

Michael T Bowers

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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	Amyloid- β protein oligomerization and the importance of tetramers and dodecamers in the aetiology of Alzheimer's disease. <i>Nature Chemistry</i> , 2009 , 1, 326-31	17.6	737
243	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> , 2007 , 261, 1-12	1.9	685
242	Carbon cluster cations with up to 84 atoms: structures, formation mechanism, and reactivity. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 8182-8192		516
241	Structures of carbon cluster ions from 3 to 60 atoms: Linears to rings to fullerenes. <i>Journal of Chemical Physics</i> , 1991 , 95, 3835-3837	3.9	438
240	Experimental evidence for the formation of fullerenes by collisional heating of carbon rings in the gas phase. <i>Nature</i> , 1993 , 363, 60-63	50.4	361
239	Gas-Phase Conformation of Biological Molecules: Bradykinin. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8355-8364	16.4	349
238	Amyloid beta-protein: monomer structure and early aggregation states of A β 42 and its Pro19 alloform. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2075-84	16.4	296
237	Ion mobility-mass spectrometry reveals a conformational conversion from random assembly to β -sheet in amyloid fibril formation. <i>Nature Chemistry</i> , 2011 , 3, 172-7	17.6	282
236	Effect of the long-range potential on ion mobility measurements. <i>Journal of the American Society for Mass Spectrometry</i> , 1997 , 8, 275-282	3.5	279
235	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> , 2011 , 115, 12266-75	3.4	250
234	Collisions in a noncentral field: A variational and trajectory investigation of ion-dipole capture. <i>Journal of Chemical Physics</i> , 1980 , 72, 2641-2655	3.9	242
233	Design of a new electrospray ion mobility mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2001 , 212, 13-23	1.9	241
232	G-quadruplex DNA assemblies: loop length, cation identity, and multimer formation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10208-16	16.4	217
231	Amyloid beta-protein monomer structure: a computational and experimental study. <i>Protein Science</i> , 2006 , 15, 420-8	6.3	211
230	Characterization of phosphorylated peptides using traveling wave-based and drift cell ion mobility mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 248-54	7.8	202
229	Statistical phase space theory of polyatomic systems: Rigorous energy and angular momentum conservation in reactions involving symmetric polyatomic species. <i>Journal of Chemical Physics</i> , 1977 , 66, 2306-2315	3.9	195
228	Near thermal energy charge transfer reactions of rare gas ions with diatomic and simple polyatomic molecules: The importance of Franck-Condon factors and energy resonance on the magnitude of the rate constants. <i>Journal of Chemical Physics</i> , 1974 , 61, 4600-4617	3.9	194

227	Gas-Phase Conformations: The Ion Mobility/Ion Chromatography Method. <i>Topics in Current Chemistry</i> , 2003 , 207-232		193
226	Recommendations for reporting ion mobility Mass Spectrometry measurements. <i>Mass Spectrometry Reviews</i> , 2019 , 38, 291-320	11	191
225	Inclusion of a MALDI ion source in the ion chromatography technique: conformational information on polymer and biomolecular ions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995 , 146-147, 349-364		189
224	Elucidating amyloid beta-protein folding and assembly: A multidisciplinary approach. <i>Accounts of Chemical Research</i> , 2006 , 39, 635-45	24.3	188
223	Human islet amyloid polypeptide monomers form ordered beta-hairpins: a possible direct amyloidogenic precursor. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18283-92	16.4	180
222	The amyloid formation mechanism in human IAPP: dimers have β -strand monomer-monomer interfaces. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7240-3	16.4	177
221	A new, higher resolution, ion mobility mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2009 , 287, 46-57	1.9	174
220	Multiple transition states in unimolecular reactions: A transition state switching model. Application to the C ₄ H ₈ ⁺ system. <i>Journal of Chemical Physics</i> , 1981 , 74, 2228-2246	3.9	174
219	Salt Bridge Structures in the Absence of Solvent? The Case for the Oligoglycines. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5098-5103	16.4	163
218	Electronic-state chromatography: application to first-row transition-metal ions. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 5134-5146		163
217	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> , 2011 , 308, 1-10	1.9	157
216	Ion mobility analysis of molecular dynamics. <i>Annual Review of Physical Chemistry</i> , 2014 , 65, 175-96	15.7	155
215	Gas phase conformations of biological molecules: the hydrogen/deuterium exchange mechanism. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 9-14	3.5	148
214	A new method for studying carbon clusters in the gas phase: Observation of size specific neutral fragment loss from metastable reactions of mass selected C _n , n \leq 10. <i>Journal of Chemical Physics</i> , 1988 , 88, 2809-2814	3.9	146
213	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> , 2014 , 136, 299-310	16.4	142
212	Intermolecular interactions in biomolecular systems examined by mass spectrometry. <i>Annual Review of Physical Chemistry</i> , 2007 , 58, 511-33	15.7	137
211	Gas-Phase Conformations of Synthetic Polymers: Poly(ethylene glycol), Poly(propylene glycol), and Poly(tetramethylene glycol). <i>Journal of the American Chemical Society</i> , 2000 , 122, 4692-4699	16.4	136
210	A hybrid double-focusing mass spectrometer with high-pressure drift reaction cell to study thermal energy reactions of mass-selected ions. <i>Journal of the American Society for Mass Spectrometry</i> , 1990 , 1, 197-207	3.5	135

