

Julia Laskin

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.

285 papers	12,863 citations	63 h-index	99 g-index
379 ext. papers	14,960 ext. citations	6.6 avg, IF	6.92 L-index

#	Paper	IF	Citations
285	Skeletal muscle undergoes fiber type metabolic switch without myosin heavy chain switch in response to defective fatty acid oxidation.. <i>Molecular Metabolism</i> , 2022 , 59, 101456	8.8	3
284	Enhancement of lipid signals with ammonium fluoride in negative mode Nano-DESI mass spectrometry imaging. <i>International Journal of Mass Spectrometry</i> , 2022 , 478, 116859	1.9	0
283	Designing New Metal Chalcogenide Nanoclusters through Atom-by-Atom Substitution. <i>Small</i> , 2021 , 17, e2002927	11	3
282	Self-supervised clustering of mass spectrometry imaging data using contrastive learning.. <i>Chemical Science</i> , 2021 , 13, 90-98	9.4	2
281	Design and Performance of a Soft-Landing Instrument for Fragment Ion Deposition. <i>Analytical Chemistry</i> , 2021 , 93, 14489-14496	7.8	2
280	Discovery of a Neutral 40-Pd-Oxo Molecular Disk, [PdO(OH){(CH)AsO}]: Synthesis, Structural Characterization, and Catalytic Studies. <i>Inorganic Chemistry</i> , 2021 , 60, 17339-17347	5.1	2
279	Ion Mobility Spectrometry Characterization of the Intermediate Hydrogen-Containing Gold Cluster Au(PPh)H. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2502-2508	6.4	4
278	Innentitelbild: Imaging and Analysis of Isomeric Unsaturated Lipids through Online Photochemical Derivatization of Carbon-Carbon Double Bonds (Angew. Chem. 14/2021). <i>Angewandte Chemie</i> , 2021 , 133, 7526-7526	3.6	
277	Quantitative Mass Spectrometry Imaging of Biological Systems. <i>Annual Review of Physical Chemistry</i> , 2021 , 72, 307-329	15.7	17
276	Discovery and Supramolecular Interactions of Neutral Palladium-Oxo Clusters Pd ₁₆ and Pd ₂₄ . <i>Angewandte Chemie</i> , 2021 , 133, 3676-3683	3.6	1
275	CpG preconditioning reduces accumulation of lysophosphatidylcholine in ischemic brain tissue after middle cerebral artery occlusion. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2735-2745	4.4	6
274	Discovery and Supramolecular Interactions of Neutral Palladium-Oxo Clusters Pd and Pd. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3632-3639	16.4	9
273	Deep Learning Approach for Dynamic Sparse Sampling for High-Throughput Mass Spectrometry Imaging. <i>IS&T International Symposium on Electronic Imaging</i> , 2021 , 2021, 2901-2907	1	3
272	Imaging and Analysis of Isomeric Unsaturated Lipids through Online Photochemical Derivatization of Carbon-Carbon Double Bonds**. <i>Angewandte Chemie</i> , 2021 , 133, 7637-7641	3.6	1
271	Spatial Segmentation of Mass Spectrometry Imaging Data by Combining Multivariate Clustering and Univariate Thresholding. <i>Analytical Chemistry</i> , 2021 , 93, 3477-3485	7.8	9
270	Imaging and Analysis of Isomeric Unsaturated Lipids through Online Photochemical Derivatization of Carbon-Carbon Double Bonds*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7559-7563	16.4	15
269	Catalytic Pyrolysis of Lignin Model Compounds (Pyrocatechol, Guaiacol, Vanillic and Ferulic Acids) over Nanoceria Catalyst for Biomass Conversion. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7205	2.6	3

268	Multiplexing of Electrospray Ionization Sources Using Orthogonal Injection into an Electrodynamical Ion Funnel. <i>Analytical Chemistry</i> , 2021 , 93, 11576-11584	7.8	3
267	High-resolution imaging and identification of biomolecules using Nano-DESI coupled to ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2021 , 1186, 339085	6.6	7
266	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6131-6133	5.6	
265	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2496-2498	4.3	
264	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , 2020 , 39, 2331-2333	3.8	
263	Preparative Mass Spectrometry Using a Rotating-Wall Mass Analyzer. <i>Angewandte Chemie</i> , 2020 , 132, 7785-7790	3.6	0
262	Preparative Mass Spectrometry Using a Rotating-Wall Mass Analyzer. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7711-7716	16.4	4
261	Molecular composition and photochemical lifetimes of brown carbon chromophores in biomass burning organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1105-1129	6.8	64
260	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , 2020 , 27, 198-200	1.7	
259	Imaging of Triglycerides in Tissues Using Nanospray Desorption Electrospray Ionization (Nano-DESI) Mass Spectrometry. <i>International Journal of Mass Spectrometry</i> , 2020 , 448,	1.9	16
258	Properties of gaseous closo-[BX] dianions (X = Cl, Br, I). <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 17713-17724	3.6	7
257	Principles of Operation of a Rotating Wall Mass Analyzer for Preparative Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1875-1884	3.5	1
256	An Integrated Microfluidic Probe for Mass Spectrometry Imaging of Biological Samples*. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22388-22391	16.4	7
255	Ion Mobility-Mass Spectrometry Imaging Workflow. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 2437-2442	3.5	11
254	Direct functionalization of C-H bonds by electrophilic anions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23374-23379	11.5	9
253	An Integrated Microfluidic Probe for Mass Spectrometry Imaging of Biological Samples**. <i>Angewandte Chemie</i> , 2020 , 132, 22574-22577	3.6	2
252	Molecular composition and photochemical lifetimes of brown carbon chromophores in biomass burning organic aerosol 2019 ,		2
251	Influence of Interligand Interactions and Core-Charge Distribution on Gold Cluster Stability: Enthalpy Versus Entropy. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24899-24911	3.8	7

