

## PRESENTATIONS BY THE NIZKORODOV GROUP MEMBERS

This is a compilation of platform and poster presentations by the undergraduate students, graduate students, and postdoctoral researchers on the research they have done while in the Nizkorodov group. Only presentations given by the student group members are included (numerous co-authored presentations given by our collaborators are not included in this list). The names of the presenting authors from the group are underlined and color coded as follows:

- If the presenting author is an **undergraduate student** from the group their name is shown in **blue**
- If the presenting author is a **graduate student** from the group their name is shown in **green**
- If the presenting author is a **postdoctoral researcher** from the group their name is shown in **brown**

## PLATFORM PRESENTATIONS

119. Pacifichem: The International Chemical Congress of Pacific Basin Societies, December 15-20, 2025, Honolulu, HI, USA  
S. Liu, G. Vandergrift, Z. Cheng, V. Sola, R. Saleh, C. Faiola, S.A. Nizkorodov, M. Shrivastava, A. Zelenyuk, S. China  
*Size-resolved chemical composition and physical properties of biomass burning aerosol produced at different burning temperatures*
118. Pacifichem: The International Chemical Congress of Pacific Basin Societies, December 15-20, 2025, Honolulu, HI, USA  
L. Gerritz, Meredith Schervish, S.A. Nizkorodov, M. Shiraiwa  
*Superoxide Burst upon Photochemical Aging of Secondary Organic Aerosols Derived from Biomass Burning Precursors*
117. 43<sup>rd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 13-17, 2025, Buffalo, NY, USA  
S. Liu, A. Ijaz, M.K. Shrivastava, S.A. Nizkorodov, C. Faiola, A. Zelenyuk  
*Precursor Concentration and Molecular Structure Influence the Viscosity and Volatility of Secondary Organic Aerosol Derived from Sesquiterpene Ozonolysis.*
116. 43<sup>rd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 13-17, 2025, Buffalo, NY, USA  
Kasey Edwards, L. Gerritz, Meredith Schervish, Manjula Canagaratna, Anita Avery, Mitchell Alton, Lisa Wingen, Jackson Ryan, Celia Faiola, Andrew Lambe, Sergey Nizkorodov, Manabu Shiraiwa  
*Dependence of Reactive Oxygen Species on Oxidation State of Biogenic Secondary Organic Aerosols*
115. 43<sup>rd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 13-17, 2025, Buffalo, NY, USA  
L. Gerritz, Meredith Schervish, S.A. Nizkorodov, M. Shiraiwa  
*Superoxide Burst upon Photochemical Aging of Secondary Organic Aerosols Derived from Biomass Burning Precursors*
114. 2025 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 15, 2025, Irvine, CA, USA  
E. Miko and S.A. Nizkorodov  
*Atmospheric Photochemistry at the Organic-Aqueous Interface*
113. 42<sup>nd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 21-25, 2024, Albuquerque, NM, USA  
S. Liu, C. Moffet, G. Vandergrift, Z. Cheng, S. China, S.A. Nizkorodov, A. Zelenyuk, C. Faiola  
*A Comparative Study on the Evaporation Kinetics and Physical Properties of Acyclic and Cyclic Terpene SOA*
112. 42<sup>nd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 21-25, 2024, Albuquerque, NM, USA  
L. Gerritz, S.A. Nizkorodov, M. Shiraiwa  
*Mechanistic Insight into Radical Formation During the Photochemical Aging of Biomass Burning-Organic Aerosols*
111. 2024 EMSL User Meeting, October 8-10, 2024, Richland, WA, USA  