209	Intact size-selected Au(n) clusters on a TiO ₂ (110)-(1 x 1) surface at room temperature. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13516-8	16.4	133
208	Protomers of benzocaine: solvent and permittivity dependence. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4236-42	16.4	132
207	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> , 2007 , 129, 895-904	16.4	132
206	Structures and Energetics of V _n (C ₆ H ₆) _m ⁺ Clusters: Evidence for a Quintuple-Decker Sandwich. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 8207-8213	2.8	129
205	An infrared spectroscopy approach to follow β -sheet formation in peptide amyloid assemblies. <i>Nature Chemistry</i> , 2017 , 9, 39-44	17.6	127
204	Conformations of alkali ion cationized polyethers in the gas phase: polyethylene glycol and bis[(benzo-15-crown-5)-15-ylmethyl] pimelate. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 165-166, 377-390		124
203	On the structure, reactivity and relative stability of the large carbon cluster ions C ₆₂ ⁺ , C ₆₀ ⁺ and C ₅₈ ⁺ . <i>Chemical Physics Letters</i> , 1990 , 174, 223-229	2.5	123
202	Carbon cluster anions: structure and growth from C ₅ ⁻ to C ₆₂ ⁻ . <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995 , 149-150, 217-229		117
201	Characterization of simple isomeric oligosaccharides and the rapid separation of glycan mixtures by ion mobility mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2010 , 298, 119-127	1.9	112
200	Duplex formation and the onset of helicity in poly d(CG) _n oligonucleotides in a solvent-free environment. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15132-40	16.4	105
199	Ion-polar molecule collisions. Conservation of angular momentum in the average dipole orientation theory. The AADO theory. <i>Journal of Chemical Physics</i> , 1978 , 69, 2243-2250	3.9	101
198	Tau assembly: the dominant role of PHF6 (VQIVYK) in microtubule binding region repeat R3. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4582-93	3.4	99
197	Amyloid β -Protein Assembly and Alzheimer's Disease: Dodecamers of A β ₄₂ , but Not of A β ₄₀ , Seed Fibril Formation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1772-5	16.4	98
196	Structural motifs of DNA complexes in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2005 , 240, 183-193	1.9	97
195	Amyloid beta protein: Abeta40 inhibits Abeta42 oligomerization. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6316-7	16.4	96
194	Annealing of carbon cluster cations: rings to rings and rings to fullerenes. <i>Journal of the American Chemical Society</i> , 1993 , 115, 4363-4364	16.4	89
193	Effects of familial Alzheimer's disease mutations on the folding nucleation of the amyloid beta-protein. <i>Journal of Molecular Biology</i> , 2008 , 381, 221-8	6.5	88
192	Retention of Native Protein Structures in the Absence of Solvent: A Coupled Ion Mobility and Spectroscopic Study. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14173-14176	16.4	85

191	The effect of the initial water of hydration on the energetics, structures, and H/D exchange mechanism of a family of pentapeptides: an experimental and theoretical study. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13768-75	16.4	84
190	Gas Phase Conformations of Li ⁺ , Na ⁺ , K ⁺ , and Cs ⁺ Complexed with 18-Crown-6. <i>Journal of the American Chemical Society</i> , 1995 , 117, 10159-10160	16.4	82
189	Photodissociation of conformer-selected ubiquitin ions reveals site-specific cis/trans isomerization of proline peptide bonds. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10308-14	16.4	80
188	Cyclo[n]pyrroles: size and site-specific binding to G-quadruplexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2641-8	16.4	78
187	Insertion of Sc ⁺ into H ₂ : The First Example of Cluster-Mediated σ -Bond Activation by a Transition Metal Center. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9710-9718	16.4	78
186	Ion mobility spectrometry reveals the mechanism of amyloid formation of A β (25-35) and its modulation by inhibitors at the molecular level: epigallocatechin gallate and scyllo-inositol. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16926-37	16.4	77
185	Hydration of biomolecules. <i>Chemical Physics Letters</i> , 2009 , 480, 1-16	2.5	75
184	The structure of A β 42 C-terminal fragments probed by a combined experimental and theoretical study. <i>Journal of Molecular Biology</i> , 2009 , 387, 492-501	6.5	75
183	G-quadruplexes in telomeric repeats are conserved in a solvent-free environment. <i>International Journal of Mass Spectrometry</i> , 2006 , 253, 225-237	1.9	75
182	On the question of salt bridges of cationized amino acids in the gas phase: glycine and arginine. <i>International Journal of Mass Spectrometry</i> , 1999 , 182-183, 243-252	1.9	75
181	Gas phase structures of sodiated oligosaccharides by ion mobility/ion chromatography methods. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 167-168, 605-614		74
180	Sequential hydration of small protonated peptides. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8458-64	16.4	73
179	Origin of Bonding Interactions in Cu ⁺ (H ₂) _n Clusters: An Experimental and Theoretical Investigation. <i>Journal of the American Chemical Society</i> , 1998 , 120, 13494-13502	16.4	73
178	Mass Spectrometry: Recent Advances and Future Directions. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 12897-12910		73
177	Familial Alzheimer's disease mutations differentially alter amyloid β protein oligomerization. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 909-18	5.7	72
176	Structural Investigation of Encapsulated Fluoride in Polyhedral Oligomeric Silsesquioxane Cages Using Ion Mobility Mass Spectrometry and Molecular Mechanics. <i>Chemistry of Materials</i> , 2008 , 20, 4299-4309	8.6	72
175	Gas-phase conformations and folding energetics of oligonucleotides: dTG- and dGT-. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5610-1	16.4	71
174	Poly (ethylene terephthalate) oligomers cationized by alkali ions: Structures, energetics, and their effect on mass spectra and the matrix-assisted laser desorption/ionization process. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 883-895	3.5	71