250	Properties of perhalogenated {closo-B} and {closo-B} multiply charged anions and a critical comparison with {closo-B} in the gas and the condensed phase. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5903-5915	3.6	18
249	Design and Performance of a Dual-Polarity Instrument for Ion Soft Landing. <i>Analytical Chemistry</i> , 2019 , 91, 5904-5912	7.8	15
248	Statistical detection of differentially abundant ions in mass spectrometry-based imaging experiments with complex designs. <i>International Journal of Mass Spectrometry</i> , 2019 , 437, 49-57	1.9	3
247	Gas-Phase Fragmentation of Host-Guest Complexes of Cyclodextrins and Polyoxometalates. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1934-1945	3.5	8
246	Lipid Coverage in Nanospray Desorption Electrospray Ionization Mass Spectrometry Imaging of Mouse Lung Tissues. <i>Analytical Chemistry</i> , 2019 , 91, 11629-11635	7.8	27
245	Electroosmotic extraction coupled to mass spectrometry analysis of metabolites in live cells. <i>Methods in Enzymology</i> , 2019 , 628, 293-307	1.7	3
244	The human body at cellular resolution: the NIH Human Biomolecular Atlas Program. <i>Nature</i> , 2019 , 574, 187-192	50.4	162
243	Aqueous Photochemistry of Secondary Organic Aerosol of α -Pinene and β -Humulene in the Presence of Hydrogen Peroxide or Inorganic Salts. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 2736-2746	3.2	13
242	High spatial resolution imaging of biological tissues using nanospray desorption electrospray ionization mass spectrometry. <i>Nature Protocols</i> , 2019 , 14, 3445-3470	18.8	55
241	Liquid-Liquid phase separation and viscosity within secondary organic aerosol generated from diesel fuel vapors. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12515-12529	6.8	14
240	Gas phase fragmentation of adducts between dioxygen and closo-borate radical anions. <i>International Journal of Mass Spectrometry</i> , 2019 , 436, 71-78	1.9	1
239	Controlling the Activity and Stability of Electrochemical Interfaces Using Atom-by-Atom Metal Substitution of Redox Species. <i>ACS Nano</i> , 2019 , 13, 458-466	16.7	18
238	Effect of relative humidity on the composition of secondary organic aerosol from the oxidation of toluene. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 1643-1652	6.8	46
237	High Spatial Resolution Imaging of Mouse Pancreatic Islets Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 6548-6555	7.8	47
236	Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2461-2480	6.8	46
235	Mass Spectrometry Analysis in Atmospheric Chemistry. <i>Analytical Chemistry</i> , 2018 , 90, 166-189	7.8	52
234	In Situ Infrared Spectroelectrochemistry for Understanding Structural Transformations of Precisely Defined Ions at Electrochemical Interfaces. <i>Analytical Chemistry</i> , 2018 , 90, 10935-10942	7.8	18
233	From Isolated Ions to Multilayer Functional Materials Using Ion Soft Landing. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16270-16284	16.4	42

232	Quantitative Extraction and Mass Spectrometry Analysis at a Single-Cell Level. <i>Analytical Chemistry</i> , 2018 , 90, 7937-7945	7.8	39
231	Towards High-Resolution Tissue Imaging Using Nanospray Desorption Electrospray Ionization Mass Spectrometry Coupled to Shear Force Microscopy. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 316-322	3.5	42
230	Reactive Uptake of Ammonia by Biogenic and Anthropogenic Organic Aerosols. <i>ACS Symposium Series</i> , 2018 , 127-147	0.4	5
229	Molecular Characterization of Atmospheric Brown Carbon. <i>ACS Symposium Series</i> , 2018 , 261-274	0.4	9
228	Comprehensive Molecular Characterization of Atmospheric Brown Carbon by High Resolution Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2018 , 90, 12493-12502	7.8	86
227	Predicting the glass transition temperature and viscosity of secondary organic material using molecular composition. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6331-6351	6.8	66
226	Self-organizing layers from complex molecular anions. <i>Nature Communications</i> , 2018 , 9, 1889	17.4	27
225	Von isolierten Ionen zu mehrschichtigen funktionellen Materialien durch sanfte Landung von Ionen. <i>Angewandte Chemie</i> , 2018 , 130, 16506-16521	3.6	6
224	DRILL Interface Makes Ion Soft Landing Broadly Accessible for Energy Science and Applications. <i>Batteries and Supercaps</i> , 2018 , 1, 97-101	5.6	11
223	Aqueous Photochemistry of Secondary Organic Aerosol of α -Pinene and β -Humulene Oxidized with Ozone, Hydroxyl Radical, and Nitrate Radical. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 1298-1309	2.8	40
222	In-Plane Multimagnetron Approach 2017 , 79-100		1
221	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. <i>CheM</i> , 2017 , 2, 655-667	16.2	85
220	Reactive Landing of Gramicidin S and Ubiquitin Ions onto Activated Self-Assembled Monolayer Surfaces. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1304-1312	3.5	6
219	Observing the real time formation of phosphine-ligated gold clusters by electrospray ionization mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17187-17198	3.6	19
218	Ligand induced structural isomerism in phosphine coordinated gold clusters revealed by ion mobility mass spectrometry. <i>Chemical Communications</i> , 2017 , 53, 7389-7392	5.8	27
217	Constant-Distance Mode Nanospray Desorption Electrospray Ionization Mass Spectrometry Imaging of Biological Samples with Complex Topography. <i>Analytical Chemistry</i> , 2017 , 89, 1131-1137	7.8	36
216	Molecular Characterization of Organosulfur Compounds in Biodiesel and Diesel Fuel Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2017 , 51, 119-127	10.3	48
215	Effect of Relative Humidity on the Composition of Secondary Organic Aerosol from Oxidation of Toluene 2017 ,		1

