

Murray V Johnston

List of Publications by Year in descending order

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128
papers

6,751
citations

57631

44
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76769

74
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139
all docs

139
docs citations

139
times ranked

4536
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Direct Observations of Atmospheric Aerosol Nucleation. <i>Science</i> , 2013, 339, 943-946. | 6.0 | 876 |
| 2 | Formation of Oligomers in Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2004, 38, 1428-1434. | 4.6 | 494 |
| 3 | Measurement and numerical simulation of soot particle size distribution functions in a laminar premixed ethylene-oxygen-argon flame. <i>Combustion and Flame</i> , 2003, 133, 173-188. | 2.8 | 230 |
| 4 | Analysis of Soot Nanoparticles in a Laminar Premixed Ethylene Flame by Scanning Mobility Particle Sizer. <i>Aerosol Science and Technology</i> , 2003, 37, 611-620. | 1.5 | 182 |
| 5 | Chemical species associated with the early stage of soot growth in a laminar premixed ethylene-oxygen-argon flame. <i>Combustion and Flame</i> , 2005, 142, 364-373. | 2.8 | 167 |
| 6 | Oligomers in the Early Stage of Biogenic Secondary Organic Aerosol Formation and Growth. <i>Environmental Science & Technology</i> , 2007, 41, 6129-6136. | 4.6 | 147 |
| 7 | Aerosol mass spectrometry: An introductory review. <i>International Journal of Mass Spectrometry</i> , 2006, 258, 2-12. | 0.7 | 136 |
| 8 | On-Line Analysis of Organic Components in Fine and Ultrafine Particles by Photoionization Aerosol Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 253-261. | 3.2 | 117 |
| 9 | Sampling and analysis of individual particles by aerosol mass spectrometry. , 2000, 35, 585-595. | | 115 |
| 10 | Composition Domains in Monoterpene Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2009, 43, 7797-7802. | 4.6 | 105 |
| 11 | Chemical Characterization of Individual, Airborne Sub-10-nm Particles and Molecules. <i>Analytical Chemistry</i> , 2006, 78, 1750-1754. | 3.2 | 98 |
| 12 | A comparison of particle mass spectrometers during the 1999 Atlanta Supersite Project. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 90 |
| 13 | Oligomer Content of α -Pinene Secondary Organic Aerosol. <i>Aerosol Science and Technology</i> , 2011, 45, 37-45. | 1.5 | 90 |
| 14 | Size and Composition Biases on the Detection of Individual Ultrafine Particles by Aerosol Mass Spectrometry. <i>Environmental Science & Technology</i> , 2000, 34, 4887-4893. | 4.6 | 89 |
| 15 | Molecular Composition of Monoterpene Secondary Organic Aerosol at Low Mass Loading. <i>Environmental Science & Technology</i> , 2010, 44, 7897-7902. | 4.6 | 87 |
| 16 | Deliquescence Behavior of Multicomponent Aerosols. <i>Journal of Physical Chemistry A</i> , 1998, 102, 173-180. | 1.1 | 84 |
| 17 | Application of the ART-2a Algorithm to Laser Ablation Aerosol Mass Spectrometry of Particle Standards. <i>Analytical Chemistry</i> , 2001, 73, 2338-2344. | 3.2 | 81 |
| 18 | New Particle Formation and Growth in the Troposphere. <i>Analytical Chemistry</i> , 2010, 82, 7871-7878. | 3.2 | 80 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Simultaneous detection of ions and neutrals produced by matrix-assisted laser desorption. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 569-575. | 0.7 | 79 |
| 20 | Source characterization and identification by real-time single particle mass spectrometry. <i>Atmospheric Environment</i> , 2007, 41, 9397-9409. | 1.9 | 76 |
| 21 | Chemistry of Particle Inception and Growth during α -Pinene Ozonolysis. <i>Environmental Science & Technology</i> , 2006, 40, 1843-1848. | 4.6 | 72 |
| 22 | Reactive Uptake of Nitric Acid onto Sodium Chloride Aerosols Across a Wide Range of Relative Humidities. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7614-7620. | 1.1 | 72 |