173	Binding energies of cobalt(1+)-hydrogen-methane-ethane (Co+.cntdot.(H2/CH4/C2H6)1,2,3) clusters. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 1810-1817		70
172	Gas phase conformations of synthetic polymers: poly (methyl methacrylate) oligomers cationized by sodium ions. <i>International Journal of Mass Spectrometry</i> , 1999 , 188, 121-130	1.9	69
171	Microstructural and conformational studies of polyether copolymers. <i>International Journal of Mass Spectrometry</i> , 2004 , 238, 287-297	1.9	68
170	Cluster ions: carbon, met-cars, and .sigma.-bond activation. <i>Accounts of Chemical Research</i> , 1994 , 27, 324-332	4.3	68
169	Energy disposal in photodissociation from magic angle measurements with a crossed high-energy ion beam and laser beam: Photodissociation dynamics of the (N2)+2 cluster in the 458-514 nm range. <i>Journal of Chemical Physics</i> , 1984 , 81, 214-221	3.9	68
168	Amyloid #Protein C-Terminal Fragments: Formation of Cylindrins and #Barrels. <i>Journal of the American Chemical Society</i> , 2016 , 138, 549-57	16.4	67
167	Gas-phase conformations of cationized poly(styrene) oligomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 499-505	3.5	67
166	Molecular Structures and Ion Mobility Cross Sections: Analysis of the Effects of He and N2 Buffer Gas. <i>Analytical Chemistry</i> , 2015 , 87, 7196-203	7.8	66
165	Gas-Phase Conformations of Deprotonated and Protonated Mononucleotides Determined by Ion Mobility and Theoretical Modeling. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12829-12837	3.4	66
164	Phenylalanine Oligomers and Fibrils: The Mechanism of Assembly and the Importance of Tetramers and Counterions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10080-3	16.4	65
163	A#B9-42) modulates A# oligomerization but not fibril formation. <i>Biochemistry</i> , 2012 , 51, 108-17	3.2	65
162	Charge transfer half-collisions: Photodissociation of the Kr?O+2 cluster ion with resolution of the O2 product vibrational states. <i>Journal of Chemical Physics</i> , 1984 , 81, 4369-4379	3.9	65
161	Activation of Methane by MH+(M = Fe, Co, and Ni):#A Combined Mass Spectrometric and DFT Study# <i>Journal of Physical Chemistry A</i> , 2004 , 108, 9755-9761	2.8	64
160	Is it biologically relevant to measure the structures of small peptides in the gas-phase?. <i>International Journal of Mass Spectrometry</i> , 2005 , 240, 273-284	1.9	64
159	Na+/K+.cntdot.(H2)1,2 clusters: binding energies from theory and experiment. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 2044-2049		63
158	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> , 2010 , 132, 532-9	16.4	62
157	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> , 2013 , 85, 2191-9	7.8	61
156	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> , 2017 , 114, 8770-8775	11.5	60

