

# Michael T Bowers

## 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.

244  
papers

17,605  
citations

71  
h-index

122  
g-index

250  
ext. papers

18,607  
ext. citations

7.6  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
244	Catalytic Cross Talk between Key Peptide Fragments That Couple Alzheimer's Disease with Amyotrophic Lateral Sclerosis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3494-3502	16.4	4
243	Modulating ALS-Related Amyloidogenic TDP-43 Oligomeric Aggregates with Computationally Derived Therapeutic Molecules. <i>Biochemistry</i> , <b>2020</b> , 59, 499-508	3.2	3
242	Latent Models of Molecular Dynamics Data: Automatic Order Parameter Generation for Peptide Fibrillization. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 8012-8022	3.4	5
241	Terminal Capping of an Amyloidogenic Tau Fragment Modulates Its Fibrillation Propensity. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 8772-8783	3.4	10
240	Recommendations for reporting ion mobility Mass Spectrometry measurements. <i>Mass Spectrometry Reviews</i> , <b>2019</b> , 38, 291-320	11	191
239	The Classifying Autoencoder: Gaining Insight into Amyloid Assembly of Peptides and Proteins. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 5256-5264	3.4	5
238	An Intrinsic Hydrophobicity Scale for Amino Acids and Its Application to Fluorinated Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8216-8220	16.4	18
237	Characterizing TDP-43 Oligomeric Assembly: Mechanistic and Structural Implications Involved in the Etiology of Amyotrophic Lateral Sclerosis. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 4112-4123	5.7	7
236	Catalytic Prion-Like Cross-Talk between a Key Alzheimer's Disease Tau-Fragment R3 and the Type 2 Diabetes Peptide IAPP. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 4757-4765	5.7	10
235	Inhibiting and Remodeling Toxic Amyloid-Beta Oligomer Formation Using a Computationally Designed Drug Molecule That Targets Alzheimer's Disease. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 85-93	3.5	10
234	The Structure of the Protonated Serine Octamer. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7554-7560	16.4	47
233	Distal amyloid $\beta$ protein fragments template amyloid assembly. <i>Protein Science</i> , <b>2018</b> , 27, 1181-1190	6.3	6
232	Hetero-oligomeric Amyloid Assembly and Mechanism: Prion Fragment PrP(106-126) Catalyzes the Islet Amyloid Polypeptide $\beta$ Hairpin. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 9685-9695	16.4	17
231	NFGAIL Amyloid Oligomers: The Onset of Beta-Sheet Formation and the Mechanism for Fibril Formation. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 244-249	16.4	34
230	A new instrument with high mass and high ion mobility resolution. <i>International Journal of Mass Spectrometry</i> , <b>2018</b> , 434, 108-115	1.9	4
229	Zinc-Induced Conformational Transitions in Human Islet Amyloid Polypeptide and Their Role in the Inhibition of Amyloidosis. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 9852-9859	3.4	8
228	The Solution Assembly of Biological Molecules Using Ion Mobility Methods: From Amino Acids to Amyloid $\beta$ Protein. <i>Annual Review of Analytical Chemistry</i> , <b>2017</b> , 10, 365-386	12.5	36