| 23 | Quantitative Assessment of the Sulfuric Acid Contribution to New Particle Growth. <i>Environmental Science & Technology</i> , 2012, 46, 4365-4373. | 4.6 | 71 |
| 24 | Quantitation of Ionic Species in Single Microdroplets by Online Laser Desorption/Ionization. <i>Analytical Chemistry</i> , 1994, 66, 3681-3687. | 3.2 | 68 |
| 25 | Single particle chemical analysis of ambient ultrafine aerosol: A review. <i>Journal of Aerosol Science</i> , 2012, 52, 109-120. | 1.8 | 68 |
| 26 | Oligomer Formation Pathways in Secondary Organic Aerosol from MS and MS/MS Measurements with High Mass Accuracy and Resolving Power. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1097-1108. | 1.2 | 68 |
| 27 | Formation and Growth of Molecular Clusters Containing Sulfuric Acid, Water, Ammonia, and Dimethylamine. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5464-5473. | 1.1 | 67 |
| 28 | Reactive Uptake of Trimethylamine into Ammonium Nitrate Particles. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4840-4843. | 1.1 | 65 |
| 29 | Structure and Energetics of Nanometer Size Clusters of Sulfuric Acid with Ammonia and Dimethylamine. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1030-1040. | 1.1 | 65 |
| 30 | Ion formation mechanism in laser desorption ionization of individual nanoparticles. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 389-399. | 1.2 | 63 |
| 31 | Real-Time Monitoring of the Surface and Total Composition of Aerosol Particles. <i>Aerosol Science and Technology</i> , 1997, 26, 291-300. | 1.5 | 62 |
| 32 | Protein Characterization by On-Line Capillary Isoelectric Focusing, Reversed-Phase Liquid Chromatography, and Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 2734-2740. | 3.2 | 62 |
| 33 | Size-Dependent Reactions of Ammonium Bisulfate Clusters with Dimethylamine. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11638-11644. | 1.1 | 62 |
| 34 | Mass Spectrometry of Individual Particles between 50 and 750 nm in Diameter at the Baltimore Supersite. <i>Environmental Science & Technology</i> , 2003, 37, 3268-3274. | 4.6 | 61 |
| 35 | A seasonal observation on the distribution of engineered nanoparticles in municipal wastewater treatment systems exemplified by TiO ₂ and ZnO. <i>Science of the Total Environment</i> , 2018, 625, 1321-1329. | 3.9 | 61 |
| 36 | Size-resolved ultrafine particle composition analysis 2. Houston. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 60 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Airborne nanoparticle characterization with a digital ion trap—reflectron time of flight mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2006, 258, 50-57. | 0.7 | 58 |
| 38 | On-line analysis of aqueous aerosols by laser desorption ionization. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 163, 29-37. | 1.9 | 57 |
| 39 | Matrix-Assisted Laser Desorption/Ionization of Size- and Composition-Selected Aerosol Particles. <i>Analytical Chemistry</i> , 1996, 68, 3595-3601. | 3.2 | 53 |
| 40 | Laser desorption/ionization of ultrafine aerosol particles. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 993-996. | 0.7 | 53 |
| 41 | Reactive Uptake of Nitric Acid into Aqueous Sodium Chloride Droplets Using Real-Time Single-Particle Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2659-2665. | 1.1 | 53 |
| 42 | Number concentrations of fine and ultrafine particles containing metals. <i>Atmospheric Environment</i> , 2004, 38, 3263-3273. | 1.9 | 50 |
| 43 | Nanoparticle Chemical Composition During New Particle Formation. <i>Aerosol Science and Technology</i> , 2011, 45, 1041-1048. | 1.5 | 50 |
| 44 | Silicon is a Frequent Component of Atmospheric Nanoparticles. <i>Environmental Science & Technology</i> , 2014, 48, 11137-11145. | 4.6 | 50 |
| 45 | Oligonucleotide Sequence and Composition Determined by Matrix-Assisted Laser Desorption/Ionization. <i>Analytical Chemistry</i> , 1996, 68, 2141-2146. | 3.2 | 49 |