155	Structural characterization of G-quadruplexes in deoxyguanosine clusters using ion mobility mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 989-97	3.5	60
154	Binding between Ground-State Aluminum Ions and Small Molecules: Al+[(H2/CH4/C2H2/C2H4/C2H6)n. Can Al+ Insert into H2?. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 8590-8597	2.8	60
153	Transition-metal ion-rare gas clusters: bond strengths and molecular parameters for Co+(He/Ne)n, Ni+(He/Ne)n, and Cr+(He/Ne/Ar). <i>The Journal of Physical Chemistry</i> , 1991 , 95, 10600-10609		60
152	Amyloid β protein assembly: The effect of molecular tweezers CLR01 and CLR03. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4831-41	3.4	58
151	Defining the molecular basis of amyloid inhibitors: human islet amyloid polypeptide-insulin interactions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12912-9	16.4	58
150	Mn+(H2)n and Zn+(H2)n Clusters: Influence of 3d and 4s Orbitals on Metal-Ligand Bonding. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 2809-2816	2.8	58
149	Hydration of protonated aromatic amino acids: phenylalanine, tryptophan, and tyrosine. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4695-701	16.4	57
148	Landing of size-selected Agn+ clusters on single crystal TiO2 (110)-(1x1) surfaces at room temperature. <i>Journal of Chemical Physics</i> , 2005 , 122, 81102	3.9	56
147	Cobalt-hydrogen (Co+.cntdot.(H2)n) clusters: binding energies and molecular parameters. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 52-58		56
146	Reactions of Ground-State Ti+ and V+ with Propane: Factors That Govern C-H and C-C Bond Cleavage Product Branching Ratios. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5704-5712	16.4	55
145	Electronic state-selected reactivity of transition metal ions: cobalt(+) and iron(+) with propane. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10941-10950	16.4	55
144	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> , 2013 , 345-347, 89-96	1.9	52
143	Hydration of mononucleotides. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15155-63	16.4	52
142	The formation and reactivity of HOC+: Interstellar implications. <i>Journal of Chemical Physics</i> , 1985 , 83, 1121-1131	3.9	51
141	Hydration of small peptides. <i>International Journal of Mass Spectrometry</i> , 2005 , 240, 221-232	1.9	50
140	Amyloid β Protein Assembly: Differential Effects of the Protective A2T Mutation and Recessive A2V Familial Alzheimer's Disease Mutation. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 1732-40	5.7	49
139	Details of Potential Energy Surfaces Involving C-C Bond Activation: Reactions of Fe+, Co+, and Ni+ with Acetone. <i>Journal of the American Chemical Society</i> , 1995 , 117, 10976-10985	16.4	49
138	Investigation of the dynamics and energy disposal in the photodissociation of small ion clusters using a high-energy ion beam crossed with a laser beam: Photodissociation of (NO)2+. in the 488-606 nm range. <i>Journal of Chemical Physics</i> , 1983 , 79, 6086-6096	3.9	49

137	Interactions between amyloid- β and Tau fragments promote aberrant aggregates: implications for amyloid toxicity. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 11220-30	3.4	48
136	Conformational evolution of ubiquitin ions in electrospray mass spectrometry: molecular dynamics simulations at gradually increasing temperatures. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 3077-82	3.6	48
135	Spermine binding to Parkinson's protein alpha-synuclein and its disease-related A30P and A53T mutants. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11147-54	3.4	48
134	Oxytocin-receptor binding: why divalent metals are essential. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2024-5	16.4	48
133	Structural Characterization of POSS Siloxane Dimer and Trimer. <i>Chemistry of Materials</i> , 2006 , 18, 1490-1497	3.6	48
132	Methane Dehydrogenation by Ti ⁺ : A Cluster-Assisted Mechanism for σ -Bond Activation. <i>Journal of the American Chemical Society</i> , 1995 , 117, 2098-2099	16.4	48
131	The Structure of the Protonated Serine Octamer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7554-7560	16.4	47
130	The impact of environment and resonance effects on the site of protonation of aminobenzoic acid derivatives. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 25474-25482	3.6	47
129	B-DNA helix stability in a solvent-free environment. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1188-95	3.5	47
128	Cr ⁺ (H ₂) _n clusters: Asymmetric bonding from a symmetric ion. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 160, 17-37		46
127	Isomeric Structural Characterization of Polyhedral Oligomeric Silsesquioxanes (POSS) with Styryl and Epoxy Phenyl Capping Agents. <i>Nano Letters</i> , 2004 , 4, 779-785	11.5	45
126	Application of ion mobility to the gas-phase conformational analysis of polyhedral oligomeric silsesquioxanes (POSS). <i>International Journal of Mass Spectrometry</i> , 2003 , 222, 63-73	1.9	45
125	Infrared spectrum and structure of the homochiral serine octamer-dichloride complex. <i>Nature Chemistry</i> , 2017 , 9, 1263-1268	17.6	44
124	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> , 2012 , 330-332, 78-84	1.9	44
123	Initiation of assembly of tau(273-284) and its K280 mutant: an experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8916-28	3.6	44
122	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> , 2010 , 21, 845-54	3.5	44
121	Binding energies of Ti ⁺ (H ₂) _n clusters: Theory and experiment. <i>Journal of Chemical Physics</i> , 1997 , 106, 10153-10167	3.9	44
120	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> , 2013 , 354-355, 275-280	1.9	43