227	Atomic structure of a toxic, oligomeric segment of SOD1 linked to amyotrophic lateral sclerosis (ALS). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 8770-8775	11.5	60
226	Infrared spectrum and structure of the homochiral serine octamer-dichloride complex. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1263-1268	17.6	44
225	An infrared spectroscopy approach to follow $\beta$ -sheet formation in peptide amyloid assemblies. <i>Nature Chemistry</i> , <b>2017</b> , 9, 39-44	17.6	127
224	1,2,3,4,6-penta-O-galloyl- $\beta$ -D-glucopyranose Binds to the N-terminal Metal Binding Region to Inhibit Amyloid $\beta$ -protein Oligomer and Fibril Formation. <i>International Journal of Mass Spectrometry</i> , <b>2017</b> , 420, 24-34	1.9	16
223	Mechanism of C-Terminal Fragments of Amyloid $\beta$ -Protein as A $\beta$ Inhibitors: Do C-Terminal Interactions Play a Key Role in Their Inhibitory Activity?. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 1615-1623	3.4	39
222	Retention of Native Protein Structures in the Absence of Solvent: A Coupled Ion Mobility and Spectroscopic Study. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14173-14176	16.4	85
221	The impact of environment and resonance effects on the site of protonation of aminobenzoic acid derivatives. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 25474-25482	3.6	47
220	Human Islet Amyloid Polypeptide Assembly: The Key Role of the 8-20 Fragment. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 11905-11911	3.4	10
219	Röntgenbild: Die Erhaltung nativer Proteinstrukturen unter Ausschluss von Lösungsmittel: eine Untersuchung mit Hilfe der Kombination von Ionenmobilität mit Spektroskopie (Angew. Chem. 45/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14386-14386	3.6	
218	Amino Acid Metaclusters: Implications of Growth Trends on Peptide Self-Assembly and Structure. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 868-76	7.8	34
217	Amyloid $\beta$ -Protein Assembly and Alzheimer's Disease: Dodecamers of A $\beta$ 2, but Not of A $\beta$ 0, Seed Fibril Formation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1772-5	16.4	98
216	Opposing Effects of Cucurbit[7]uril and 1,2,3,4,6-Penta-O-galloyl- $\beta$ -D-glucopyranose on Amyloid $\beta$ 5-35 Assembly. <i>ACS Chemical Neuroscience</i> , <b>2016</b> , 7, 218-26	5.7	20
215	Amyloid $\beta$ -Protein C-Terminal Fragments: Formation of Cylinders and $\beta$ -Barrels. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 549-57	16.4	67
214	Oligomerization of the microtubule-associated protein tau is mediated by its N-terminal sequences: implications for normal and pathological tau action. <i>Journal of Neurochemistry</i> , <b>2016</b> , 137, 939-54	6	23
213	Human Islet Amyloid Polypeptide N-Terminus Fragment Self-Assembly: Effect of Conserved Disulfide Bond on Aggregation Propensity. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2016</b> , 27, 1010-8	3.5	20
212	Aggregation of Chameleon Peptides: Implications of $\beta$ -Helicity in Fibril Formation. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 5874-83	3.4	15
211	Phenylalanine Oligomers and Fibrils: The Mechanism of Assembly and the Importance of Tetramers and Counterions. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10080-3	16.4	65
210	Molecular Structures and Ion Mobility Cross Sections: Analysis of the Effects of He and N <sub>2</sub> Buffer Gas. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7196-203	7.8	66

209	Elucidation of the Aggregation Pathways of Helix-Turn-Helix Peptides: Stabilization at the Turn Region Is Critical for Fibril Formation. <i>Biochemistry</i> , <b>2015</b> , 54, 4050-62	3.2	7
208	Amyloid $\beta$ protein assembly: The effect of molecular tweezers CLR01 and CLR03. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 4831-41	3.4	58
207	Diphenylalanine self assembly: novel ion mobility methods showing the essential role of water. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4245-52	7.8	28
206	Tau assembly: the dominant role of PHF6 (VQIVYK) in microtubule binding region repeat R3. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 4582-93	3.4	99
205	Protomers of benzocaine: solvent and permittivity dependence. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4236-42	16.4	132
204	Role of Species-Specific Primary Structure Differences in A $\beta$ 2 Assembly and Neurotoxicity. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 1941-55	5.7	22
203	A new algorithm to characterise the degree of concaveness of a molecular surface relevant in ion mobility spectrometry. <i>Molecular Physics</i> , <b>2015</b> , 113, 2344-2349	1.7	8
202	Tau Aggregation Propensity Engrained in Its Solution State. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 14421-32	3.4	21
201	Amyloid $\beta$ Protein Assembly: Differential Effects of the Protective A2T Mutation and Recessive A2V Familial Alzheimer's Disease Mutation. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 1732-40	5.7	49
200	Re-print of Ion Mobility Spectrometry: A Personal View of its Development at UCSB. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 377, 625-645	1.9	2
199	Gly25-Ser26 amyloid $\beta$ protein structural isomorphs produce distinct A $\beta$ 2 conformational dynamics and assembly characteristics. <i>Journal of Molecular Biology</i> , <b>2014</b> , 426, 2422-41	6.5	24
198	Rational design of a structural framework with potential use to develop chemical reagents that target and modulate multiple facets of Alzheimer's disease. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 299-310	16.4	142
197	Interactions between amyloid- $\beta$ and Tau fragments promote aberrant aggregates: implications for amyloid toxicity. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 11220-30	3.4	48
196	Factors that drive peptide assembly from native to amyloid structures: experimental and theoretical analysis of [leu-5]-enkephalin mutants. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 7247-56	3.4	23
195	Photodissociation of conformer-selected ubiquitin ions reveals site-specific cis/trans isomerization of proline peptide bonds. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10308-14	16.4	80
194	Defining the molecular basis of amyloid inhibitors: human islet amyloid polypeptide-insulin interactions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12912-9	16.4	58
193	Ion mobility spectrometry: A personal view of its development at UCSB. <i>International Journal of Mass Spectrometry</i> , <b>2014</b> , 370, 75-95	1.9	39
192	Ion mobility analysis of molecular dynamics. <i>Annual Review of Physical Chemistry</i> , <b>2014</b> , 65, 175-96	15.7	155

