# Julia Laskin

List of Publications by Year
in descending order

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|---|---|---|---|
| 353 papers | 16,777 citations | 13068 68 h-index | 22764 112 g-index |
| 379 all docs | 379 docs citations | 379 times ranked | 12361 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chemistry of Atmospheric Brown Carbon. Chemical Reviews, 2015, 115, 4335-4382. | 23.0 | 1,121 |
| 2 | 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. | 3.3 | 804 |
| 3 | Nanospray desorption electrospray ionization: an ambient method for liquid-extraction surface sampling in mass spectrometry. Analyst, The, 2010, 135, 2233. | 1.7 | 404 |
| 4 | The human body at cellular resolution: the NIH Human Biomolecular Atlas Program. Nature, 2019, 574, 187-192. | 13.7 | 393 |
| 5 | Tissue Imaging Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 141-148. | 3.2 | 278 |
| 6 | Effect of Solar Radiation on the Optical Properties and Molecular Composition of Laboratory Proxies of Atmospheric Brown Carbon. Environmental Science & Technology, 2014, 48, 10217-10226. | 4.6 | 250 |
| 7 | Molecular Characterization of Brown Carbon in Biomass Burning Aerosol Particles. Environmental Science & Technology, 2016, 50, 11815-11824. | 4.6 | 237 |
| 8 | 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. | 0.9 | 227 |
| 9 | Molecular Characterization of Nitrogen-Containing Organic Compounds in Biomass Burning Aerosols Using High-Resolution Mass Spectrometry. Environmental Science & Technology, 2009, 43, 3764-3771. | 4.6 | 219 |
| 10 | Molecular Chemistry of Atmospheric Brown Carbon Inferred from a Nationwide Biomass Burning Event. Environmental Science & Technology, 2017, 51, 11561-11570. | 4.6 | 215 |
| 11 | Molecular characterization of brown carbon (BrC) chromophores in secondary organic aerosol generated from photo-oxidation of toluene. Physical Chemistry Chemical Physics, 2015, 17, 23312-23325. | 1.3 | 210 |
| 12 | Formation of nitrogenâ€•and sulfurâ€•containing lightâ€•absorbing compounds accelerated by evaporation of water from secondary organic aerosols. Journal of Geophysical Research, 2012, 117, . | 3.3 | 189 |
| 13 | 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. | 1.9 | 187 |
| 14 | Activation of large Ions in FT-ICR mass spectrometry. Mass Spectrometry Reviews, 2005, 24, 135-167. | 2.8 | 182 |
| 15 | Collisional activation of peptide ions in FT-ICR mass spectrometry. Mass Spectrometry Reviews, 2003, 22, 158-181. | 2.8 | 178 |
| 16 | High-resolution mass spectrometry analysis of secondary organic aerosol generated by ozonolysis of isoprene. Atmospheric Environment, 2010, 44, 1032-1042. | 1.9 | 167 |
| 17 | Effect of humidity on the composition of isoprene photooxidation secondary organic aerosol. Atmospheric Chemistry and Physics, 2011, 11, 6931-6944. | 1.9 | 167 |
| 18 | High-resolution mass spectrometric analysis of secondary organic aerosol produced by ozonation of limonene. Physical Chemistry Chemical Physics, 2008, 10, 1009-1022. | 1.3 | 166 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | LungMAP: The Molecular Atlas of Lung Development Program. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L733-L740. | 1.3 | 162 |
| 20 | High-Resolution Desorption Electrospray Ionization Mass Spectrometry for Chemical Characterization of Organic Aerosols. Analytical Chemistry, 2010, 82, 2048-2058. | 3.2 | 160 |
| 21 | Optical properties and aging of light-absorbing secondary organic aerosol. Atmospheric Chemistry and Physics, 2016, 16, 12815-12827. | 1.9 | 150 |
| 22 | Revealing Brown Carbon Chromophores Produced in Reactions of Methylglyoxal with Ammonium Sulfate. Environmental Science & Technology, 2015, 49, 14257-14266. | 4.6 | 149 |