S. Liu, C. Moffet, G. Vandergrift, Z. Cheng, S. China, S.A. Nizkorodov, A. Zelenyuk, C. Faiola  
*A Comparative Study on the Evaporation Kinetics and Physical Properties of Acyclic and Cyclic Terpene SOA*
110. Molecular-Level Understanding of Atmospheric Aerosols (MUOAA), April 1-5, 2024, Cargèse, France  
L. Gerritz, S.A. Nizkorodov, M. Shiraiwa  
*Mechanistic Insight into Radical Formation During the Photochemical Aging of Biomass Burning-Organic Aerosols*
109. 41<sup>st</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 2-6, 2023, Portland, OR, USA  
S. Liu, S.A. Nizkorodov, C. Faiola  
*PNNL Environmental Molecular Sciences Laboratory Information Session*
108. 41<sup>st</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 2-6, 2023, Portland, OR, USA  
S. Liu, T. Galeazzo, M. Shiraiwa, C. Faiola, S.A. Nizkorodov  
*Acyclic Monoterpenes Do Not Suppress Secondary Organic Aerosol Formed via Photooxidation of Cyclic Monoterpenes*
107. 41<sup>st</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 2-6, 2023, Portland, OR, USA  
K.S. Hopstock, A.L. Klodt, M.A. Alvarado, Q. Xi, H. A. Al-Abadleh, A. Laskin, and S.A. Nizkorodov  
*Composition and Atmospheric Transformations of Organic Aerosol Emitted from Biomass Burning and Urban Material Burning*
106. 264<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, March 26-30, 2023, Indianapolis, IN, USA  
A.B. Dalton, M. Chou, and S.A. Nizkorodov  
*Investigating the matrix effects in the photochemistry of nitrophenols*
105. 264<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, March 26-30, 2023, Indianapolis, IN, USA  
K.S. Hopstock, A.L. Klodt, M.A. Alvarado, Q. Xi, H. A. Al-Abadleh, A. Laskin, and S.A. Nizkorodov  
*Composition and Atmospheric Transformations of Organic Aerosol Emitted from Biomass Burning and Urban Material Burning*

104. 264<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, March 26-30, 2023, Indianapolis, IN, USA  
[S. Frey](#), A.L. Klodt, A. M. Burns, A. G. Carlton, and S. A. Nizkorodov  
*Uptake of trace gases produced by photooxidation of isoprene into atmospheric aqueous droplets*
103. 40<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 3-7, 2022, Raleigh, NC, USA  
[K.S. Hopstock](#), K. Rakosi, B. Barletta, S. Meinardi, R. Weltman, M. Mirkhanian, D.R. Blake, S.A. Nizkorodov, and R. Edwards  
*Characterization of VOC and Particle Emissions in Exhaled Air during Vaping*
102. 40<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 3-7, 2022, Raleigh, NC, USA  
[A.B. Dalton](#), M. Chou, and S.A. Nizkorodov  
*Photosensitized Aging of Secondary Organic Aerosol by Nitrophenols*
101. 40<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 3-7, 2022, Raleigh, NC, USA  
[C. Wong](#) and S.A. Nizkorodov  
*Aging of Secondary Organic Aerosols at Atmospherically Relevant Acidities*
100. 2022 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 21, 2022, Irvine, CA, USA  
[K. Rakosi](#), K.S. Hopstock, B. Barletta, S. Meinardi, R. Weltman, M. Mirkhanian, D.R. Blake, S.A. Nizkorodov, and R. Edwards  
*A Validated Secondhand Smoking Model for Electronic Nicotine Delivery Systems*
99. American Chemical Society (ACS) National Meeting & Exposition, March 20-24, 2022, San Diego, CA, USA  
[C. Wong](#), S. Liu, and S.A. Nizkorodov  
*Long term aging of secondary organic aerosols under acidic conditions*
98. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 16-21, 2021, Online Conference  