| 46 | Characterization of Highly Oxidized Molecules in Fresh and Aged Biogenic Secondary Organic Aerosol. <i>Analytical Chemistry</i> , 2016, 88, 4495-4501. | 3.2 | 48 |
| 47 | What Have We Learned from Highly Time-Resolved Measurements during EPA's Supersites Program and Related Studies?. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 303-319. | 0.9 | 45 |
| 48 | Thermodynamics of oligomer formation: implications for secondary organic aerosol formation and reactivity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6935. | 1.3 | 45 |
| 49 | Sulfur speciation in individual aerosol particles. <i>Journal of Geophysical Research</i> , 1996, 101, 18701-18707. | 3.3 | 44 |
| 50 | Speciation of size-resolved individual ultrafine particles in Pittsburgh, Pennsylvania. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 43 |
| 51 | Fragmentation Energetics of Clusters Relevant to Atmospheric New Particle Formation. <i>Journal of the American Chemical Society</i> , 2013, 135, 3276-3285. | 6.6 | 42 |
| 52 | Nanoparticle Detection by Aerosol Mass Spectrometry. <i>Aerosol Science and Technology</i> , 2001, 34, 520-527. | 1.5 | 41 |
| 53 | Intact Protein Profiling of <i>Chlorobium tepidum</i> by Capillary Isoelectric Focusing, Reversed-Phase Liquid Chromatography, and Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 7145-7153. | 3.2 | 41 |
| 54 | Aerosol Formation from OH Oxidation of the Volatile Cyclic Methyl Siloxane (cVMS) Decamethylcyclopentasiloxane. <i>Environmental Science & Technology</i> , 2017, 51, 4445-4451. | 4.6 | 41 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Thermogravimetry-Photoionization Mass Spectrometry of Different Rank Coals. <i>Energy & Fuels</i> , 1999, 13, 1097-1104. | 2.5 | 40 |
| 56 | Size-resolved fine and ultrafine particle composition in Baltimore, Maryland. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 40 |
| 57 | Identification of sources of atmospheric PM at the Pittsburgh Supersite, Part I: Single particle analysis and filter-based positive matrix factorization. <i>Atmospheric Environment</i> , 2006, 40, 411-423. | 1.9 | 40 |
| 58 | Ion mobility spectrometry-mass spectrometry examination of the structures, stabilities, and extents of hydration of dimethylamine-sulfuric acid clusters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22962-22972. | 1.3 | 40 |
| 59 | Identification of sources of atmospheric PM at the Pittsburgh Supersite-Part II: Quantitative comparisons of single particle, particle number, and particle mass measurements. <i>Atmospheric Environment</i> , 2006, 40, 424-444. | 1.9 | 38 |
| 60 | Looking for engineered nanoparticles (ENPs) in wastewater treatment systems: Qualification and quantification aspects. <i>Science of the Total Environment</i> , 2017, 590-591, 809-817. | 3.9 | 36 |
| 61 | Ultrafine nitrate particle events in Baltimore observed by real-time single particle mass spectrometry. <i>Atmospheric Environment</i> , 2004, 38, 3215-3223. | 1.9 | 35 |
| 62 | Interactions between boreal wildfire and urban emissions. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 35 |
| 63 | Time-Resolved Chemical Composition of Individual Nanoparticles in Urban Air. <i>Environmental Science & Technology</i> , 2008, 42, 6631-6636. | 4.6 | 35 |
| 64 | Bond-selective photodissociation of aliphatic disulfides. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 872-876. | 1.2 | 34 |
| 65 | Generating protein sequence tags by combining cone and conventional collision induced dissociation in a quadrupole time-of-flight mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1478-1486. | 1.2 | 34 |
| 66 | Mechanisms of Atmospherically Relevant Cluster Growth. <i>Accounts of Chemical Research</i> , 2017, 50, 1965-1975. | 7.6 | 34 |
| 67 | Droplet Assisted Inlet Ionization for Online Analysis of Airborne Nanoparticles. <i>Analytical Chemistry</i> , 2017, 89, 1059-1062. | 3.2 | 33 |