| 23 | Comprehensive Molecular Characterization of Atmospheric Brown Carbon by High Resolution Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization. Analytical Chemistry, 2018, 90, 12493-12502. | 3.2 | 148 |
| 24 | Molecular chemistry of organic aerosols through the application of high resolution mass spectrometry. Physical Chemistry Chemical Physics, 2011, 13, 3612. | 1.3 | 147 |
| 25 | Analysis of Organic Anionic Surfactants in Fine and Coarse Fractions of Freshly Emitted Sea Spray Aerosol. Environmental Science & Technology, 2016, 50, 2477-2486. | 4.6 | 143 |
| 26 | 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, 10993-11001. | 4.6 | 138 |
| 27 | Ambient Mass Spectrometry Imaging Using Direct Liquid Extraction Techniques. Analytical Chemistry, 2016, 88, 52-73. | 3.2 | 137 |
| 28 | 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. | 6.6 | 131 |
| 29 | Ion/surface reactions and ion soft-landing. Physical Chemistry Chemical Physics, 2005, 7, 1490. | 1.3 | 125 |
| 30 | High spatial resolution imaging of biological tissues using nanospray desorption electrospray ionization mass spectrometry. Nature Protocols, 2019, 14, 3445-3470. | 5.5 | 125 |
| 31 | Kinetic energy release distributions in mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 459-478. | 0.7 | 121 |
| 32 | Automated Platform for High-Resolution Tissue Imaging Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 8351-8356. | 3.2 | 120 |
| 33 | Excitationâ€“Emission Spectra and Fluorescence Quantum Yields for Fresh and Aged Biogenic Secondary Organic Aerosols. Environmental Science & Technology, 2013, 47, 5763-5770. | 4.6 | 119 |
| 34 | Predicting the glass transition temperature and viscosity of secondary organic material using molecular composition. Atmospheric Chemistry and Physics, 2018, 18, 6331-6351. | 1.9 | 116 |
| 35 | Molecular composition and photochemical lifetimes of brown carbon chromophores in biomass burning organic aerosol. Atmospheric Chemistry and Physics, 2020, 20, 1105-1129. | 1.9 | 115 |
| 36 | Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. CheM, 2017, 2, 655-667. | 5.8 | 111 |

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| 37 | Molecular Characterization of Organic Aerosols Using Nanospray-Desorption/Electrospray Ionization-Mass Spectrometry. Analytical Chemistry, 2010, 82, 7979-7986. | 3.2 | 110 |
| 38 | Photolytic processing of secondary organic aerosols dissolved in cloud droplets. Physical Chemistry Chemical Physics, 2011, 13, 12199. | 1.3 | 110 |
| 39 | Soft-landing of peptide ions onto self-assembled monolayer surfaces: an overview. Physical Chemistry Chemical Physics, 2008, 10, 1079-1090. | 1.3 | 109 |
| 40 | Imaging Nicotine in Rat Brain Tissue by Use of Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2013, 85, 882-889. | 3.2 | 108 |
| 41 | Surface-Induced Dissociation in a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer:Â Instrument Design and Evaluation. Analytical Chemistry, 2002, 74, 3255-3261. | 3.2 | 102 |
| 42 | Metabolic Profiling Directly from the Petri Dish Using Nanospray Desorption Electrospray Ionization Imaging Mass Spectrometry. Analytical Chemistry, 2013, 85, 10385-10391. | 3.2 | 101 |
| 43 | Nitrogen-Containing Organic Compounds and Oligomers in Secondary Organic Aerosol Formed by Photooxidation of Isoprene. Environmental Science & Technology, 2011, 45, 6908-6918. | 4.6 | 100 |
| 44 | Time-resolved molecular characterization of limonene/ozone aerosol using high-resolution electrospray ionization mass spectrometry. Physical Chemistry Chemical Physics, 2009, 11, 7931. | 1.3 | 99 |
| 45 | Soft Landing of Complex Molecules on Surfaces. Annual Review of Analytical Chemistry, 2011, 4, 83-104. | 2.8 | 98 |
| 46 | Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. Physical Chemistry Chemical Physics, 2014, 16, 10629-10642. | 1.3 | 98 |