[V.J. Baboornian](#), G. Crescenzo, Y. Huang, F. Mahrt, M. Shiraiwa, A.K. Bertram, S.A. Nizkorodov  
*Humidity dependent viscosity of the photo-recalcitrant fraction of biogenically derived SOA*
97. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 16-21, 2021, Online Conference  
[K.S. Hopstock](#), H. A. Al-Abadleh, and S.A. Nizkorodov  
*Iron(III)-Catalyzed Chemistry in Biomass Burning Organic Aerosol*
96. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 16-21, 2021, Online Conference  
[A.B. Dalton](#) and S.A. Nizkorodov  
*Photochemical candy: Use of isomalt as a proxy for glassy organic aerosol*
95. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 16-21, 2021, Online Conference  
[C. Wong](#), D. Vite, S. Liu, and S.A. Nizkorodov  
*Impacts of water and sulfuric acid on the chemical composition and long-term aging of SOA*
94. 39<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 18-22, 2021, Online Conference  
[V.J. Baboornian](#), G. Crescenzo, Y. Huang, F. Mahrt, M. Shiraiwa, A.K. Bertram, S.A. Nizkorodov  
*Condensed-phase Photochemical Aging of Secondary Organic Aerosol and its Effects on Viscosity*
93. 39<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 18-22, 2021, Online Conference  
[K.S. Hopstock](#), H. A. Al-Abadleh, and S.A. Nizkorodov  
*Iron(III)-Catalyzed Chemistry in Biomass Burning Organic Aerosol*
92. 39<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 18-22, 2021, Online Conference  
[A.B. Dalton](#) and S.A. Nizkorodov  
*Photochemical candy: Use of isomalt as a secondary organic aerosol surrogate*
91. 39<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 18-22, 2021, Online Conference  
[C. Wong](#), S. Liu, and S.A. Nizkorodov  
*Acid-catalyzed aging of secondary organic aerosols*
90. 37<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), February 19, 2021, Online Conference  
[V. J. Baboornian](#), G. Crescenzo, Y. Huang, F. Mahrt, A. K. Bertram, S.A. Nizkorodov  
*Viscosity of the photo-recalcitrant fraction of biogenically derived SOA*
89. 37<sup>th</sup> Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), February 19, 2021, Online Conference  
[A.L. Klodt](#), K. Zhang, M. Olsen, J. Fernandez, F. Furche, S.A. Nizkorodov  
*The effects of ammonium on the aging of oxaloacetic acid in the atmospheric aqueous phase*
88. 37<sup>th</sup> Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), February 19, 2021, Online Conference  
[N.R. Smith](#), G. Crescenzo, Y. Huang, A. P.S. Hettiyadura, K. Siemens, Y. Li, C. L. Faiola, A. Laskin, M. Shiraiwa, A. K. Bertram, S.A. Nizkorodov  
*Viscosity and liquid-liquid phase separation in healthy and stressed pine tree SOA*
87. 38<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 5-9, 2020, Online Conference  
[N.R. Smith](#), Y. Huang, G. Crescenzo, A. Hettiyadura, K. Siemens, C. L. Faiola, A. Laskin, A. K. Bertram, S.A. Nizkorodov  
*Highly Viscous Secondary Organic Aerosol from Healthy and Stressed Pine Trees*
86. 38<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 5-9, 2020, Online Conference

- [V. J. Baboornian](#), Y. Gu, S.A. Nizkorodov  
*Photodegradation of secondary organic aerosols by long-term exposure to solar actinic radiation*
85. 37<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA  
[J. Montoya-Aguilera](#), N.R. Smith, S. Zhu, D. Dabdub, and S.A. Nizkorodov  