214 Surface Ionization and Soft Landing Techniques in Mass Spectrometry **2017**, 344-352

213 Photochemistry of Products of the Aqueous Reaction of Methylglyoxal with Ammonium Sulfate. *ACS Earth and Space Chemistry*, **2017**, 1, 522-532 3.2 35

212 A Role for 2-Methyl Pyrrole in the Browning of 4-Oxopentanal and Limonene Secondary Organic Aerosol. *Environmental Science & Technology*, **2017**, 51, 11048-11056 10.3 12

211 Molecular Chemistry of Atmospheric Brown Carbon Inferred from a Nationwide Biomass Burning Event. *Environmental Science & Technology*, **2017**, 51, 11561-11570 10.3 134

210 LungMAP: The Molecular Atlas of Lung Development Program. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 313, L733-L740 5.8 103

209 Secondary organic aerosol from atmospheric photooxidation of indole. *Atmospheric Chemistry and Physics*, **2017**, 17, 11605-11621 6.8 10

208 Quantitative Mass Spectrometry Imaging of Molecules in Biological Systems **2017**, 43-72 3

207 Lipidomics reveals dramatic lipid compositional changes in the maturing postnatal lung. *Scientific Reports*, **2017**, 7, 40555 4.9 49

206 Trp53 deficient mice predisposed to preterm birth display region-specific lipid alterations at the embryo implantation site. *Scientific Reports*, **2016**, 6, 33023 4.9 13

205 In situ solid-state electrochemistry of mass-selected ions at well-defined electrode-electrolyte interfaces. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13324-13329 11.5 16

204 Rational design of efficient electrode-electrolyte interfaces for solid-state energy storage using ion soft landing. *Nature Communications*, **2016**, 7, 11399 17.4 66

203 Optical properties and aging of light-absorbing secondary organic aerosol. *Atmospheric Chemistry and Physics*, **2016**, 16, 12815-12827 6.8 94

202 Molecular transformations of phenolic SOA during photochemical aging in the aqueous phase: competition among oligomerization, functionalization, and fragmentation. *Atmospheric Chemistry and Physics*, **2016**, 16, 4511-4527 6.8 63

201 Understanding ligand effects in gold clusters using mass spectrometry. *Analyst, The*, **2016**, 141, 3573-89 5 35

200 Secondary Structures of Ubiquitin Ions Soft-Landed onto Self-Assembled Monolayer Surfaces. *Journal of Physical Chemistry B*, **2016**, 120, 4927-36 3.4 10

199 Ambient Mass Spectrometry Imaging Using Direct Liquid Extraction Techniques. *Analytical Chemistry*, **2016**, 88, 52-73 7.8 107

198 Effect of viscosity on photodegradation rates in complex secondary organic aerosol materials. *Physical Chemistry Chemical Physics*, **2016**, 18, 8785-93 3.6 61

197 Analysis of Organic Anionic Surfactants in Fine and Coarse Fractions of Freshly Emitted Sea Spray Aerosol. *Environmental Science & Technology*, **2016**, 50, 2477-86 10.3 108

196	Charge retention of soft-landed phosphotungstate Keggin anions on self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9021-8	3.6	14
195	Soft- and reactive landing of ions onto surfaces: Concepts and applications. <i>Mass Spectrometry Reviews</i> , 2016 , 35, 439-79	11	50
194	Fabrication of electrocatalytic Ta nanoparticles by reactive sputtering and ion soft landing. <i>Journal of Chemical Physics</i> , 2016 , 145, 174701	3.9	8
193	Soft Landing of Complex Ions for Studies in Catalysis and Energy Storage. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 23305-23322	3.8	21
192	Molecular Characterization of Brown Carbon in Biomass Burning Aerosol Particles. <i>Environmental Science & Technology</i> , 2016 , 50, 11815-11824	10.3	154
191	Dynamics of Protonated Peptide Ion Collisions with Organic Surfaces: Consonance of Simulation and Experiment. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3142-50	6.4	26
190	Soft landing of bare nanoparticles with controlled size, composition, and morphology. <i>Nanoscale</i> , 2015 , 7, 3491-503	7.7	55
189	Ion-Surface collisions in mass spectrometry: Where analytical chemistry meets surface science. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 188-200	1.9	6
188	Chemistry of atmospheric brown carbon. <i>Chemical Reviews</i> , 2015 , 115, 4335-82	68.1	768
187	Aqueous Processing of Atmospheric Organic Particles in Cloud Water Collected via Aircraft Sampling. <i>Environmental Science & Technology</i> , 2015 , 49, 8523-30	10.3	42
186	New approach for studying slow fragmentation kinetics in FT-ICR: Surface-induced dissociation combined with resonant ejection. <i>International Journal of Mass Spectrometry</i> , 2015 , 378, 160-168	1.9	5
185	Soft landing of bare PtRu nanoparticles for electrochemical reduction of oxygen. <i>Nanoscale</i> , 2015 , 7, 12379-91	7.7	29
184	Cationic gold clusters ligated with differently substituted phosphines: effect of substitution on ligand reactivity and binding. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14636-46	3.6	20
183	Molecular characterization of brown carbon (BrC) chromophores in secondary organic aerosol generated from photo-oxidation of toluene. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 23312-25	3.6	145
182	Gas-Phase Fragmentation Pathways of Mixed Addenda Keggin Anions: PMo ₁₂ -nW nO ₄₀ 3- (n = 0-12). <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1027-35	3.5	10
181	Design and performance of a high-flux electrospray ionization source for ion soft landing. <i>Analyst</i> , 2015 , 140, 2957-63	5	37
180	Atmospheric Oxidation of Squalene: Molecular Study Using COBRA Modeling and High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2015 , 49, 13304-13	10.3	25
179	Enhanced Raman scattering from aromatic dithiols electrosprayed into plasmonic nanojunctions. <i>Faraday Discussions</i> , 2015 , 184, 339-57	3.6	14