| 47 | The Effect of Solvent on the Analysis of Secondary Organic Aerosol Using Electrospray Ionization Mass Spectrometry. Environmental Science & Technology, 2008, 42, 7341-7346. | 4.6 | 96 |
| 48 | Shattering of Peptide Ions on Self-Assembled Monolayer Surfaces. Journal of the American Chemical Society, 2003, 125, 1625-1632. | 6.6 | 94 |
| 49 | Molecular Selectivity of Brown Carbon Chromophores. Environmental Science & Technology, 2014, 48, 12047-12055. | 4.6 | 94 |
| 50 | Shotgun Approach for Quantitative Imaging of Phospholipids Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2014, 86, 1872-1880. | 3.2 | 93 |
| 51 | 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. | 1.9 | 92 |
| 52 | Higher-Order Mass Defect Analysis for Mass Spectra of Complex Organic Mixtures. Analytical Chemistry, 2011, 83, 4924-4929. | 3.2 | 91 |
| 53 | Brown carbon formation from ketoaldehydes of biogenic monoterpenes. Faraday Discussions, 2013, 165, 473. | 1.6 | 89 |
| 54 | Charge-Remote Fragmentation of Odd-Electron Peptide Ions. Analytical Chemistry, 2007, 79, 6607-6614. | 3.2 | 88 |

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| 55 | An NMR Study of He2Inside C70. Journal of the American Chemical Society, 1998, 120, 6380-6383. | 6.6 | 87 |
| 56 | Mass Spectrometry Analysis in Atmospheric Chemistry. Analytical Chemistry, 2018, 90, 166-189. | 3.2 | 87 |
| 57 | Rational design of efficient electrodeâ€“electrolyte interfaces for solid-state energy storage using ion soft landing. Nature Communications, 2016, 7, 11399. | 5.8 | 86 |
| 58 | Mass spectrometric approaches for chemical characterisation of atmospheric aerosols: critical review of the most recent advances. Environmental Chemistry, 2012, 9, 163. | 0.7 | 84 |
| 59 | Matrix effects in biological mass spectrometry imaging: identification and compensation. Analyst, The, 2014, 139, 3528. | 1.7 | 84 |
| 60 | 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. | 0.7 | 82 |
| 61 | 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. | 1.2 | 80 |
| 62 | Quantitative Mass Spectrometry Imaging of Biological Systems. Annual Review of Physical Chemistry, 2021, 72, 307-329. | 4.8 | 78 |
| 63 | Effect of viscosity on photodegradation rates in complex secondary organic aerosol materials. Physical Chemistry Chemical Physics, 2016, 18, 8785-8793. | 1.3 | 76 |
| 64 | High Spatial Resolution Imaging of Mouse Pancreatic Islets Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2018, 90, 6548-6555. | 3.2 | 76 |
| 65 | Surface-induced dissociation of peptide ions: Kinetics and dynamics. Journal of the American Society for Mass Spectrometry, 2003, 14, 1340-1347. | 1.2 | 75 |
| 66 | 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. | 1.3 | 75 |
| 67 | From Isolated Ions to Multilayer Functional Materials Using Ion Soft Landing. Angewandte Chemie - International Edition, 2018, 57, 16270-16284. | 7.2 | 75 |
| 68 | Molecular Characterization of Organosulfur Compounds in Biodiesel and Diesel Fuel Secondary Organic Aerosol. Environmental Science & Technology, 2017, 51, 119-127. | 4.6 | 74 |
| 69 | Study of Highly Selective and Efficient Thiol Derivatization Using Selenium Reagents by Mass Spectrometry. Analytical Chemistry, 2010, 82, 6926-6932. | 3.2 | 73 |
| 70 | 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. Journal of Physical Chemistry A, 2000, 104, 5484-5494. | 1.1 | 72 |
| 71 | Energy transfer in collisions of peptide ions with surfaces. Journal of Chemical Physics, 2003, 119, 3413-3420. | 1.2 | 70 |
| 72 | Molecular Characterization of Biomass Burning Aerosols Using High-Resolution Mass Spectrometry. Analytical Chemistry, 2009, 81, 1512-1521. | 3.2 | 70 |

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| 73 | High-Speed Tandem Mass Spectrometric in Situ Imaging by Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2013, 85, 9596-9603. | 3.2 | 69 |
