Julia Laskin

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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	Chemistry of atmospheric brown carbon. *Chemical Reviews*, **2015**, 115, 4335-82	68.1	768
284	Mass spectral molecular networking of living microbial colonies. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1743-52	11.5	593
283	Nanospray desorption electrospray ionization: an ambient method for liquid-extraction surface sampling in mass spectrometry. *Analyst, The*, **2010**, 135, 2233-6	5	326
282	Tissue imaging using nanospray desorption electrospray ionization mass spectrometry. *Analytical Chemistry*, **2012**, 84, 141-8	7.8	240
281	Surface characterization of nanomaterials and nanoparticles: Important needs and challenging opportunities. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2013**, 31, 50820	2.9	196
280	Effect of solar radiation on the optical properties and molecular composition of laboratory proxies of atmospheric brown carbon. *Environmental Science & Technology*, **2014**, 48, 10217-26	10.3	189
279	Collisional activation of peptide ions in FT-ICR mass spectrometry. *Mass Spectrometry Reviews*, **2003**, 22, 158-81	11	173
278	Molecular characterization of nitrogen-containing organic compounds in biomass burning aerosols using high-resolution mass spectrometry. *Environmental Science & Technology*, **2009**, 43, 3764-71	10.3	170
277	Activation of large ions in FT-ICR mass spectrometry. *Mass Spectrometry Reviews*, **2005**, 24, 135-67	11	170
276	The human body at cellular resolution: the NIH Human Biomolecular Atlas Program. *Nature*, **2019**, 574, 187-192	50.4	162
275	Formation of nitrogen- and sulfur-containing light-absorbing compounds accelerated by evaporation of water from secondary organic aerosols. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		159
274	Molecular Characterization of Brown Carbon in Biomass Burning Aerosol Particles. *Environmental Science & Technology*, **2016**, 50, 11815-11824	10.3	154
273	Molecular characterization of brown carbon (BrC) chromophores in secondary organic aerosol generated from photo-oxidation of toluene. *Physical Chemistry Chemical Physics*, **2015**, 17, 23312-25	3.6	145
272	High-resolution desorption electrospray ionization mass spectrometry for chemical characterization of organic aerosols. *Analytical Chemistry*, **2010**, 82, 2048-58	7.8	140
271	High-resolution mass spectrometry analysis of secondary organic aerosol generated by ozonolysis of isoprene. *Atmospheric Environment*, **2010**, 44, 1032-1042	5.3	139
270	High-resolution mass spectrometric analysis of secondary organic aerosol produced by ozonation of limonene. *Physical Chemistry Chemical Physics*, **2008**, 10, 1009-22	3.6	139
269	Effect of humidity on the composition of isoprene photooxidation secondary organic aerosol. *Atmospheric Chemistry and Physics*, **2011**, 11, 6931-6944	6.8	137

268	Molecular Chemistry of Atmospheric Brown Carbon Inferred from a Nationwide Biomass Burning Event. *Environmental Science & Technology*, **2017**, 51, 11561-11570	10.3	134
267	Chemical characterization of SOA formed from aqueous-phase reactions of phenols with the triplet excited state of carbonyl and hydroxyl radical. *Atmospheric Chemistry and Physics*, **2014**, 14, 13801-13816	6.8	131
266	A Comparative Study of Collision-Induced and Surface-Induced Dissociation. 1. Fragmentation of Protonated Dialanine. *Journal of the American Chemical Society*, **2000**, 122, 9703-9714	16.4	127
265	Molecular chemistry of organic aerosols through the application of high resolution mass spectrometry. *Physical Chemistry Chemical Physics*, **2011**, 13, 3612-29	3.6	117
264	Ion/surface reactions and ion soft-landing. *Physical Chemistry Chemical Physics*, **2005**, 7, 1490-500	3.6	109
263	Kinetic energy release distributions in mass spectrometry. *Journal of Mass Spectrometry*, **2001**, 36, 459-78	2.2	109
262	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
261	Ambient Mass Spectrometry Imaging Using Direct Liquid Extraction Techniques. *Analytical Chemistry*, **2016**, 88, 52-73	7.8	107
260	Revealing Brown Carbon Chromophores Produced in Reactions of Methylglyoxal with Ammonium Sulfate. *Environmental Science & Technology*, **2015**, 49, 14257-66	10.3	103
259	LungMAP: The Molecular Atlas of Lung Development Program. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 313, L733-L740	5.8	103
258	Molecular characterization of organosulfates in organic aerosols from Shanghai and Los Angeles urban areas by nanospray-desorption electrospray ionization high-resolution mass spectrometry. *Environmental Science & Technology*, **2014**, 48, 10993-1001	10.3	102
257	Soft-landing of peptide ions onto self-assembled monolayer surfaces: an overview. *Physical Chemistry Chemical Physics*, **2008**, 10, 1079-90	3.6	101
256	Molecular characterization of organic aerosols using nanospray-desorption/electrospray ionization-mass spectrometry. *Analytical Chemistry*, **2010**, 82, 7979-86	7.8	96
255	Surface-induced dissociation in a Fourier transform ion cyclotron resonance mass spectrometer: instrument design and evaluation. *Analytical Chemistry*, **2002**, 74, 3255-61	7.8	96
254	Photolytic processing of secondary organic aerosols dissolved in cloud droplets. *Physical Chemistry Chemical Physics*, **2011**, 13, 12199-212	3.6	95
253	Optical properties and aging of light-absorbing secondary organic aerosol. *Atmospheric Chemistry and Physics*, **2016**, 16, 12815-12827	6.8	94
252	Automated platform for high-resolution tissue imaging using nanospray desorption electrospray ionization mass spectrometry. *Analytical Chemistry*, **2012**, 84, 8351-6	7.8	91
251	Excitation-emission spectra and fluorescence quantum yields for fresh and aged biogenic secondary organic aerosols. *Environmental Science & Technology*, **2013**, 47, 5763-70	10.3	91