119	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> , 2010 , 114, 437-47	3.4	43
118	Hydration of protonated primary amines: effects of intermolecular and intramolecular hydrogen bonds. <i>International Journal of Mass Spectrometry</i> , 2004 , 236, 81-90	1.9	43
117	Gas-phase conformations of deprotonated trinucleotides (dGTT-, dTGT-, and dTTG-): the question of zwitterion formation. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 161-70	3.5	43
116	Spin change induced in vanadium(II) by low-field ligands: binding energies of vanadium ion-hydrogen (V+(H ₂) _n) clusters (n = 1-7). <i>The Journal of Physical Chemistry</i> , 1993 , 97, 11628-11634		43
115	Amyloid beta-protein: experiment and theory on the 21-30 fragment. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6041-6	3.4	42
114	Investigation of noncovalent interactions in deprotonated peptides: structural and energetic competition between aggregation and hydration. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3261-70	16.4	41
113	Reactions of state-selected cobalt(+) with propane. <i>Journal of the American Chemical Society</i> , 1992 , 114, 1083-1084	16.4	41
112	Product kinetic energy release distributions as a probe of the energetics and mechanisms of organometallic reactions involving the formation of metallacyclobutanes in the gas phase. <i>Journal of the American Chemical Society</i> , 1989 , 111, 1991-2001	16.4	41
111	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> , 2009 , 113, 1508-17	2.8	40
110	Factors Affecting σ Bond Activation in Simple Systems: Measurement of Experimental Binding Energies of Fe+(H ₂) ₁₋₆ Clusters. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 15602-15607		40
109	Mechanism of C-Terminal Fragments of Amyloid β Protein as β Inhibitors: Do C-Terminal Interactions Play a Key Role in Their Inhibitory Activity?. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 1615-23	3.4	39
108	Ion mobility spectrometry: A personal view of its development at UCSB. <i>International Journal of Mass Spectrometry</i> , 2014 , 370, 75-95	1.9	39
107	An experimental study of the formation and reactivity of ionic hydrogen clusters: The first observation and characterization of the even clusters H ₄ ⁺ , H ₆ ⁺ , H ₈ ⁺ , and H ₁₀ ⁺ . <i>Journal of Chemical Physics</i> , 1987 , 86, 1301-1310	3.9	39
106	Direct Visualization of Water-Induced Relocation of Au Atoms from Oxygen Vacancies on a TiO ₂ (110) Surface. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3987-3990	3.8	38
105	On the formation of HCO ⁺ and HOC ⁺ from the reaction between H ₃ and CO. <i>Journal of Chemical Physics</i> , 1982 , 77, 5847-5848	3.9	37
104	The Solution Assembly of Biological Molecules Using Ion Mobility Methods: From Amino Acids to Amyloid β Protein. <i>Annual Review of Analytical Chemistry</i> , 2017 , 10, 365-386	12.5	36
103	Protonated arginine and protonated lysine: hydration and its effect on the stability of salt-bridge structures. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 9995-10000	3.4	36
102	3-Dimensional structural characterization of cationized polyhedral oligomeric silsesquioxanes (POSS) with styryl and phenylethyl capping agents. <i>International Journal of Mass Spectrometry</i> , 2003 , 227, 205-216	1.9	36

- 101 Folding Energetics and Dynamics of Macromolecules in the Gas Phase: \square Alkali Ion-Cationized Poly(ethylene terephthalate) Oligomers. *Journal of the American Chemical Society*, **1999**, 121, 1421-1422^{16.4} 36
- 100 An improved high-pressure, temperature-variable ion source with coaxial electron beam/ion exit slit. *International Journal of Mass Spectrometry and Ion Processes*, **1983**, 54, 263-282 36
- 99 Ni+(H₂)_n: Ligand bond energies for ground state ions. *Chemical Physics Letters*, **1998**, 293, 503-510 2.5 35
- 98 Determination of potential energy curves for ground and metastable excited state transition metal ions interacting with helium and neon using electronic state chromatography. *Journal of Chemical Physics*, **1992**, 96, 6591-6605 3.9 35
- 97 Photodissociation dynamics of negative ion clusters: (SO₂)_n⁻. *Journal of Chemical Physics*, **1986**, 85, 2718-2725 3.9 35
- 96 On the use of collision induced dissociation spectra in the determination of the structural composition of ions. *Organic Mass Spectrometry*, **1982**, 17, 229-236 35
- 95 Amino Acid Metaclusters: Implications of Growth Trends on Peptide Self-Assembly and Structure. *Analytical Chemistry*, **2016**, 88, 868-76 7.8 34
- 94 NFGAIL Amyloid Oligomers: The Onset of Beta-Sheet Formation and the Mechanism for Fibril Formation. *Journal of the American Chemical Society*, **2018**, 140, 244-249 16.4 34
- 93 DNA hairpin, pseudoknot, and cruciform stability in a solvent-free environment. *Journal of Physical Chemistry B*, **2009**, 113, 1722-7 3.4 33
- 92 Fe(CH₄)_n⁺ and Ni(CH₄)_n⁺ clusters: experimental and theoretical bond energies for n = 1-8. *International Journal of Mass Spectrometry*, **2001**, 210-211, 265-281 1.9 33
- 91 C+7 is cyclic: experimental evidence. *Chemical Physics Letters*, **1993**, 212, 241-246 2.5 33
- 90 Structure of Hybrid Polyhedral Oligomeric Silsesquioxane Propyl Methacrylate Oligomers Using Ion Mobility Mass Spectrometry and Molecular Mechanics. *Chemistry of Materials*, **2005**, 17, 2537-2545 9.6 32
- 89 Binding interactions of mono- and diatomic silver cations with small alkenes: experiment and theory. *International Journal of Mass Spectrometry*, **2005**, 241, 109-117 1.9 32
- 88 Fundamental studies of the energetics and dynamics of ligand dissociation and exchange processes at transition-metal centers in the gas phase: Mn(CO)_x⁺, x = 1-6. *Journal of the American Chemical Society*, **1989**, 111, 2401-2409 16.4 32
- 87 Z-Phe-Ala-diazomethylketone (PADK) disrupts and remodels early oligomer states of the Alzheimer disease A β 2 protein. *Journal of Biological Chemistry*, **2012**, 287, 6084-8 5.4 31
- 86 Host/guest conformations of biological systems: valinomycin/alkali ions. *International Journal of Mass Spectrometry*, **1999**, 193, 143-152 1.9 31
- 85 The dynamics of photodissociation of cluster ions. II. Photodissociation of the (NO)₃⁺ cluster in the visible wavelength range. *Journal of Chemical Physics*, **1984**, 81, 222-230 3.9 31
- 84 Theory of ion-polar molecule collisions. Kinetic energy dependence of ion-polar molecule reactions: CH₃OH⁺ + CH₃OH-CH₃OH₂⁺ + CH₃O. *Journal of Chemical Physics*, **1973**, 58, 5175-5176 3.9 31