| 74 | Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India. Atmospheric Chemistry and Physics, 2018, 18, 2461-2480. | 1.9 | 69 |
| 75 | Softâ€•and reactive landing of ions onto surfaces: Concepts and applications. Mass Spectrometry Reviews, 2016, 35, 439-479. | 2.8 | 67 |
| 76 | Lipidomics reveals dramatic lipid compositional changes in the maturing postnatal lung. Scientific Reports, 2017, 7, 40555. | 1.6 | 67 |
| 77 | Soft landing of bare nanoparticles with controlled size, composition, and morphology. Nanoscale, 2015, 7, 3491-3503. | 2.8 | 65 |
| 78 | Chemical Characterization of Crude Petroleum Using Nanospray Desorption Electrospray Ionization Coupled with High-Resolution Mass Spectrometry. Analytical Chemistry, 2012, 84, 1517-1525. | 3.2 | 64 |
| 79 | Effect of relative humidity on the composition of secondary organic aerosol from the oxidation of toluene. Atmospheric Chemistry and Physics, 2018, 18, 1643-1652. | 1.9 | 64 |
| 80 | Is the tropylium ion (Tr+) formed from toluene at its thermochemical threshold?. International Journal of Mass Spectrometry and Ion Processes, 1993, 125, R7-R11. | 1.9 | 63 |
| 81 | High-Resolution Mass Spectrometry and Molecular Characterization of Aqueous Photochemistry Products of Common Types of Secondary Organic Aerosols. Journal of Physical Chemistry A, 2015, 119, 2594-2606. | 1.1 | 63 |
| 82 | An artificial molecule of Ne2 inside C70. Chemical Physics Letters, 1998, 285, 7-9. | 1.2 | 62 |
| 83 | Molecular characterization of organic aerosol using nanospray desorption/electrospray ionization mass spectrometry: CalNex 2010 field study. Atmospheric Environment, 2013, 68, 265-272. | 1.9 | 61 |
| 84 | Towards High-Resolution Tissue Imaging Using Nanospray Desorption Electrospray Ionization Mass Spectrometry Coupled to Shear Force Microscopy. Journal of the American Society for Mass Spectrometry, 2018, 29, 316-322. | 1.2 | 61 |
| 85 | Design and Performance of an Instrument for Soft Landing of Biomolecular Ions on Surfaces. Analytical Chemistry, 2007, 79, 6566-6574. | 3.2 | 60 |
| 86 | Helical Peptide Arrays on Selfâ€Assembled Monolayer Surfaces through Soft and Reactive Landing of Massâ€Selected Ions. Angewandte Chemie - International Edition, 2008, 47, 6678-6680. | 7.2 | 60 |
| 87 | Preparation and in Situ Characterization of Surfaces Using Soft Landing in a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. Analytical Chemistry, 2005, 77, 3452-3460. | 3.2 | 59 |
| 88 | Charge Retention by Gold Clusters on Surfaces Prepared Using Soft Landing of Mass Selected Ions. ACS Nano, 2012, 6, 573-582. | 7.3 | 59 |
| 89 | Soft-Landing of Peptides onto Self-Assembled Monolayer Surfacesâ€. Journal of Physical Chemistry A, 2006, 110, 1678-1687. | 1.1 | 58 |
| 90 | Imaging and Analysis of Isomeric Unsaturated Lipids through Online Photochemical Derivatization of Carbonâ€“Carbon Double Bonds**. Angewandte Chemie - International Edition, 2021, 60, 7559-7563. | 7.2 | 58 |

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| 91 | Covalent Immobilization of Peptides on Self-Assembled Monolayer Surfaces Using Soft-Landing of Mass-Selected Ions. Journal of the American Chemical Society, 2007, 129, 8682-8683. | 6.6 | 57 |
| 92 | Constant-Distance Mode Nanospray Desorption Electrospray Ionization Mass Spectrometry Imaging of Biological Samples with Complex Topography. Analytical Chemistry, 2017, 89, 1131-1137. | 3.2 | 57 |
| 93 | Fragmentation energetics of small peptides from multiple-collision activation and surface-induced dissociation in FT-ICR MS. International Journal of Mass Spectrometry, 2002, 219, 189-201. | 0.7 | 56 |
| 94 | Study of Electrochemical Reactions Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 5737-5743. | 3.2 | 56 |
| 95 | High-Resolution Electrospray Ionization Mass Spectrometry Analysis of Water-Soluble Organic Aerosols Collected with a Particle into Liquid Sampler. Analytical Chemistry, 2010, 82, 8010-8016. | 3.2 | 55 |