| 68 | Protein profiling by capillary isoelectric focusing, reversed-phase liquid chromatography, and mass spectrometry. <i>Electrophoresis</i> , 2005, 26, 1383-1388. | 1.3 | 32 |
| 69 | Determination of Polymer Type and Comonomer Content in Polyethylenes by Pyrolysis-Photoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 866-872. | 3.2 | 31 |
| 70 | Reactivity of methanesulfonic acid salt clusters relevant to marine air. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 31 |
| 71 | Quantitative and time-resolved nanoparticle composition measurements during new particle formation. <i>Faraday Discussions</i> , 2013, 165, 25. | 1.6 | 31 |
| 72 | Molecular constraints on particle growth during new particle formation. <i>Geophysical Research Letters</i> , 2014, 41, 6045-6054. | 1.5 | 30 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Molecular Characterization of Atmospheric Organic Aerosol by Mass Spectrometry. <i>Annual Review of Analytical Chemistry</i> , 2019, 12, 247-274. | 2.8 | 30 |
| 74 | Ultrafine Particles Near a Roadway Intersection: Origin and Apportionment of Fast Changes in Concentration. <i>Environmental Science & Technology</i> , 2010, 44, 7903-7907. | 4.6 | 28 |
| 75 | The Thermal-Stability of Oligomers in Alpha-Pinene Secondary Organic Aerosol. <i>Aerosol Science and Technology</i> , 2012, 46, 983-989. | 1.5 | 28 |
| 76 | Rapid Sampling of Individual Organic Aerosol Species in Ambient Air with the Photoionization Aerosol Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2008, 42, 18-27. | 1.5 | 27 |
| 77 | Composition and Microstructure of Acrylonitrile-Butadiene Copolymers by Pyrolysis-Photoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 3791-3795. | 3.2 | 26 |
| 78 | Elemental Composition of Nanoparticles with the Nano Aerosol Mass Spectrometer. <i>Analytical Chemistry</i> , 2010, 82, 8034-8038. | 3.2 | 26 |
| 79 | Nanoparticle growth by particle-phase chemistry. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1895-1907. | 1.9 | 26 |
| 80 | Molecular Transformations Accompanying the Aging of Laboratory Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2013, 47, 2230-2237. | 4.6 | 24 |
| 81 | High Sensitivity Analysis of Nanoliter Volumes of Volatile and Nonvolatile Compounds using Matrix Assisted Ionization (MAL) Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1590-1596. | 1.2 | 24 |
| 82 | Apportionment of Motor Vehicle Emissions from Fast Changes in Number Concentration and Chemical Composition of Ultrafine Particles Near a Roadway Intersection. <i>Environmental Science & Technology</i> , 2011, 45, 5637-5643. | 4.6 | 23 |
| 83 | Trapping charged nanoparticles in the nano aerosol mass spectrometer (NAMS). <i>International Journal of Mass Spectrometry</i> , 2012, 311, 64-71. | 0.7 | 23 |
| 84 | Sulfur Dioxide Modifies Aerosol Particle Formation and Growth by Ozonolysis of Monoterpenes and Isoprene. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4800-4811. | 1.2 | 23 |
| 85 | Enhancing the Detection of Sulfate Particles for Laser Ablation Aerosol Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 5365-5369. | 3.2 | 22 |
| 86 | Organic aerosol source apportionment from highly time-resolved molecular composition measurements. <i>Atmospheric Environment</i> , 2009, 43, 2901-2910. | 1.9 | 22 |
| 87 | Online Characterization of Particles and Gases with an Ambient Electrospray Ionization Source. <i>Analytical Chemistry</i> , 2012, 84, 9253-9258. | 3.2 | 22 |
| 88 | Detection of Negative Ions from Individual Ultrafine Particles. <i>Analytical Chemistry</i> , 2002, 74, 2092-2096. | 3.2 | 21 |
| 89 | The character of single particle sulfate in Baltimore. <i>Atmospheric Environment</i> , 2004, 38, 5311-5320. | 1.9 | 21 |
| 90 | Nanoparticle chemical composition and diurnal dependence at the CalNex Los Angeles ground site. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 21 |