178	Revealing Brown Carbon Chromophores Produced in Reactions of Methylglyoxal with Ammonium Sulfate. <i>Environmental Science & Technology</i> , 2015 , 49, 14257-66	10.3	103
177	Soft landing of mass-selected gold clusters: Influence of ion and ligand on charge retention and reactivity. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 205-213	1.9	10
176	Three-dimensional imaging of lipids and metabolites in tissues by nanospray desorption electrospray ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 2063-71	4.4	37
175	Surface-induced dissociation: a unique tool for studying energetics and kinetics of the gas-phase fragmentation of large ions. <i>European Journal of Mass Spectrometry</i> , 2015 , 21, 377-89	1.1	4
174	Effect of basic residue on the kinetics of peptide fragmentation examined using surface-induced dissociation combined with resonant ejection. <i>International Journal of Mass Spectrometry</i> , 2015 , 391, 24-30	1.9	2
173	Towards Adaptive, Streaming Analysis of X-ray Tomography Data. <i>Synchrotron Radiation News</i> , 2015 , 28, 10-14	0.6	3
172	High-resolution mass spectrometry and molecular characterization of aqueous photochemistry products of common types of secondary organic aerosols. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 2594-606	2.8	53
171	Imaging of lipids and metabolites using nanospray desorption electrospray ionization mass spectrometry. <i>Methods in Molecular Biology</i> , 2015 , 1203, 99-106	1.4	6
170	Matrix effects in biological mass spectrometry imaging: identification and compensation. <i>Analyst</i> , 2014 , 139, 3528-32	5	62
169	Reactive Landing of Dendrimer Ions onto Activated Self-Assembled Monolayer Surfaces. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2602-2608	3.8	6
168	Size-dependent stability toward dissociation and ligand binding energies of phosphine ligated gold cluster ions. <i>Chemical Science</i> , 2014 , 5, 3275	9.4	29
167	Dynamics of energy transfer and soft-landing in collisions of protonated dialanine with perfluorinated self-assembled monolayer surfaces. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23769-78	3.6	11
166	Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10629-42	3.6	76
165	Controlling the Charge State and Redox Properties of Supported Polyoxometalates via Soft Landing of Mass-Selected Ions. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 27611-27622	3.8	25
164	Polyoxometalate-Graphene Nanocomposite Modified Electrode for Electrocatalytic Detection of Ascorbic Acid. <i>Electroanalysis</i> , 2014 , 26, 178-183	3	33
163	Effect of solar radiation on the optical properties and molecular composition of laboratory proxies of atmospheric brown carbon. <i>Environmental Science & Technology</i> , 2014 , 48, 10217-26	10.3	189
162	Discovery and mechanistic studies of facile N-terminal CEC bond cleavages in the dissociation of tyrosine-containing peptide radical cations. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4273-81	3.4	9
161	Molecular characterization of organosulfates in organic aerosols from Shanghai and Los Angeles urban areas by nanospray-desorption electrospray ionization high-resolution mass spectrometry. <i>Environmental Science & Technology</i> , 2014 , 48, 10993-1001	10.3	102

160	Investigating the synthesis of ligated metal clusters in solution using a flow reactor and electrospray ionization mass spectrometry. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 8464-70	2.8	14
159	Shotgun approach for quantitative imaging of phospholipids using nanospray desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 1872-80	7.8	67
158	In situ SIMS and IR spectroscopy of well-defined surfaces prepared by soft landing of mass-selected ions. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	1
157	Molecular characterization of S- and N-containing organic constituents in ambient aerosols by negative ion mode high-resolution Nanospray Desorption Electrospray Ionization Mass Spectrometry: CalNex 2010 field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 12,706-12,720	4.4	31
156	Chemical characterization of SOA formed from aqueous-phase reactions of phenols with the triplet excited state of carbonyl and hydroxyl radical. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13801-13816	6.8	131
155	Molecular selectivity of brown carbon chromophores. <i>Environmental Science & Technology</i> , 2014 , 48, 12047-55	10.3	69
154	Charge retention by organometallic dications on self-assembled monolayer surfaces. <i>International Journal of Mass Spectrometry</i> , 2014 , 365-366, 187-193	1.9	5
153	The characterization of living bacterial colonies using nanospray desorption electrospray ionization mass spectrometry. <i>Methods in Molecular Biology</i> , 2014 , 1151, 199-208	1.4	2
152	Gas-phase synthesis of singly and multiply charged polyoxovanadate anions employing electrospray ionization and collision induced dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 1385-95	3.5	12
151	Fragmentation energetics of clusters relevant to atmospheric new particle formation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3276-85	16.4	36
150	Molecular characterization of organic aerosol using nanospray desorption/electrospray ionization mass spectrometry: CalNex 2010 field study. <i>Atmospheric Environment</i> , 2013 , 68, 265-272	5.3	49
149	Metabolic profiling directly from the Petri dish using nanospray desorption electrospray ionization imaging mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 10385-91	7.8	80
148	High-speed tandem mass spectrometric in situ imaging by nanospray desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 9596-603	7.8	56
147	Surface characterization of nanomaterials and nanoparticles: Important needs and challenging opportunities. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 50820	2.9	196
146	An approach toward quantification of organic compounds in complex environmental samples using high-resolution electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2013 , 5, 72-80	3.2	22
145	Imaging nicotine in rat brain tissue by use of nanospray desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 882-9	7.8	89
144	Influence of heteroanion and ammonium cation size on the composition and gas-phase fragmentation of polyoxovanadates. <i>International Journal of Mass Spectrometry</i> , 2013 , 354-355, 333-341	1.9	9
143	Spatially resolved analysis of glycolipids and metabolites in living <i>Synechococcus</i> sp. PCC 7002 using nanospray desorption electrospray ionization. <i>Analyst</i> , 2013 , 138, 1971-8	5	41