83	Effects of pH and charge state on peptide assembly: the YVIFL model system. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10759-68	3.4	30
82	Radiative lifetimes of metastable O+(a 4 Π) and NO+(a 3 Π). <i>Journal of Chemical Physics</i> , 1990 , 92, 4849-4855	3.9	30
81	Unimolecular and bimolecular reactions in the C ₄ H ₆ ⁺ system: Experiment and theory. <i>Journal of Chemical Physics</i> , 1983 , 78, 3756-3766	3.9	30
80	Conformational stability of Syrian hamster prion protein PrP(90-231). <i>Journal of the American Chemical Society</i> , 2010 , 132, 8816-8	16.4	29
79	Photodissociation of the SO ₂ ?SO ₂ dimer in the visible region of the spectrum: Product relative kinetic energy distributions and product angular distributions. <i>Journal of Chemical Physics</i> , 1985 , 82, 1832-1840	3.9	29
78	Diphenylalanine self assembly: novel ion mobility methods showing the essential role of water. <i>Analytical Chemistry</i> , 2015 , 87, 4245-52	7.8	28
77	Structures of C _n H _x ⁺ Molecules for n \geq 2 and x \leq 5: Emergence of PAHs and Effects of Dangling Bonds on Conformation. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 2096-2102	2.8	28
76	Dehydrogenation of Ethene by Ti ⁺ and V ⁺ : Excited State Effects on the Mechanism for C-H Bond Activation from Kinetic Energy Release Distributions. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3935-3941	16.4	27
75	On the dissolution processes of Na ₂ I ⁺ and Na ₃ I ₂ ⁺ with the association of water molecules: mechanistic and energetic details. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3341-52	16.4	25
74	Mechanistic and Energetic Details of Adduct Formation and H-Bond Activation in Zr ⁺ (H ₂) _n Clusters. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 2216-2224	2.8	25
73	Gly ²⁵ -Ser ²⁶ amyloid β -protein structural isomorphs produce distinct A β ₂ conformational dynamics and assembly characteristics. <i>Journal of Molecular Biology</i> , 2014 , 426, 2422-41	6.5	24
72	Probing the structure of gas-phase metallic clusters via ligation energetics: sequential addition of C ₂ H ₄ to Ag _m ⁺ (m=3-7). <i>Journal of the American Chemical Society</i> , 2005 , 127, 9994-5	16.4	24
71	Internal Excitation in the Products of Nucleophilic Substitution from the Dissociation of Metastable Ion Complexes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 6785-6796	16.4	24
70	Ion-polar molecule collisions: Nonreactive collisions of Cl ⁻ with dichloroethylene and difluorobenzene. <i>Journal of Chemical Physics</i> , 1974 , 60, 4897-4899	3.9	24
69	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> , 2014 , 118, 7247-56	3.4	23
68	Formation of Functionalized Nanowires by Control of Self-Assembly Using Multiple Modified Amyloid Peptides. <i>Advanced Functional Materials</i> , 2013 , 23, 4881-4887	15.6	23
67	Factors that drive peptide assembly and fibril formation: experimental and theoretical analysis of Sup35 NNQNY mutants. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 8436-46	3.4	23
66	Systematic study of the structures of potassiated tertiary amino acids: salt bridge structures dominate. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 9543-50	2.8	23