191	Effects of pH and charge state on peptide assembly: the YVIFL model system. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 10759-68	3.4	30
190	A novel projection approximation algorithm for the fast and accurate computation of molecular collision cross sections (IV). Application to polypeptides. <i>International Journal of Mass Spectrometry</i> , <b>2013</b> , 354-355, 275-280	1.9	43
189	A novel projection approximation algorithm for the fast and accurate computation of molecular collision cross sections (II). Model parameterization and definition of empirical shape factors for proteins. <i>International Journal of Mass Spectrometry</i> , <b>2013</b> , 345-347, 89-96	1.9	52
188	Factors contributing to the collision cross section of polyatomic ions in the kilodalton to gigadalton range: application to ion mobility measurements. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 2191-9	7.8	61
187	Initiation of assembly of tau(273-284) and its K280 mutant: an experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8916-28	3.6	44
186	Formation of Functionalized Nanowires by Control of Self-Assembly Using Multiple Modified Amyloid Peptides. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4881-4887	15.6	23
185	Factors that drive peptide assembly and fibril formation: experimental and theoretical analysis of Sup35 NNQNY mutants. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 8436-46	3.4	23
184	Ion mobility spectrometry reveals the mechanism of amyloid formation of A $\beta$ (25-35) and its modulation by inhibitors at the molecular level: epigallocatechin gallate and scyllo-inositol. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 16926-37	16.4	77
183	Self-Assembly: Formation of Functionalized Nanowires by Control of Self-Assembly Using Multiple Modified Amyloid Peptides (Adv. Funct. Mater. 39/2013). <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4880-4880	15.6	23
182	Familial Alzheimer's disease mutations differentially alter amyloid $\beta$ protein oligomerization. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 909-18	5.7	72
181	A novel projection approximation algorithm for the fast and accurate computation of molecular collision cross sections (III): Application to supramolecular coordination-driven assemblies with complex shapes. <i>International Journal of Mass Spectrometry</i> , <b>2012</b> , 330-332, 78-84	1.9	44
180	A $\beta$ (39-42) modulates A $\beta$ oligomerization but not fibril formation. <i>Biochemistry</i> , <b>2012</b> , 51, 108-17	3.2	65
179	Z-Phe-Ala-diazomethylketone (PADK) disrupts and remodels early oligomer states of the Alzheimer disease A $\beta$ 2 protein. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 6084-8	5.4	31
178	Structural stability from solution to the gas phase: native solution structure of ubiquitin survives analysis in a solvent-free ion mobility-mass spectrometry environment. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 12266-75	3.4	250
177	The amyloid formation mechanism in human IAPP: dimers have $\beta$ strand monomer-monomer interfaces. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7240-3	16.4	177
176	Ion mobility-mass spectrometry reveals a conformational conversion from random assembly to $\beta$ sheet in amyloid fibril formation. <i>Nature Chemistry</i> , <b>2011</b> , 3, 172-7	17.6	282
175	A novel projection approximation algorithm for the fast and accurate computation of molecular collision cross sections (I). Method. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 308, 1-10	1.9	157
174	The effect of calcium ions and peptide ligands on the relative stabilities of the calmodulin dumbbell and compact structures. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 437-47	3.4	43