142	Excitation-emission spectra and fluorescence quantum yields for fresh and aged biogenic secondary organic aerosols. <i>Environmental Science & Technology</i> , 2013 , 47, 5763-70	10.3	91
141	Brown carbon formation from ketoaldehydes of biogenic monoterpene. <i>Faraday Discussions</i> , 2013 , 165, 473-94	3.6	71
140	Probing molecular associations of field-collected and laboratory-generated SOA with nano-DESI high-resolution mass spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1042-1051	4.4	17
139	Mechanistic examination of C-C bond cleavages of tryptophan residues during dissociations of molecular peptide radical cations. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1059-68	2.8	15
138	Synthesis and Characterization of Gold Clusters Ligated with 1,3-Bis(dicyclohexylphosphino)propane. <i>ChemPlusChem</i> , 2013 , 78, 1033-1039	2.8	11
137	New mass spectrometry techniques for studying physical chemistry of atmospheric heterogeneous processes. <i>International Reviews in Physical Chemistry</i> , 2013 , 32, 128-170	7	37
136	Energy and entropy effects in dissociation of peptide radical anions. <i>International Journal of Mass Spectrometry</i> , 2012 , 316-318, 251-258	1.9	7
135	Effect of the basic residue on the energetics and dynamics of dissociation of phosphopeptides. <i>International Journal of Mass Spectrometry</i> , 2012 , 330-332, 295-301	1.9	12
134	Velo and REXAN Integrated data management and high speed analysis for experimental facilities 2012 ,		1
133	Direct aqueous photochemistry of isoprene high-NO(x) secondary organic aerosol. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 9702-14	3.6	36
132	Applications of high-resolution electrospray ionization mass spectrometry to measurements of average oxygen to carbon ratios in secondary organic aerosols. <i>Environmental Science & Technology</i> , 2012 , 46, 8315-24	10.3	30
131	Coverage-Dependent Charge Reduction of Cationic Gold Clusters on Surfaces Prepared Using Soft Landing of Mass-Selected Ions. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24977-24986	3.8	37
130	Tissue imaging using nanospray desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 141-8	7.8	240
129	Study of electrochemical reactions using nanospray desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 5737-43	7.8	48
128	Charge retention by gold clusters on surfaces prepared using soft landing of mass selected ions. <i>ACS Nano</i> , 2012 , 6, 573-82	16.7	51
127	COBRA: a computational brewing application for predicting the molecular composition of organic aerosols. <i>Environmental Science & Technology</i> , 2012 , 46, 6048-55	10.3	6
126	Chemical characterization of crude petroleum using nanospray desorption electrospray ionization coupled with high-resolution mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 1517-25	7.8	59
125	Automated platform for high-resolution tissue imaging using nanospray desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 8351-6	7.8	91

124	Chemical analysis of complex organic mixtures using reactive nanospray desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 7179-87	7.8	43
123	Formation of nitrogen- and sulfur-containing light-absorbing compounds accelerated by evaporation of water from secondary organic aerosols. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		159
122	Mass spectrometric approaches for chemical characterisation of atmospheric aerosols: critical review of the most recent advances. <i>Environmental Chemistry</i> , 2012 , 9, 163	3.2	71
121	Mass spectral molecular networking of living microbial colonies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1743-52	11.5	593
120	Visualization of high resolution spatial mass spectrometric data during acquisition. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 5545-8	0.9	16
119	Design of a shear-thinning recoverable peptide hydrogel from native sequences and application for influenza H1N1 vaccine adjuvant. <i>Soft Matter</i> , 2011 , 7, 8905	3.6	43
118	Molecular chemistry of organic aerosols through the application of high resolution mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3612-29	3.6	117
117	Soft landing of complex molecules on surfaces. <i>Annual Review of Analytical Chemistry</i> , 2011 , 4, 83-104	12.5	88
116	Effect of humidity on the composition of isoprene photooxidation secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 6931-6944	6.8	137
115	Formation of peptide radical ions through dissociative electron transfer in ternary metal-ligand-peptide complexes. <i>European Journal of Mass Spectrometry</i> , 2011 , 17, 543-56	1.1	38
114	Energetics and dynamics of dissociation of deprotonated peptides: Fragmentation of angiotensin analogs. <i>International Journal of Mass Spectrometry</i> , 2011 , 308, 275-280	1.9	6
113	IonCCD for direct position-sensitive charged-particle detection: from electrons and keV ions to hyperthermal biomolecular ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 612-23 ^{3.5}		33
112	Characterization of the ion beam focusing in a mass spectrometer using an IonCCD detector. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1388-94	3.5	12
111	Redox chemistry in thin layers of organometallic complexes prepared using ion soft landing. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 267-75	3.6	27
110	Photolytic processing of secondary organic aerosols dissolved in cloud droplets. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12199-212	3.6	95
109	Competition between covalent and noncovalent bond cleavages in dissociation of phosphopeptide-amine complexes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 6936-46	3.6	14
108	Case study of water-soluble metal containing organic constituents of biomass burning aerosol. <i>Environmental Science & Technology</i> , 2011 , 45, 1257-63	10.3	39
107	Monodisperse Au ¹¹ clusters prepared by soft landing of mass selected ions. <i>Analytical Chemistry</i> , 2011 , 83, 8069-72	7.8	47