250	Shattering of Peptide ions on self-assembled monolayer surfaces. *Journal of the American Chemical Society*, **2003**, 125, 1625-32	16.4	90
249	Imaging nicotine in rat brain tissue by use of nanospray desorption electrospray ionization mass spectrometry. *Analytical Chemistry*, **2013**, 85, 882-9	7.8	89
248	Soft landing of complex molecules on surfaces. *Annual Review of Analytical Chemistry*, **2011**, 4, 83-104	12.5	88
247	Time-resolved molecular characterization of limonene/ozone aerosol using high-resolution electrospray ionization mass spectrometry. *Physical Chemistry Chemical Physics*, **2009**, 11, 7931-42	3.6	87
246	Charge-remote fragmentation of odd-electron peptide ions. *Analytical Chemistry*, **2007**, 79, 6607-14	7.8	86
245	Comprehensive Molecular Characterization of Atmospheric Brown Carbon by High Resolution Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization. *Analytical Chemistry*, **2018**, 90, 12493-12502	7.8	86
244	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. *CheM*, **2017**, 2, 655-667	16.2	85
243	Nitrogen-containing organic compounds and oligomers in secondary organic aerosol formed by photooxidation of isoprene. *Environmental Science & Technology*, **2011**, 45, 6908-18	10.3	83
242	Metabolic profiling directly from the Petri dish using nanospray desorption electrospray ionization imaging mass spectrometry. *Analytical Chemistry*, **2013**, 85, 10385-91	7.8	80
241	The effect of solvent on the analysis of secondary organic aerosol using electrospray ionization mass spectrometry. *Environmental Science & Technology*, **2008**, 42, 7341-6	10.3	79
240	Comparative Study of Collision-Induced and Surface-Induced Dissociation. 2. Fragmentation of Small Alanine-Containing Peptides in FT-ICR MS. *Journal of Physical Chemistry B*, **2001**, 105, 1895-1900	3.4	78
239	Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. *Physical Chemistry Chemical Physics*, **2014**, 16, 10629-42	3.6	76
238	Internal energy distributions resulting from sustained off-resonance excitation in FTMS. I. Fragmentation of the bromobenzene radical cation. *International Journal of Mass Spectrometry*, **2000**, 195-196, 285-302	1.9	76
237	Higher-order mass defect analysis for mass spectra of complex organic mixtures. *Analytical Chemistry*, **2011**, 83, 4924-9	7.8	72
236	Reactive landing of peptide ions on self-assembled monolayer surfaces: an alternative approach for covalent immobilization of peptides on surfaces. *Physical Chemistry Chemical Physics*, **2008**, 10, 1512-22	3.6	72
235	Mass spectrometric approaches for chemical characterisation of atmospheric aerosols: critical review of the most recent advances. *Environmental Chemistry*, **2012**, 9, 163	3.2	71
234	Brown carbon formation from ketoaldehydes of biogenic monoterpenest. *Faraday Discussions*, **2013**, 165, 473-94	3.6	71
233	Surface-induced dissociation of peptide ions: kinetics and dynamics. *Journal of the American Society for Mass Spectrometry*, **2003**, 14, 1340-7	3.5	70

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230	An NMR Study of He2Inside C70. *Journal of the American Chemical Society*, **1998**, 120, 6380-6383	16.4	69
229	Shotgun approach for quantitative imaging of phospholipids using nanospray desorption electrospray ionization mass spectrometry. *Analytical Chemistry*, **2014**, 86, 1872-80	7.8	67
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227	Rational design of efficient electrode-electrolyte interfaces for solid-state energy storage using ion soft landing. *Nature Communications*, **2016**, 7, 11399	17.4	66
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