65	Sodium stabilization of dinucleotide multiplexes in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 2786	3.6	23
64	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> , 2016 , 137, 939-54	6	23
63	Role of Species-Specific Primary Structure Differences in A β 2 Assembly and Neurotoxicity. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 1941-55	5.7	22
62	Probing shapes of bichromophoric metal-organic complexes using ion mobility mass spectrometry. <i>Journal of the American Chemical Society</i> , 2005 , 127, 18222-8	16.4	22
61	Sigma bond activation by transition metal ions: the Co(CH ₄) _n + systems revisited. <i>International Journal of Mass Spectrometry</i> , 2001 , 204, 281-294	1.9	22
60	Photodissociation of CO ₂ ?H ₂ O: Observation of the O ₂ ?H ₂ O+CO ₂ product channel. <i>Journal of Chemical Physics</i> , 1991 , 94, 6546-6552	3.9	22
59	Tau Aggregation Propensity Engrained in Its Solution State. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 14421-32	3.4	21
58	Bonding interactions in Ag ⁺ (O ₂) _n and Ag ₂ ⁺ (O ₂) _n clusters: experiment and theory. <i>International Journal of Mass Spectrometry</i> , 2003 , 228, 865-877	1.9	21
57	Energetics, structure and photodissociation dynamics of the cluster Ar ⁿ N+2. <i>Journal of Chemical Physics</i> , 1990 , 93, 1158-1164	3.9	21
56	A laser?n beam study of the photodissociation dynamics of the (CO ₂) ₃ cluster. <i>Journal of Chemical Physics</i> , 1986 , 84, 4882-4887	3.9	21
55	Opposing Effects of Cucurbit[7]uril and 1,2,3,4,6-Penta-O-galloyl- β -D-glucopyranose on Amyloid β 5-35 Assembly. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 218-26	5.7	20
54	Structural analysis of metal interactions with the dinucleotide duplex, dCG x dCG, using ion mobility mass spectrometry. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4808-10	3.4	20
53	Internal energy effects in collision induced dissociation spectra. <i>Organic Mass Spectrometry</i> , 1982 , 17, 399-402		20
52	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> , 2016 , 27, 1010-8	3.5	20
51	Photodissociation of CO ₂ : Product kinetic energy measurements as a probe of excited state potential surfaces and dissociation dynamics. <i>Journal of Chemical Physics</i> , 1990 , 92, 5935-5943	3.9	19
50	An Intrinsic Hydrophobicity Scale for Amino Acids and Its Application to Fluorinated Compounds. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8216-8220	16.4	18
49	An experimental and theoretical investigation into the binding interactions of silver cluster cations with ethene and propene. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 252-262	1.9	18
48	Diastereomer assignment of an olefin-linked bis-paracyclophane by ion mobility mass spectrometry. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6255-7	16.4	18

47	Organometallic Reaction Energetics from Product Kinetic Energy Release Distributions. <i>ACS Symposium Series</i> , 1990 , 34-54	0.4	18
46	Photon driven charge transfer half-collisions: The photodissociation of CO ₂ ⁺ O ₂ cluster ions with resolution of the O ₂ product vibrational states. <i>Journal of Chemical Physics</i> , 1987 , 87, 2667-2676	3.9	18
45	Mechanism of thermal energy gas phase charge exchange reaction: He ⁺ + N ₂ . <i>Journal of Chemical Physics</i> , 1973 , 59, 4915-4921	3.9	18
44	Hetero-oligomeric Amyloid Assembly and Mechanism: Prion Fragment PrP(106-126) Catalyzes the Islet Amyloid Polypeptide Hairpin. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9685-9695	16.4	17
43	Dissociation reactions of diatomic silver cations with small alkenes: experiment and theory. <i>International Journal of Mass Spectrometry</i> , 2005 , 241, 99-108	1.9	17
42	The Role of the Cyclopentadienyl Ligand in the C-Bond Activation of Methane. <i>Journal of the American Chemical Society</i> , 2000 , 122, 392-393	16.4	17
41	Intramolecular energy transfer rates in photoexcited cluster ions: The photodissociation dynamics of CO ₂ ⁺ H ₂ O and CO ₂ ⁺ CO ₂ . <i>Journal of Chemical Physics</i> , 1988 , 88, 3072-3080	3.9	17
40	Energy disposal in the thermal and near-thermal energy charge exchange reactions: N ⁺ (3P)+CO(X ¹ Σ ⁺) -N(4S)+CO+(X ² Σ ⁺) and N ⁺ (3P)+CO(X ¹ Σ ⁺) -C(3P)+NO+(X ¹ Σ ⁺) <i>Journal of Chemical Physics</i> , 1984 , 80, 4901-4906	3.9	17
39	1,2,3,4,6-penta-O-galloyl-β-D-glucopyranose Binds to the N-terminal Metal Binding Region to Inhibit Amyloid -protein Oligomer and Fibril Formation. <i>International Journal of Mass Spectrometry</i> , 2017 , 420, 24-34	1.9	16
38	ESI and MALDI mass spectrometry of large POSS oligomers. <i>International Journal of Mass Spectrometry</i> , 2010 , 292, 38-47	1.9	16
37	Origin of Bonding Interactions in Cu ²⁺ (H ₂) _n Clusters: An Experimental and Theoretical Investigation <i>Journal of Physical Chemistry A</i> , 2002 , 106, 10027-10032	2.8	16
36	Metastable and collision induced fragmentation of some small cluster ions: Ar ₂ ⁺ Ar ₃ ⁺ , ArN ₂ ⁺ and N ₄ ⁺ . <i>Organic Mass Spectrometry</i> , 1983 , 18, 553-560		15
35	Aggregation of Chameleon Peptides: Implications of Helicity in Fibril Formation. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5874-83	3.4	15
34	Clustering and activation in reactions of CoCp ⁺ with hydrogen and methane. <i>International Journal of Mass Spectrometry</i> , 2003 , 230, 161-174	1.9	14
33	Ion cyclotron resonance spectroscopy: A sensitivity calibration of marginal oscillators as a function of frequency. <i>Review of Scientific Instruments</i> , 1977 , 48, 1477-1481	1.7	14
32	Sequence dependent conformations of glycidyl methacrylate/butyl methacrylate copolymers in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2004 , 238, 279-286	1.9	13
31	Kinetic energy release distributions as a probe of ligation effects on potential energy surfaces in organometallic reactions. Reversible dehydrogenation of cycloalkenes by iron cation. <i>Journal of the American Chemical Society</i> , 1990 , 112, 9372-9378	16.4	13
30	Statistical phase space theory of ion-polar molecule systems: Application to the reaction H ₂ O ⁺ H ₃ O ⁺ -H ₂ O+H ₃ O ⁺ . <i>Journal of Chemical Physics</i> , 1987 , 86, 2611-2616	3.9	13