106	Nitrogen-containing organic compounds and oligomers in secondary organic aerosol formed by photooxidation of isoprene. <i>Environmental Science & Technology</i> , 2011 , 45, 6908-18	10.3	83
105	Higher-order mass defect analysis for mass spectra of complex organic mixtures. <i>Analytical Chemistry</i> , 2011 , 83, 4924-9	7.8	72
104	Nanospray desorption electrospray ionization: an ambient method for liquid-extraction surface sampling in mass spectrometry. <i>Analyst, The</i> , 2010 , 135, 2233-6	5	326
103	Soft-Landing of CoIII(salen)+ and MnIII(salen)+ on Self-Assembled Monolayer Surfaces. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5305-5311	3.8	30
102	High-resolution electrospray ionization mass spectrometry analysis of water-soluble organic aerosols collected with a particle into liquid sampler. <i>Analytical Chemistry</i> , 2010 , 82, 8010-6	7.8	42
101	High-resolution desorption electrospray ionization mass spectrometry for chemical characterization of organic aerosols. <i>Analytical Chemistry</i> , 2010 , 82, 2048-58	7.8	140
100	Study of highly selective and efficient thiol derivatization using selenium reagents by mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 6926-32	7.8	66
99	Effect of the basic residue on the energetics, dynamics, and mechanisms of gas-phase fragmentation of protonated peptides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16006-16	16.4	22
98	Formation, isomerization, and dissociation of alpha-carbon-centered and pi-centered glycyglycyltryptophan radical cations. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2270-80	3.4	31
97	In situ reactivity and TOF-SIMS analysis of surfaces prepared by soft and reactive landing of mass-selected ions. <i>Analytical Chemistry</i> , 2010 , 82, 5718-27	7.8	37
96	Molecular characterization of organic aerosols using nanospray-desorption/electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 7979-86	7.8	96
95	Effect of the surface on the secondary structure of soft landed peptide ions. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12802-10	3.6	25
94	Fragmentation of alpha-radical cations of arginine-containing peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 511-21	3.5	49
93	High-resolution mass spectrometry analysis of secondary organic aerosol generated by ozonolysis of isoprene. <i>Atmospheric Environment</i> , 2010 , 44, 1032-1042	5.3	139
92	Preparation of surface organometallic catalysts by gas-phase ligand stripping and reactive landing of mass-selected ions. <i>Chemistry - A European Journal</i> , 2010 , 16, 14433-8	4.8	30
91	Surface Induced Dissociation and Soft Landing Techniques in Mass Spectrometry 2010 , 2778-2787		
90	Influence of the charge state on the structures and interactions of vancomycin antibiotics with cell-wall analogue peptides: experimental and theoretical studies. <i>Chemistry - A European Journal</i> , 2009 , 15, 2081-90	4.8	17
89	Effect of the surface on charge reduction and desorption kinetics of soft landed peptide ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 901-6	3.5	24

88	Experimental and computational studies of the macrocyclic effect of an auxiliary ligand on electron and proton transfers within ternary copper(II)-histidine complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 972-84	3.5	5
87	Kinetics for tautomerizations and dissociations of triglycine radical cations. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 996-1005	3.5	24
86	Fragmentation mechanisms of oxidized peptides elucidated by SID, RRKM modeling, and molecular dynamics. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1579-92	3.5	8
85	Molecular characterization of nitrogen-containing organic compounds in biomass burning aerosols using high-resolution mass spectrometry. <i>Environmental Science & Technology</i> , 2009 , 43, 3764-71	10.3	170
84	In situ studies of soft- and reactive landing of mass-selected ions using infrared reflection absorption spectroscopy. <i>Analytical Chemistry</i> , 2009 , 81, 7302-8	7.8	37
83	Molecular characterization of biomass burning aerosols using high-resolution mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 1512-21	7.8	60
82	Time-resolved molecular characterization of limonene/ozone aerosol using high-resolution electrospray ionization mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 7931-42	3.6	87
81	Surface Modification Using Reactive Landing of Mass-Selected Ions. <i>Particle Acceleration and Detection</i> , 2009 , 37-65	0.5	9
80	Experimental and theoretical studies of the structures and interactions of vancomycin antibiotics with cell wall analogues. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13013-22	16.4	24
79	Soft-landing of peptide ions onto self-assembled monolayer surfaces: an overview. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1079-90	3.6	101
78	Reactive landing of peptide ions on self-assembled monolayer surfaces: an alternative approach for covalent immobilization of peptides on surfaces. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1512-22	3.6	72
77	High-resolution mass spectrometric analysis of secondary organic aerosol produced by ozonation of limonene. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1009-22	3.6	139
76	The effect of the secondary structure on dissociation of peptide radical cations: fragmentation of angiotensin III and its analogues. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12468-78	3.4	23
75	The effect of solvent on the analysis of secondary organic aerosol using electrospray ionization mass spectrometry. <i>Environmental Science & Technology</i> , 2008 , 42, 7341-6	10.3	79
74	Energetics and dynamics of electron transfer and proton transfer in dissociation of metal(III)(salen)-peptide complexes in the gas phase. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3218-30	16.4	50
73	Helical peptide arrays on self-assembled monolayer surfaces through soft and reactive landing of mass-selected ions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6678-80	16.4	53
72	Helical Peptide Arrays on Self-Assembled Monolayer Surfaces through Soft and Reactive Landing of Mass-Selected Ions. <i>Angewandte Chemie</i> , 2008 , 120, 6780-6782	3.6	5
71	Design and performance of an instrument for soft landing of biomolecular ions on surfaces. <i>Analytical Chemistry</i> , 2007 , 79, 6566-74	7.8	53