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|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Molecular Characterization of Secondary Aerosol from Oxidation of Cyclic Methylsiloxanes. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 402-409. | 1.2 | 21 |
| 92 | Particle size dependence of biogenic secondary organic aerosol molecular composition. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7593-7603. | 1.9 | 21 |
| 93 | Nanoparticle Mass Spectrometry: Pushing the Limit of Single Particle Analysis. <i>Applied Spectroscopy</i> , 2006, 60, 264A-272A. | 1.2 | 20 |
| 94 | Activation Barriers in the Growth of Molecular Clusters Derived from Sulfuric Acid and Ammonia. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11547-11554. | 1.1 | 19 |
| 95 | Microstructures of Butadiene Copolymers Determined by Ozonolysis/MALDI Mass Spectrometry. <i>Macromolecules</i> , 2000, 33, 1664-1670. | 2.2 | 17 |
| 96 | Aqueous Reaction of Dicarbonyls with Ammonia as a Potential Source of Organic Nitrogen in Airborne Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3720-3727. | 1.1 | 16 |
| 97 | Chemical Composition of Ambient Nanoparticles on a Particle-by-Particle Basis. <i>Analytical Chemistry</i> , 2012, 84, 2253-2259. | 3.2 | 15 |
| 98 | Ion formation in droplet-assisted ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8227. | 0.7 | 14 |
| 99 | Unimolecular photochemistry of n-alkenes studied by photodissociation-photoionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 65-72. | 1.2 | 13 |
| 100 | Temperature effects on sulfuric acid aerosol nucleation and growth: initial results from the TANGENT study. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8915-8929. | 1.9 | 13 |
| 101 | Reaction Kinetics of Organic Aerosol Studied by Droplet Assisted Ionization: Enhanced Reactivity in Droplets Relative to Bulk Solution. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 46-54. | 1.2 | 13 |
| 102 | Identification of single stranded regions of DNA by enzymatic digestion with matrix-assisted laser desorption/ionization analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 521-528. | 1.2 | 12 |
| 103 | Characterizing DNA photo-oxidation reactions by high-resolution mass measurements with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. , 2000, 35, 408-416. | | 12 |
| 104 | Growth of Aitken mode ammonium sulfate particles by α -pinene ozonolysis. <i>Aerosol Science and Technology</i> , 2019, 53, 406-418. | 1.5 | 12 |
| 105 | Structural identification of alkene isomers by photodissociation-photoionization mass spectrometry. <i>Organic Mass Spectrometry</i> , 1992, 27, 949-954. | 1.3 | 11 |
| 106 | Growth of Ammonium Bisulfate Clusters by Adsorption of Oxygenated Organic Molecules. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11191-11198. | 1.1 | 11 |
| 107 | Abiotic formation of RNA-like oligomers by montmorillonite catalysis: part II. <i>International Journal of Astrobiology</i> , 2008, 7, 1-7. | 0.9 | 10 |
| 108 | A Study of Deuterium Distribution in Deuterated Polyolefins by Pyrolysis-Photoionization Mass Spectrometry. <i>Macromolecules</i> , 2000, 33, 5388-5394. | 2.2 | 9 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Origin and impact of particle-to-particle variations in composition measurements with the nano-aerosol mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6995-7003. | 1.9 | 9 |
| 110 | Pyrolysis-photoionization mass spectrometry of ethylene-methyl acrylate copolymers. <i>Journal of Analytical and Applied Pyrolysis</i> , 2002, 64, 305-312. | 2.6 | 8 |
| 111 | Contemporary Moral Problems in Chemistry: Effect of Peer Presentations on Students' Awareness of Science and Society Issues. <i>Journal of Chemical Education</i> , 2005, 82, 1570. | 1.1 | 8 |
| 112 | Characterization of Short-Term Particulate Matter Events by Real-Time Single Particle Mass Spectrometry. <i>Aerosol Science and Technology</i> , 2006, 40, 873-882. | 1.5 | 8 |
| 113 | Online deposition of nano-aerosol for matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3963-3968. | 0.7 | 8 |
| 114 | An IT-TOF mass spectrometer for the analysis of organic aerosol. <i>International Journal of Mass Spectrometry</i> , 2009, 281, 8-14. | 0.7 | 8 |
| 115 | Online Characterization of Organic Aerosol by Condensational Growth into Aqueous Droplets Coupled with Droplet-Assisted Ionization. <i>Analytical Chemistry</i> , 2021, 93, 2793-2801. | 3.2 | 8 |
| 116 | Senior Seminar Focusing on Societal Issues Related to Chemistry and Biochemistry. <i>Journal of Chemical Education</i> , 2000, 77, 1590. | 1.1 | 7 |
| 117 | Extratropical waves transport boreal wildfire emissions and drive regional air quality dynamics. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 7 |
| 118 | Particle size and chemical composition effects on elemental analysis with the nano aerosol mass spectrometer. <i>Aerosol Science and Technology</i> , 2017, 51, 1135-1143. | 1.5 | 7 |
| 119 | Ion Formation from Rapidly Heated Aqueous Droplets by Droplet-Assisted Ionization. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7313-7321. | 1.1 | 5 |
| 120 | Laser desorption/ionization of ultrafine aerosol particles. , 1997, 11, 993. | | 1 |
| 121 | Selective detection and characterization of nanoparticles from motor vehicles. <i>Research Report (health Effects Institute)</i> , 2013, , 3-45. | 1.6 | 1 |
| 122 | Coating ambient particles for enhanced detection by mass spectrometry. <i>AIP Conference Proceedings</i> , 2000, , . | 0.3 | 0 |
| 123 | Identification and quantification of particle growth channels during new particle formation. , 2013, , . | | 0 |
| 124 | Fragmentation and growth energetics of clusters relevant to new particle formation. , 2013, , . | | 0 |
| 125 | Impact of Multiphase Chemistry on Nanoparticle Growth and Composition. <i>ACS Symposium Series</i> , 2018, , 9-34. | 0.5 | 0 |
| 126 | Supplemental Material to "Advances in Integrated and Continuous Measurements for Particle Mass and Chemical Composition". <i>Journal of the Air and Waste Management Association</i> , 2008, 58, . | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Supplemental Material to "Source Apportionment: Findings from the U.S. Supersites Program". Journal of the Air and Waste Management Association, 2008, 58, . | 0.2 | 0 |
| 128 | Hypersensitive Measurement of Proteins by Capillary Isoelectric Focusing and Liquid Chromatography-Mass Spectrometry. , 0, , 67-86. | | 0 |