*A Laboratory and Modeling Investigation of the Effects of Ammonia and Amine Uptake on SOA Composition and Its Potential Impacts on Air Quality*
84. 37<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA  
[V. J. Baboornian](#), X. Wang, R. Gemayel, Y. Gu, L. M. Wingen, C. George, D. Fishman, S.A. Nizkorodov  
*Condensed Phase Photochemical Reactions of Secondary Organic Aerosols: Photodegradation and Photosensitized Reactions*
83. 258<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, August 25-29, 2019, San Diego, CA, USA  
[N.R. Smith](#), Y. Huang, G. Crescenzo, A. Hettiyadura, K. Siemens, C. L. Faiola, A. Laskin, A. K. Bertram, S.A. Nizkorodov  
*Viscosity and LLPS of SOA from Healthy and Stressed Pine Trees*
82. 258<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, August 25-29, 2019, San Diego, CA, USA  
[V. J. Baboornian](#), Y. Gu, L. Wingen, S.A. Nizkorodov  
*Long Term Photodegradation of Secondary Organic Aerosols*
81. 258<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, August 25-29, 2019, San Diego, CA, USA  
[A.L. Klodt](#), D. Romonosky, A Laskin, J. Laskin, S.A. Nizkorodov  
*Aqueous photochemistry of secondary organic aerosol in the presence of common inorganic salts*
80. 2019 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 18, 2019, Irvine, CA, USA  
[M. Olsen](#), N.R. Smith, S.A. Nizkorodov  
*Mass absorption coefficients of secondary organic aerosol in solid phase versus in solution*
79. 2019 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 18, 2019, Irvine, CA, USA  
[J. Wang](#), A.L. Klodt, S.A. Nizkorodov  
*Photochemistry of Keto-Acids in Liquid and Solid States*
78. 2019 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 18, 2019, Irvine, CA, USA  
[H. Chin](#), L. Fleming, H. Al-Abadleh, S.A. Nizkorodov  
*Characterization of Secondary Organic Aerosol Formation by Reactions of Iron (III) Chloride*
77. AirUCI Student Symposium, January 17, 2019, Irvine, CA, USA  
[L.T. Fleming](#), P. Lin, J. Laskin, A. Laskin, S.A. Nizkorodov  
*Photolysis of brown carbon chromophores produced from simulated forest fires during the FIREX campaign*
76. PM in a Changing World EPA STAR Program Meeting, November 28-29, 2018, Research Triangle Park, NC, USA  
[N.R. Smith](#), D. Dabdub, [J. Montoya-Aguilera](#), J. R. Horne, S. Zhu, and S.A. Nizkorodov  
*The role of ammonia: Interactions with particles and impacts on air quality*
75. AirUCI Retreat, September 24-26, 2018, Lake Arrowhead, CA, USA  
[N.R. Smith](#), A. Maclean, M. Song, Y. Huang, W. DeRieux, Y. Li, A. Laskin, A. Bertram, M. Shiraiwa, S.A. Nizkorodov  
*An investigation of viscous SOA in the atmosphere*
74. AirUCI Retreat, September 24-26, 2018, Lake Arrowhead, CA, USA  
[A.L. Klodt](#), D. Romonosky, A Laskin, J. Laskin, S.A. Nizkorodov  
*Aqueous Photochemical Reactions in Clouds*
73. AirUCI Retreat, September 24-26, 2018, Lake Arrowhead, CA, USA  
[V. J. Baboornian](#), D. Fishman, R. Gemayel, C. George, S.A. Nizkorodov  
*Condensed Phase Photochemistry of Secondary Organic Aerosols*
72. AirUCI Retreat, September 24-26, 2018, Lake Arrowhead, CA, USA  
[J. Montoya-Aguilera](#), N. Smith, S. Zhu, D. Dabdub, and S.A. Nizkorodov  
*Effects of Ammonia Uptake on SOA Composition and Its Potential Impacts on Air Quality*
71. 10<sup>th</sup> International Aerosol Conference, September 2-7, 2018, St. Louis, MO, USA  