| 96 | Aqueous Processing of Atmospheric Organic Particles in Cloud Water Collected via Aircraft Sampling. Environmental Science & Technology, 2015, 49, 8523-8530. | 4.6 | 55 |
| 97 | Photochemistry of Products of the Aqueous Reaction of Methylglyoxal with Ammonium Sulfate. ACS Earth and Space Chemistry, 2017, 1, 522-532. | 1.2 | 55 |
| 98 | Quantitative Extraction and Mass Spectrometry Analysis at a Single-Cell Level. Analytical Chemistry, 2018, 90, 7937-7945. | 3.2 | 54 |
| 99 | Design of a shear-thinning recoverable peptide hydrogel from native sequences and application for influenza H1N1 vaccine adjuvant. Soft Matter, 2011, 7, 8905. | 1.2 | 53 |
| 100 | Energetics and Dynamics of Fragmentation of Protonated Leucine Enkephalin from Time- and Energy-Resolved Surface-Induced Dissociation Studiesâ€. Journal of Physical Chemistry A, 2006, 110, 8554-8562. | 1.1 | 52 |
| 101 | Is Dissociation of Peptide Radical Cations an Ergodic Process?. Journal of the American Chemical Society, 2007, 129, 9598-9599. | 6.6 | 52 |
| 102 | Chemical Analysis of Complex Organic Mixtures Using Reactive Nanospray Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 7179-7187. | 3.2 | 52 |
| 103 | Kinetic energy release distributions and evaporation energies for metastable fullerene ions. Chemical Physics Letters, 1999, 303, 379-386. | 1.2 | 51 |
| 104 | On the efficiency of energy transfer in collisional activation of small peptides. Journal of Chemical Physics, 2002, 116, 4302-4310. | 1.2 | 51 |
| 105 | Isolation, Characterization of an Intermediate in an Oxygen Atom-Transfer Reaction, and the Determination of the Bond Dissociation Energy. Journal of the American Chemical Society, 2004, 126, 8604-8605. | 6.6 | 51 |
| 106 | Fragmentation ofÎ±-radical cations of arginine-containing peptides. Journal of the American Society for Mass Spectrometry, 2010, 21, 511-521. | 1.2 | 51 |
| 107 | Aqueous Photochemistry of Secondary Organic Aerosol of Î±-Pinene and Î±-Humulene Oxidized with Ozone, Hydroxyl Radical, and Nitrate Radical. Journal of Physical Chemistry A, 2017, 121, 1298-1309. | 1.1 | 51 |
| 108 | Energetics and Dynamics of Electron Transfer and Proton Transfer in Dissociation of MetalIII(salen)â^'Peptide Complexes in the Gas Phase. Journal of the American Chemical Society, 2008, 130, 3218-3230. | 6.6 | 50 |

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| 109 | The Theoretical Basis of the Kinetic Method from the Point of View of Finite Heat Bath Theory. Journal of Physical Chemistry A, 2000, 104, 8829-8837. | 1.1 | 49 |
| 110 | Fragmentation energetics for angiotensin II and its analogs from time- and energy-resolved surface-induced dissociation studies. International Journal of Mass Spectrometry, 2004, 234, 89-99. | 0.7 | 49 |
| 111 | Monodisperse Au<sub>11</sub> Clusters Prepared by Soft Landing of Mass Selected Ions. Analytical Chemistry, 2011, 83, 8069-8072. | 3.2 | 49 |
| 112 | Spatially resolved analysis of glycolipids and metabolites in living Synechococcus sp. PCC 7002 using nanospray desorption electrospray ionization. Analyst, The, 2013, 138, 1971. | 1.7 | 48 |
| 113 | Three-dimensional imaging of lipids and metabolites in tissues by nanospray desorption electrospray ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 2063-2071. | 1.9 | 47 |
| 114 | Understanding ligand effects in gold clusters using mass spectrometry. Analyst, The, 2016, 141, 3573-3589. | 1.7 | 47 |
| 115 | Energetics of selective cleavage at acidic residues studied by time- and energy-resolved surface-induced dissociation in FT-ICR MS. International Journal of Mass Spectrometry, 2003, 222, 313-327. | 0.7 | 45 |
| 116 | Case Study of Water-Soluble Metal Containing Organic Constituents of Biomass Burning Aerosol. Environmental Science & Technology, 2011, 45, 1257-1263. | 4.6 | 44 |