29	Effect of reactant ion internal and translational energy on the rate constants of the charge exchange reactions: $\text{CO}_2^{++} + \text{O}_2 \rightarrow \text{O}_2^+ + \text{CO}_2$ and $\text{O}_2^{++} + \text{O}_2 \rightarrow \text{O}_2^+ + \text{O}_2$. <i>Journal of Chemical Physics</i> , 1985 , 82, 4517-4523	3.9	13
28	Reactions of ions in excited electronic states: $(\text{CO}^+)^* + \text{CO} \rightarrow \text{C}_2\text{O}^+ + \text{CO}$. <i>Journal of Chemical Physics</i> , 1975 , 63, 3656-3660	3.9	13
27	Frequency-scanning marginal oscillator for ion cyclotron resonance spectroscopy. <i>Review of Scientific Instruments</i> , 1982 , 53, 989-996	1.7	12
26	Human Islet Amyloid Polypeptide Assembly: The Key Role of the 8-20 Fragment. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 11905-11911	3.4	10
25	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> , 2019 , 10, 4757-4765	5.7	10
24	The Determination of Cis/Trans Conformations in Tetrahedral p-Phenylene Vinylene Oligomers. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 7730-7735	2.8	10
23	Terminal Capping of an Amyloidogenic Tau Fragment Modulates Its Fibrillation Propensity. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 8772-8783	3.4	10
22	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> , 2019 , 30, 85-93	3.5	10
21	A new algorithm to characterise the degree of concaveness of a molecular surface relevant in ion mobility spectrometry. <i>Molecular Physics</i> , 2015 , 113, 2344-2349	1.7	8
20	Ion velocity distributions in an ICR spectrometer and their effect on measured rate constants. <i>Journal of Chemical Physics</i> , 1976 , 65, 990-997	3.9	8
19	Zinc-Induced Conformational Transitions in Human Islet Amyloid Polypeptide and Their Role in the Inhibition of Amyloidosis. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9852-9859	3.4	8
18	Elucidation of the Aggregation Pathways of Helix-Turn-Helix Peptides: Stabilization at the Turn Region Is Critical for Fibril Formation. <i>Biochemistry</i> , 2015 , 54, 4050-62	3.2	7
17	Characterizing TDP-43 Oligomeric Assembly: Mechanistic and Structural Implications Involved in the Etiology of Amyotrophic Lateral Sclerosis. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 4112-4123	5.7	7
16	Comment on Entropy bottlenecks in ion-molecule reactions. <i>Journal of Chemical Physics</i> , 1985 , 82, 2168-2169	3.9	7
15	Energetics and Structures of Gas Phase Ions: Macromolecules, Clusters and Ligated Transition Metals 1999 , 235-258		7
14	Distal amyloid β -protein fragments template amyloid assembly. <i>Protein Science</i> , 2018 , 27, 1181-1190	6.3	6
13	Photodissociation dynamics of weakly bound ion-neutral clusters: $\text{SO}_2^+ \cdot \text{O}_2$. <i>Journal of Chemical Physics</i> , 1987 , 86, 3283-3291	3.9	6
12	The Classifying Autoencoder: Gaining Insight into Amyloid Assembly of Peptides and Proteins. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 5256-5264	3.4	5

11	Latent Models of Molecular Dynamics Data: Automatic Order Parameter Generation for Peptide Fibrillization. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 8012-8022	3.4	5
10	Catalytic Cross Talk between Key Peptide Fragments That Couple Alzheimer's Disease with Amyotrophic Lateral Sclerosis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3494-3502	16.4	4
9	A new instrument with high mass and high ion mobility resolution. <i>International Journal of Mass Spectrometry</i> , 2018 , 434, 108-115	1.9	4
8	Aminoglycoside antibiotics: A-site specific binding to 16S. <i>International Journal of Mass Spectrometry</i> , 2009 , 283, 105-111	1.9	3
7	Developments in Ion Mobility 2010 , 3-30		3
6	Modulating ALS-Related Amyloidogenic TDP-43 Oligomeric Aggregates with Computationally Derived Therapeutic Molecules. <i>Biochemistry</i> , 2020 , 59, 499-508	3.2	3
5	Re-print of Ion Mobility Spectrometry: A Personal View of its Development at UCSB <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 625-645	1.9	2
4	One- and Two-Dimensional Carbon Clusters: Isomers, Structures and Isomer Abundances.. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 270, 117		1
3	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> , 2016 , 128, 14386-14386	3.6	
2	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> , 2013 , 23, 4880-4880	15.6	
1	Chapter 3 Noncovalent Protein Interactions. <i>Comprehensive Analytical Chemistry</i> , 2008 , 63-82	1.9	