[L.T. Fleming](#), J. Montoya-Aguilera, W. W. DeRieux, Y. Li, P. Lin, A. Laskin, J. Laskin, M. Shiraiwa, S.A. Nizkorodov:  
*Competing effects of water vapor and aerosol liquid water on the yield and molecular composition of secondary organic aerosols*
70. Peter B. Wagner Memorial Award for Women in Atmospheric Sciences Seminar, July 19, 2018, Reno, NV, USA  
[J. Montoya-Aguilera](#), J. R. Horne, M.L. Hinks, L.T. Fleming, V. Perraud, P. Lin, A. Laskin, J. Laskin, D. Dabdub, and S.A. Nizkorodov  
*Formation, Composition, and Air Quality of Indole SOA*
69. Peter B. Wagner Women in Atmospheric Sciences Seminar, July 19, 2018, Reno, NV, USA  
[L.T. Fleming](#), P. Lin, A. Laskin, J. Laskin, R. Weltman, R. D. Edwards, N. K. Arora, A. Yadav, S. Meinardi, D. R. Blake, A. Pillarisetti, K. R. Smith, and S.A. Nizkorodov  
*Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India*
68. 36<sup>th</sup> American Association for Aerosol Research meeting, October 16-20, 2017, Raleigh, NC, USA  
[L.T. Fleming](#), S.A. Nizkorodov, P. Lin, A. Laskin, and J. Laskin:  
*Climate-relevant compounds produced from burning forest fire fuels in conjunction with the FIREX campaign*

67. 2017 Undergraduate Research Opportunities Program (UROP) Symposium, May 20, 2017, Irvine, CA, USA  
[A.A. Iyengar](#), M.L. Hinks, and S.A. Nizkorodov  
*Effect of solvents on mass absorption coefficients of secondary organic aerosols*
66. Science and Societal Impacts on Air Quality and Climate Issues: Past, Present and Future, April 18-19, 2017, Irvine, CA, USA  
[M.L. Hinks](#), [J. Montoya](#), J.R. Horne, S.A. Nizkorodov, and D. Dabdub  
*The ammonia puzzle: interactions with particles and impacts on air quality*
65. Science and Societal Impacts of Air Quality and Climate Issues: Past, Present, and Future, April 18-19, 2017, Irvine, CA, USA  
 R. Johnson, [K.T. Malecha](#), M. Lawler  
*“Clean” tobacco: A water pipe dream?*
64. Air Quality in a Changing World EPA STAR Program Meeting, April 5-6, 2017, Research Triangle Park, NC, USA  
[J. Montoya-Aguilera](#), D. Dabdub, M.L. Hinks, J.R. Horne, and S.A. Nizkorodov  
*The role of ammonia: interactions with particles and impacts on air quality*
63. 253<sup>rd</sup> ACS National Meeting & Exposition, April 2-6 2017, San Francisco, CA, USA  
[K.T. Malecha](#), S.A. Nizkorodov  
*Irradiation of secondary organic aerosol material in the presence of volatile organic compounds: The role of photosensitization*
62. 35<sup>th</sup> Annual AAAR Conference, October 17-21, 2016, Portland, OR, USA  
[M.L. Hinks](#), J. Montoya, J. Horne, S.A. Nizkorodov, D. Dabdub  
*Impact of Ammonia on SOA Concentration and Composition*
61. 35<sup>th</sup> Annual AAAR Conference, October 17-21, 2016, Portland, OR, USA  
[K.T. Malecha](#), S.A. Nizkorodov  
*Photolysis of secondary organic aerosol material in the presence of volatile organic compounds: The role of photosensitization*
60. 252<sup>nd</sup> ACS National Meeting & Exposition, August 2016, Philadelphia, PA, USA  
[M.L. Hinks](#), M.V. Brady, Y. Chen, H. Lignell, M. Song, J.W. Grayson, A.K. Bertram, P. Lin, A. Laskin, J. Laskin, S.A. Nizkorodov  
*Viscosity effects on photochemical processes in secondary organic materials*
59. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 15-20, 2015, Honolulu, HI, USA  
[M.L. Hinks](#), M.V. Brady, H. Lignell, M. Song, J. Grayson, A.K. Bertram, P. Lin, A. Laskin, J. Laskin, S.A. Nizkorodov  