| 117 | Applications of High-Resolution Electrospray Ionization Mass Spectrometry to Measurements of Average Oxygen to Carbon Ratios in Secondary Organic Aerosols. Environmental Science & Technology, 2012, 46, 8315-8324. | 4.6 | 44 |
| 118 | Design and performance of a high-flux electrospray ionization source for ion soft landing. Analyst, The, 2015, 140, 2957-2963. | 1.7 | 44 |
| 119 | Lipid Coverage in Nanospray Desorption Electrospray Ionization Mass Spectrometry Imaging of Mouse Lung Tissues. Analytical Chemistry, 2019, 91, 11629-11635. | 3.2 | 44 |
| 120 | Kinetic energy releases upon dissociation of endohedral fullerene cations. Chemical Physics Letters, 1995, 242, 249-252. | 1.2 | 43 |
| 121 | Self-organizing layers from complex molecular anions. Nature Communications, 2018, 9, 1889. | 5.8 | 43 |
| 122 | Coverage-Dependent Charge Reduction of Cationic Gold Clusters on Surfaces Prepared Using Soft Landing of Mass-Selected Ions. Journal of Physical Chemistry C, 2012, 116, 24977-24986. | 1.5 | 42 |
| 123 | Fragmentation Energetics of Clusters Relevant to Atmospheric New Particle Formation. Journal of the American Chemical Society, 2013, 135, 3276-3285. | 6.6 | 42 |
| 124 | First Observation of Charge Reduction and Desorption Kinetics of Multiply Protonated Peptides Soft Landed onto Self-Assembled Monolayer Surfaces. Journal of Physical Chemistry C, 2007, 111, 18220-18225. | 1.5 | 41 |
| 125 | New mass spectrometry techniques for studying physical chemistry of atmospheric heterogeneous processes. International Reviews in Physical Chemistry, 2013, 32, 128-170. | 0.9 | 41 |
| 126 | Molecular characterization of Sâ€•and Nâ€containing organic constituents in ambient aerosols by negative ion mode highâ€resolution Nanospray Desorption Electrospray Ionization Mass Spectrometry: CalNex 2010 field study. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,706. | 1.2 | 41 |

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|---|---|---|---|
| 127 | Formation of Peptide Radical Ions through Dissociative Electron Transfer in Ternary Metalâ€"Ligandâ€"Peptide Complexes. European Journal of Mass Spectrometry, 2011, 17, 543-556. | 0.5 | 40 |
| 128 | In Situ Reactivity and TOF-SIMS Analysis of Surfaces Prepared by Soft and Reactive Landing of Mass-Selected Ions. Analytical Chemistry, 2010, 82, 5718-5727. | 3.2 | 39 |
| 129 | In situ Studies of Soft- and Reactive Landing of Mass-Selected Ions Using Infrared Reflection Absorption Spectroscopy. Analytical Chemistry, 2009, 81, 7302-7308. | 3.2 | 38 |
| 130 | Direct aqueous photochemistry of isoprene high-NOx secondary organic aerosol. Physical Chemistry Chemical Physics, 2012, 14, 9702. | 1.3 | 38 |
| 131 | Kinetic energy release for metastable fullerene ions. International Journal of Mass Spectrometry, 1999, 185-187, 813-823. | 0.7 | 37 |
| 132 | IonCCDâ„¢ for Direct Position-Sensitive Charged-Particle Detection: from Electrons and keV Ions to Hyperthermal Biomolecular Ions. Journal of the American Society for Mass Spectrometry, 2011, 22, 612-623. | 1.2 | 36 |
| 133 | Peptide Radical Cations. , 2006, , 301-335. | | 35 |
| 134 | Charge retention by peptide ions soft-landed onto self-assembled monolayer surfaces. International Journal of Mass Spectrometry, 2007, 265, 237-243. | 0.7 | 35 |
| 135 | Preparation of Surface Organometallic Catalysts by Gasâ€Phase Ligand Stripping and Reactive Landing of Massâ€Selected Ions. Chemistry - A European Journal, 2010, 16, 14433-14438. | 1.7 | 35 |
| 136 | Soft-Landing of Co<sup>III</sup>(salen)<sup>+</sup> and Mn<sup>III</sup>(salen)<sup>+</sup> on Self-Assembled Monolayer Surfaces. Journal of Physical Chemistry C, 2010, 114, 5305-5311. | 1.5 | 35 |