173	Conformational stability of Syrian hamster prion protein PrP(90-231). <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8816-8	16.4	29
172	Oligomers of the prion protein fragment 106-126 are likely assembled from beta-hairpins in solution, and methionine oxidation inhibits assembly without altering the peptide's monomeric conformation. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 532-9	16.4	62
171	Direct Visualization of Water-Induced Relocation of Au Atoms from Oxygen Vacancies on a TiO <sub>2</sub> (110) Surface. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3987-3990	3.8	38
170	Characterization of simple isomeric oligosaccharides and the rapid separation of glycan mixtures by ion mobility mass spectrometry. <i>International Journal of Mass Spectrometry</i> , <b>2010</b> , 298, 119-127	1.9	112
169	ESI and MALDI mass spectrometry of large POSS oligomers. <i>International Journal of Mass Spectrometry</i> , <b>2010</b> , 292, 38-47	1.9	16
168	Structural analysis of prion proteins by means of drift cell and traveling wave ion mobility mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 845-54	3.5	44
167	Developments in Ion Mobility <b>2010</b> , 3-30		3
166	A new, higher resolution, ion mobility mass spectrometer. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 287, 46-57	1.9	174
165	Amyloid- $\beta$ protein oligomerization and the importance of tetramers and dodecamers in the aetiology of Alzheimer's disease. <i>Nature Chemistry</i> , <b>2009</b> , 1, 326-31	17.6	737
164	Aminoglycoside antibiotics: A-site specific binding to 16S. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 283, 105-111	1.9	3
163	Hydration of biomolecules. <i>Chemical Physics Letters</i> , <b>2009</b> , 480, 1-16	2.5	75
162	Amyloid beta-protein: experiment and theory on the 21-30 fragment. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6041-6	3.4	42
161	Amyloid beta protein: Abeta40 inhibits Abeta42 oligomerization. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6316-7	16.4	96
160	Supramolecular modification of ion chemistry: modulation of peptide charge state and dissociation behavior through complexation with cucurbit[n]uril (n = 5, 6) or alpha-cyclodextrin. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 1508-17	2.8	40
159	Systematic study of the structures of potassiated tertiary amino acids: salt bridge structures dominate. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 9543-50	2.8	23
158	DNA hairpin, pseudoknot, and cruciform stability in a solvent-free environment. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 1722-7	3.4	33
157	The structure of Abeta42 C-terminal fragments probed by a combined experimental and theoretical study. <i>Journal of Molecular Biology</i> , <b>2009</b> , 387, 492-501	6.5	75
156	Characterization of phosphorylated peptides using traveling wave-based and drift cell ion mobility mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 248-54	7.8	202

155	Human islet amyloid polypeptide monomers form ordered beta-hairpins: a possible direct amyloidogenic precursor. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18283-92	16.4	180
154	Protonated arginine and protonated lysine: hydration and its effect on the stability of salt-bridge structures. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9995-10000	3.4	36
153	Hydration of protonated aromatic amino acids: phenylalanine, tryptophan, and tyrosine. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4695-701	16.4	57
152	Effects of familial Alzheimer's disease mutations on the folding nucleation of the amyloid beta-protein. <i>Journal of Molecular Biology</i> , <b>2008</b> , 381, 221-8	6.5	88
151	G-quadruplex DNA assemblies: loop length, cation identity, and multimer formation. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 10208-16	16.4	217
150	Conformational evolution of ubiquitin ions in electrospray mass spectrometry: molecular dynamics simulations at gradually increasing temperatures. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 3077-82	3.6	48
149	Spermine binding to Parkinson's protein alpha-synuclein and its disease-related A30P and A53T mutants. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11147-54	3.4	48
148	Structural Investigation of Encapsulated Fluoride in Polyhedral Oligomeric Silsesquioxane Cages Using Ion Mobility Mass Spectrometry and Molecular Mechanics. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 4299-4309	8.6	72
147	Chapter 3 Noncovalent Protein Interactions. <i>Comprehensive Analytical Chemistry</i> , <b>2008</b> , 63-82	1.9	
146	Intermolecular interactions in biomolecular systems examined by mass spectrometry. <i>Annual Review of Physical Chemistry</i> , <b>2007</b> , 58, 511-33	15.7	137
145	An investigation of the mobility separation of some peptide and protein ions using a new hybrid quadrupole/travelling wave IMS/oa-ToF instrument. <i>International Journal of Mass Spectrometry</i> , <b>2007</b> , 261, 1-12	1.9	685
144	B-DNA helix stability in a solvent-free environment. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 1188-95	3.5	47
143	Stabilization and structure of telomeric and c-myc region intramolecular G-quadruplexes: the role of central cations and small planar ligands. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 895-904	16.4	132
142	An experimental and theoretical investigation into the binding interactions of silver cluster cations with ethene and propene. <i>International Journal of Mass Spectrometry</i> , <b>2006</b> , 249-250, 252-262	1.9	18
141	G-quadruplexes in telomeric repeats are conserved in a solvent-free environment. <i>International Journal of Mass Spectrometry</i> , <b>2006</b> , 253, 225-237	1.9	75
140	Elucidating amyloid beta-protein folding and assembly: A multidisciplinary approach. <i>Accounts of Chemical Research</i> , <b>2006</b> , 39, 635-45	24.3	188
139	Structural Characterization of POSS Siloxane Dimer and Trimer. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1490-1497	3.9	48
138	Hydration of mononucleotides. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 15155-63	16.4	52