70	Covalent immobilization of peptides on self-assembled monolayer surfaces using soft-landing of mass-selected ions. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8682-3	16.4	53
69	Charge-remote fragmentation of odd-electron peptide ions. <i>Analytical Chemistry</i> , 2007 , 79, 6607-14	7.8	86
68	Energetics and dynamics of the fragmentation reactions of protonated peptides containing methionine sulfoxide or aspartic acid via energy- and time-resolved surface induced dissociation. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10580-8	2.8	23
67	First Observation of Charge Reduction and Desorption Kinetics of Multiply Protonated Peptides Soft Landed onto Self-Assembled Monolayer Surfaces. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18220-18225	3.8	38
66	Is dissociation of peptide radical cations an ergodic process?. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9598-9	16.4	52
65	Effect of the surface morphology on the energy transfer in ion-surface collisions. <i>International Journal of Mass Spectrometry</i> , 2007 , 265, 124-129	1.9	7
64	Charge retention by peptide ions soft-landed onto self-assembled monolayer surfaces. <i>International Journal of Mass Spectrometry</i> , 2007 , 265, 237-243	1.9	33
63	Evaluation of the influence of amino acid composition on the propensity for collision-induced dissociation of model peptides using molecular dynamics simulations. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1625-37	3.5	8
62	Electronic structure and fragmentation properties of $[\text{Fe}_4\text{S}_4(\text{SEt})_4(\text{SSEt})_x]^{2+}$. <i>International Journal of Mass Spectrometry</i> , 2007 , 263, 260-266	1.9	6
61	Peptide ozonolysis: product structures and relative reactivities for oxidation of tyrosine and histidine residues. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 1289-98	3.5	17
60	Peptide Radical Cations 2006 , 301-335		32
59	Photodissociation of Biomolecule Ions: Progress, Possibilities, and Perspectives Coming from Small-Ion Models 2006 , 337-377		7
58	Protein Structure and Folding in the Gas Phase: Ubiquitin and Cytochrome c 2006 , 177-212		16
57	Intramolecular Vibrational Energy Redistribution and Ergodicity of Biomolecular Dissociation 2006 , 239-275		3
56	Probing the Electronic Structure of Fe-S Clusters: Ubiquitous Electron Transfer Centers in Metalloproteins Using Anion Photoelectron Spectroscopy in the Gas Phase 2006 , 63-117		3
55	Energetics and dynamics of fragmentation of protonated leucine enkephalin from time- and energy-resolved surface-induced dissociation studies. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 8554-62	2.8	49
54	Soft-landing of peptides onto self-assembled monolayer surfaces. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 1678-87	2.8	55
53	Chemical Dynamics Simulations of Energy Transfer and Unimolecular Decomposition in Collision-Induced Dissociation (CID) and Surface-Induced Dissociation (SID) 2006 , 379-432		3

52	Ion Soft Landing: Instrumentation, Phenomena, and Applications 2006 , 433-474		6
51	Electron Capture Dissociation and Other Ion-Electron Fragmentation Reactions 2006 , 475-517		10
50	Thermochemistry Studies of Biomolecules 2006 , 565-617		
49	Energy and Entropy Effects in Gas-Phase Dissociation of Peptides and Proteins 2006 , 619-665		7
48	Mechanisms of peptide fragmentation from time- and energy-resolved surface-induced dissociation studies: Dissociation of angiotensin analogs. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 462-472	1.9	28
47	Collision-induced dissociation of [4Fe-4S] cubane cluster complexes: [Fe ₄ S ₄ Cl ₄ (x(SC ₂ H ₅) _x) ₂] ¹⁺ (x = 0-4). <i>International Journal of Mass Spectrometry</i> , 2006 , 255-256, 102-110	1.9	15
46	Protein identification via surface-induced dissociation in an FT-ICR mass spectrometer and a patchwork sequencing approach. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 700-9	3.5	18
45	Preparation and in situ characterization of surfaces using soft landing in a Fourier transform ion cyclotron resonance mass spectrometer. <i>Analytical Chemistry</i> , 2005 , 77, 3452-60	7.8	51
44	Ion/surface reactions and ion soft-landing. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 1490-500	3.6	109
43	Activation of large ions in FT-ICR mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2005 , 24, 135-67	11	170
42	Fragmentation energetics for angiotensin II and its analogs from time- and energy-resolved surface-induced dissociation studies. <i>International Journal of Mass Spectrometry</i> , 2004 , 234, 89-99	1.9	46
41	Relative proton affinities from kinetic energy release distributions for dissociation of proton-bound dimers. <i>International Journal of Mass Spectrometry</i> , 2004 , 233, 223-231	1.9	3
40	Isolation, characterization of an intermediate in an oxygen atom-transfer reaction, and the determination of the bond dissociation energy. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8604-5	16.4	45
39	Surface-induced dissociation of ions produced by matrix-assisted laser desorption/ionization in a fourier transform ion cyclotron resonance mass spectrometer. <i>Analytical Chemistry</i> , 2004 , 76, 351-6	7.8	13
38	Energetics and dynamics of peptide fragmentation from multiple-collision activation and surface-induced dissociation studies. <i>European Journal of Mass Spectrometry</i> , 2004 , 10, 259-67	1.1	25
37	Collisional activation of peptide ions in FT-ICR mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2003 , 22, 158-81	11	173
36	Surface-induced dissociation of peptide ions: kinetics and dynamics. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 1340-7	3.5	70
35	Energetics of selective cleavage at acidic residues studied by time- and energy-resolved surface-induced dissociation in FT-ICR MS. <i>International Journal of Mass Spectrometry</i> , 2003 , 222, 313-327	1.9	43