| 137 | Redox chemistry in thin layers of organometallic complexes prepared using ion soft landing. Physical Chemistry Chemical Physics, 2011, 13, 267-275. | 1.3 | 34 |
| 138 | Size-dependent stability toward dissociation and ligand binding energies of phosphine ligated gold cluster ions. Chemical Science, 2014, 5, 3275. | 3.7 | 34 |
| 139 | Polyoxometalateâ€Graphene Nanocomposite Modified Electrode for Electrocatalytic Detection of Ascorbic Acid. Electroanalysis, 2014, 26, 178-183. | 1.5 | 34 |
| 140 | Controlling the Charge State and Redox Properties of Supported Polyoxometalates via Soft Landing of Mass-Selected Ions. Journal of Physical Chemistry C, 2014, 118, 27611-27622. | 1.5 | 32 |
| 141 | Soft landing of bare PtRu nanoparticles for electrochemical reduction of oxygen. Nanoscale, 2015, 7, 12379-12391. | 2.8 | 32 |
| 142 | Design and Performance of a Dual-Polarity Instrument for Ion Soft Landing. Analytical Chemistry, 2019, 91, 5904-5912. | 3.2 | 32 |
| 143 | Formation, Isomerization, and Dissociation of Î±-Carbon-Centered and Ï€-Centered Glycylglycyltryptophan Radical Cations. Journal of Physical Chemistry B, 2010, 114, 2270-2280. | 1.2 | 31 |
| 144 | Soft Landing of Complex Ions for Studies in Catalysis and Energy Storage. Journal of Physical Chemistry C, 2016, 120, 23305-23322. | 1.5 | 31 |

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| 145 | Ligand induced structural isomerism in phosphine coordinated gold clusters revealed by ion mobility mass spectrometry. Chemical Communications, 2017, 53, 7389-7392. | 2.2 | 31 |
| 146 | High-resolution imaging and identification of biomolecules using Nano-DESI coupled to ion mobility spectrometry. Analytica Chimica Acta, 2021, 1186, 339085. | 2.6 | 31 |
| 147 | Time-resolved metastable fractions of fullerenes. Chemical Physics Letters, 1997, 277, 564-570. | 1.2 | 30 |
| 148 | Atmospheric Oxidation of Squalene: Molecular Study Using COBRA Modeling and High-Resolution Mass Spectrometry. Environmental Science & Technology, 2015, 49, 13304-13313. | 4.6 | 30 |
| 149 | Dynamics of Protonated Peptide Ion Collisions with Organic Surfaces: Consonance of Simulation and Experiment. Journal of Physical Chemistry Letters, 2016, 7, 3142-3150. | 2.1 | 30 |
| 150 | On the Relative Stability of Singly Protonated des-Arg1- and des-Arg9-Bradykininsâ€. Journal of Physical Chemistry A, 2002, 106, 9832-9836. | 1.1 | 29 |
| 151 | Mechanisms of peptide fragmentation from time- and energy-resolved surface-induced dissociation studies: Dissociation of angiotensin analogs. International Journal of Mass Spectrometry, 2006, 249-250, 462-472. | 0.7 | 29 |
| 152 | Effect of the surface on charge reduction and desorption kinetics of soft landed peptide ions. Journal of the American Society for Mass Spectrometry, 2009, 20, 901-906. | 1.2 | 29 |
| 153 | Controlling the Activity and Stability of Electrochemical Interfaces Using Atom-by-Atom Metal Substitution of Redox Species. ACS Nano, 2019, 13, 458-466. | 7.3 | 29 |
| 154 | Time-resolved appearance energies for fragment ions from C60. Chemical Physics Letters, 1996, 252, 277-280. | 1.2 | 28 |
| 155 | Energetics and Dynamics of Peptide Fragmentation from Multiple-Collision Activation and Surface-Induced Dissociation Studies. European Journal of Mass Spectrometry, 2004, 10, 259-267. | 0.5 | 28 |
| 156 | Is the resilience of C+60 towards decomposition a question of time?. Chemical Physics Letters, 1992, 200, 406-410. | 1.2 | 27 |
| 157 | Threshold formation of benzylium (Bz+) and tropylium (Tr+) from toluene. Nonstatistical behavior in Franck-Condon gaps. The Journal of Physical Chemistry, 1993, 97, 12291-12295. | 2.9 | 27 |
| 158 | Mass spectrometric study of unimolecular decompositions of endohedral fullerenes. International Journal of Mass Spectrometry, 1999, 185-187, 61-73. | 0.7 | 27 |
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