry</i> , 1993 , 28, 665-671		13
30	Ion-molecule reactions and dissociation of glycols in a quadrupole ion trap mass spectrometer: Evidence of intramolecular interactions. <i>Organic Mass Spectrometry</i> , 1993 , 28, 737-744		21
29	Application of site-selective ion-molecule reactions to the analysis of the cinchona alkaloids. <i>Organic Mass Spectrometry</i> , 1993 , 28, 1608-1615		8
28	Selective ion-molecule reactions of biological lactones. <i>Biological Mass Spectrometry</i> , 1993 , 22, 511-517		

27	Effects of reactant ion kinetic energy on both endothermic and exothermic ion/molecule reactions in a quadrupole ion trap mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993 , 124, 175-184		13
26	Selective ion-molecule reactions of lactams with dimethyl ether ions. <i>Journal of the American Society for Mass Spectrometry</i> , 1993 , 4, 352-61	3.5	14
25	Functional group-selective ion-molecule reactions of ethylene glycol and its monomethyl and dimethyl ethers. <i>Journal of the American Society for Mass Spectrometry</i> , 1993 , 4, 97-105	3.5	12
24	An investigation of site-selective gas-phase reactions of amino alcohols with dimethyl ether ions. <i>Journal of the American Society for Mass Spectrometry</i> , 1993 , 4, 230-41	3.5	14
23	Gas-phase complexation of polyethers with halide ions. <i>Journal of the American Society for Mass Spectrometry</i> , 1993 , 4, 242-8	3.5	9
22	Cavity-size-dependent dissociation of crown ether/ammonium ion complexes in the gas phase. <i>Journal of the American Chemical Society</i> , 1993 , 115, 2837-2843	16.4	75
21	The natural representation of real numbers. <i>Computers and Mathematics With Applications</i> , 1993 , 25, 3-14	2.7	35
20	Axial introduction of laser-desorbed ions into a quadrupole ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1992 , 64, 2079-83	7.8	18
19	Characterization of the dissociation behavior of gas-phase protonated and methylated lactones. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 47-59	3.5	29
18	Effects of functional group interactions on the bimolecular and dissociation reactions of diols. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 535-42	3.5	19
17	Determination of orders of relative alkali metal ion affinities of crown ethers and acyclic analogs by the kinetic method. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 543-8	3.5	70
16	Effects of collisional cooling on ion detection in a quadrupole ion trap mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992 , 115, 67-81		28
15	Comparison of gas-phase proton and ammonium ion affinities of crown ethers and related acyclic analogs. <i>Journal of the American Chemical Society</i> , 1992 , 114, 6761-6764	16.4	63
14	Gas-phase selectivities of crown ethers for alkali metal ion complexation. <i>Journal of the American Chemical Society</i> , 1992 , 114, 4295-4298	16.4	133
13	Methylene substitution reactions in a quadrupole ion trap selectivity of ethylene, ethylene oxide, and dimethyl ether reactive ions. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 39-46	3.5	18
12	Selective ion-molecule reactions of 2,5-dimethylpyrrole- β -butyrolactone with dimethyl ether ions. <i>Biological Mass Spectrometry</i> , 1992 , 21, 254-258		19
11	Examination of Ortho effects in the collisionally activated dissociation of closed-shell aromatic ions. <i>Organic Mass Spectrometry</i> , 1992 , 27, 9-16		25
10	Characterization of the reactive and dissociative behavior of transition metal oxide cluster ions in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 1991 , 2, 212-9	3.5	45

9	Selective formation of molecular oxygen/perfluoro crown ether adduct ions in the gas phase. <i>Journal of the American Chemical Society</i> , 1991 , 113, 5913-5914	16.4	35
8	Collision-activated dissociation mass spectra of crown ethers, perfluorinated crown ethers and related macrocycles. <i>Organic Mass Spectrometry</i> , 1991 , 26, 997-1002		15
7	Selective adduct formation by dimethyl ether chemical ionization in a quadrupole ion trap mass spectrometer and a conventional ion source. <i>Analytical Chemistry</i> , 1991 , 63, 1205-1209	7.8	62
6	Energy-resolved collisional activation of dimethyl phosphonate and dimethyl phosphite ions in a quadrupole ion trap and a triple quadrupole mass spectrometer. <i>Organic Mass Spectrometry</i> , 1988 , 23, 6-9		45
5	Chemical ionization in an ion trap mass spectrometer. <i>Analytical Chemistry</i> , 1987 , 59, 1278-1285	7.8	85
4	In vivo mass spectrometric determination of organic compounds in blood with a membrane probe. <i>Analytical Chemistry</i> , 1987 , 59, 454-8	7.8	66
3	THE ANALYSIS OF METALLOPORPHYRINS IN PETROLEUM USING TANDEM MASS SPECTROMETRY. <i>Petroleum Science and Technology</i> , 1986 , 4, 683-698		4
2	An exceedingly simple mass spectrometer interface with application to reaction monitoring and environmental analysis. <i>Analytical Chemistry</i> , 1985 , 57, 1153-1155	7.8	28
1	Determination of toxic azo dye metabolites in vitro by liquid chromatography/electrochemistry with a dual-electrode detector. <i>Analytical Chemistry</i> , 1984 , 56, 2927-31	7.8	13