137	Cyclo[n]pyrroles: size and site-specific binding to G-quadruplexes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2641-8	16.4	78
136	Amyloid beta-protein monomer structure: a computational and experimental study. <i>Protein Science</i> , <b>2006</b> , 15, 420-8	6.3	211
135	Landing of size-selected Ag <sub>n</sub> <sup>+</sup> clusters on single crystal TiO <sub>2</sub> (110)-(1x1) surfaces at room temperature. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 81102	3.9	56
134	Structure of Hybrid Polyhedral Oligomeric Silsesquioxane Propyl Methacrylate Oligomers Using Ion Mobility Mass Spectrometry and Molecular Mechanics. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 2537-2545	9.6	32
133	Structural analysis of metal interactions with the dinucleotide duplex, dCG x dCG, using ion mobility mass spectrometry. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 4808-10	3.4	20
132	Oxytocin-receptor binding: why divalent metals are essential. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 2024-5	16.4	48
131	Probing the structure of gas-phase metallic clusters via ligation energetics: sequential addition of C <sub>2</sub> H <sub>4</sub> to Ag <sub>m</sub> <sup>+</sup> (m=3-7). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9994-5	16.4	24
130	Intact size-selected Au(n) clusters on a TiO <sub>2</sub> (110)-(1 x 1) surface at room temperature. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13516-8	16.4	133
129	Amyloid beta-protein: monomer structure and early aggregation states of Abeta42 and its Pro19 alloform. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 2075-84	16.4	296
128	Probing shapes of bichromophoric metal-organic complexes using ion mobility mass spectrometry. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 18222-8	16.4	22
127	Structural characterization of G-quadruplexes in deoxyguanosine clusters using ion mobility mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 989-97	3.5	60
126	Is it biologically relevant to measure the structures of small peptides in the gas-phase?. <i>International Journal of Mass Spectrometry</i> , <b>2005</b> , 240, 273-284	1.9	64
125	Hydration of small peptides. <i>International Journal of Mass Spectrometry</i> , <b>2005</b> , 240, 221-232	1.9	50
124	Binding interactions of mono- and diatomic silver cations with small alkenes: experiment and theory. <i>International Journal of Mass Spectrometry</i> , <b>2005</b> , 241, 109-117	1.9	32
123	Structural motifs of DNA complexes in the gas phase. <i>International Journal of Mass Spectrometry</i> , <b>2005</b> , 240, 183-193	1.9	97
122	Dissociation reactions of diatomic silver cations with small alkenes: experiment and theory. <i>International Journal of Mass Spectrometry</i> , <b>2005</b> , 241, 99-108	1.9	17
121	Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds. <i>International Journal of Mass Spectrometry</i> , <b>2004</b> , 236, 81-90	1.9	43
120	Microstructural and conformational studies of polyether copolymers. <i>International Journal of Mass Spectrometry</i> , <b>2004</b> , 238, 287-297	1.9	68



119	Sequence dependent conformations of glycidyl methacrylate/butyl methacrylate copolymers in the gas phase. <i>International Journal of Mass Spectrometry</i> , <b>2004</b> , 238, 279-286	1.9	13
118	Isomeric Structural Characterization of Polyhedral Oligomeric Silsesquioxanes (POSS) with Styryl and Epoxy Phenyl Capping Agents. <i>Nano Letters</i> , <b>2004</b> , 4, 779-785	11.5	45
117	Sodium stabilization of dinucleotide multiplexes in the gas phase. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 2786	3.6	23
116	Duplex formation and the onset of helicity in poly d(CG) <sub>n</sub> oligonucleotides in a solvent-free environment. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 15132-40	16.4	105
115	Investigation of noncovalent interactions in deprotonated peptides: structural and energetic competition between aggregation and hydration. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3261-70	16.4	41
114	The Determination of Cis/Trans Conformations in Tetrahedral p-Phenylene Vinylene Oligomers. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 7730-7735	2.8	10
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