34	Shattering of Peptide ions on self-assembled monolayer surfaces. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1625-32	16.4	90
33	Energy transfer in collisions of peptide ions with surfaces. <i>Journal of Chemical Physics</i> , 2003 , 119, 3413-3420	3.9	67
32	Entropy Is the Major Driving Force for Fragmentation of Proteins and Protein-Ligand Complexes in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 5836-5839	2.8	26
31	Surface-induced dissociation in a Fourier transform ion cyclotron resonance mass spectrometer: instrument design and evaluation. <i>Analytical Chemistry</i> , 2002 , 74, 3255-61	7.8	96
30	Fragmentation energetics of small peptides from multiple-collision activation and surface-induced dissociation in FT-ICR MS. <i>International Journal of Mass Spectrometry</i> , 2002 , 219, 189-201	1.9	53
29	Dissociation of noncovalent protein complexes by triple quadrupole tandem mass spectrometry: comparison of Monte Carlo simulation and experiment. <i>International Journal of Mass Spectrometry</i> , 2002 , 221, 245-262	1.9	16
28	On the Relative Stability of Singly Protonated des-Arg1- and des-Arg9-Bradykinins. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 9832-9836	2.8	28
27	Relative Proton Affinities from Kinetic Energy Release Distributions for Dissociation of Proton-Bound Dimers. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 12051-12057	2.8	13
26	Surface-Induced Dissociation of the Benzene Molecular Cation in Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 2781-2788	2.8	18
25	On the efficiency of energy transfer in collisional activation of small peptides. <i>Journal of Chemical Physics</i> , 2002 , 116, 4302-4310	3.9	48
24	Kinetic energy release distributions in mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001 , 36, 459-478	2.2	109
23	Comparative Study of Collision-Induced and Surface-Induced Dissociation. 2. Fragmentation of Small Alanine-Containing Peptides in FT-ICR MS. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 1895-1900	3.4	78
22	Internal energy distributions resulting from sustained off-resonance excitation in FTMS. I. Fragmentation of the bromobenzene radical cation. <i>International Journal of Mass Spectrometry</i> , 2000 , 195-196, 285-302	1.9	76
21	The Theoretical Basis of the Kinetic Method from the Point of View of Finite Heat Bath Theory. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 8829-8837	2.8	44
20	Internal Energy Distributions Resulting from Sustained Off-Resonance Excitation in Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. II. Fragmentation of the 1-Bromonaphthalene Radical Cation. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 5484-5494	2.8	69
19	A Comparative Study of Collision-Induced and Surface-Induced Dissociation. 1. Fragmentation of Protonated Dialanine. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9703-9714	16.4	127
18	Mass spectrometric study of unimolecular decompositions of endohedral fullerenes. <i>International Journal of Mass Spectrometry</i> , 1999 , 185-187, 61-73	1.9	26
17	Kinetic energy release for metastable fullerene ions. <i>International Journal of Mass Spectrometry</i> , 1999 , 185-187, 813-823	1.9	36

16	Kinetic energy release distributions and evaporation energies for metastable fullerene ions. <i>Chemical Physics Letters</i> , 1999 , 303, 379-386	2.5	47
15	Kinetic Energy Releases and Electron-Induced Decay of C ₆₀ ²⁺ . <i>European Journal of Mass Spectrometry</i> , 1999 , 5, 477		21
14	An artificial molecule of Ne ₂ inside C ₇₀ . <i>Chemical Physics Letters</i> , 1998 , 285, 7-9	2.5	51
13	An NMR Study of He ₂ Inside C ₇₀ . <i>Journal of the American Chemical Society</i> , 1998 , 120, 6380-6383	16.4	69
12	Mass Spectrometric Studies of Fullerene Ion Beams. <i>Israel Journal of Chemistry</i> , 1997 , 37, 467-474	3.4	2
11	Time-resolved kinetic energy releases for C ₆₀ ⁺ -> C ₅₈ ⁺ + C ₂ . <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 161, L7-L11		16
10	Time-resolved metastable fractions of fullerenes. <i>Chemical Physics Letters</i> , 1997 , 277, 564-570	2.5	25
9	Time-resolved appearance energies for fragment ions from C ₆₀ . <i>Chemical Physics Letters</i> , 1996 , 252, 277-280	2.5	23
8	Kinetic energy releases upon dissociation of endohedral fullerene cations. <i>Chemical Physics Letters</i> , 1995 , 242, 249-252	2.5	38
7	Ion source trapping in conjunction with two sector mass spectrometry: time-resolved CAD. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994 , 133, L11-L14		5
6	Is n = 60 a magic number for C _n clusters or part of a magic shell?. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994 , 138, 95-106		18
5	Time-resolved dissociation of bromonaphthalene ion studied by TPIMS and TRPD. Heat of formation of naphthyl ion. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7402-7406	16.4	21
4	Threshold formation of benzylium (Bz ⁺) and tropylium (Tr ⁺) from toluene. Nonstatistical behavior in Franck-Condon gaps. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 12291-12295		22
3	Metastable fractions in fullerenes. <i>Organic Mass Spectrometry</i> , 1993 , 28, 1001-1003		8
2	Is the tropylium ion (Tr ⁺) formed from toluene at its thermochemical threshold?. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993 , 125, R7-R11		58
1	Is the resilience of C ₆₀ towards decomposition a question of time?. <i>Chemical Physics Letters</i> , 1992 , 200, 406-410	2.5	25