*Effects of temperature and relative humidity on photochemistry inside secondary organic aerosol materials*
58. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 15-20, 2015, Honolulu, HI, USA  
[S.L. Blair](#), A.C. MacMillan, G.T. Drozd, A.H. Goldstein, P. Lin, J. Laskin, A. Laskin, S.A. Nizkorodov  
*Composition and photochemistry of biodiesel and diesel fuel SOA*
57. 34<sup>rd</sup> Annual AAAR Conference, October 12-16, 2015, Minneapolis, MN, USA  
[D.E. Romonosky](#), N.N. Ali, M.N. Saiduddin, M. Wu, H.J. Lee, P.K. Aiona, S.A. Nizkorodov  
*Effective absorption cross sections and photolysis rates of model anthropogenic and biogenic secondary organic aerosols*
56. 34<sup>th</sup> Annual AAAR Conference, October 12-16, 2015, Minneapolis, MN, USA  
[S.L. Blair](#), A.C. MacMillan, G.T. Drozd, A.H. Goldstein, P. Lin, J. Laskin, A. Laskin, S.A. Nizkorodov  
*Composition and photochemistry of biodiesel and diesel fuel SOA*
55. 26<sup>th</sup> Orange County Graduate Women in Science Conference, April 11, 2015, Irvine, CA, USA  
[S.L. Blair](#), S.A. Epstein, S.A. Nizkorodov, N. Staimer  
*Volatile organic compounds and particles in electronic cigarette emissions*
54. 249<sup>th</sup> ACS National Meeting & Exposition, March 2015, Denver, CO, USA  
[K.T. Malecha](#), S.A. Nizkorodov  
*Photolysis of secondary organic aerosol material as a source of small oxygenated volatile organic compounds*
53. 33<sup>rd</sup> Annual AAAR Conference, October 20-24, 2014, Orlando, FL, USA  
[S.L. Blair](#), S.A. Epstein, S.A. Nizkorodov, R. Edwards, R.J. Delfino, M. Kleinman, N. Vaziri, N. Staimer  
*A real-time fast-flow tube study of VOC and particulate emissions from electronic, reduced-harm, conventional, and reference cigarettes*
52. 33<sup>rd</sup> Annual AAAR Conference, October 20-24, 2014, Orlando, FL, USA  
[S.L. Blair](#), S.A. Epstein, A.C. MacMillan, S.A. Nizkorodov  
*A smog chamber-flow tube study of the direct photolysis of model biogenic and anthropogenic SOA*
51. 2<sup>nd</sup> Annual AirUCI Retreat, September 9-11, 2014, Lake Arrowhead, CA, USA  
[S.L. Blair](#)  
*Photolytic formation and evolution of atmospheric organic compounds*
50. Conference of Ford Fellows, September 2014, Irvine, CA, USA  
[P.K. Aiona](#), A. Laskin, J. Laskin, H.J. Lee, and S.A. Nizkorodov  
*Analysis of brown carbon in aerosols and the aqueous phase*
49. 248<sup>th</sup> ACS National Meeting & Exposition, August 2014, San Francisco, CA, USA  
[M.L. Hinks](#), H. Lignell, S.A. Nizkorodov  
*Photochemistry in atmospheric condensed phases: exploring the effects of matrix*
48. 248<sup>th</sup> ACS National Meeting & Exposition, August 2014, San Francisco, CA, USA

- [P.K. Aiona](#), A. Laskin, J. Laskin, H.J. Lee, S.A. Nizkorodov  
*Analysis of brown carbon in aerosols and the aqueous phase*
47. 2014 AirUCI International Workshop, January 2014, Laguna Beach, California, USA  
[H.J. Lee](#), P. Aiona, A. Laskin, J. Laskin, S.A. Nizkorodov  
*Fluorescence, photobleaching, and molecular level analysis of brown carbon aerosol*
46. 32<sup>nd</sup> Annual American Association for Aerosol Research Conference, October 2013, Portland, Oregon, USA  
[H.J. Lee](#), P. Aiona, A. Laskin, J. Laskin, S.A. Nizkorodov  
*Fluorescence, photobleaching, and molecular level analysis of brown carbon aerosol*
45. California State University, Chico Chemistry Summer Research Institute Seminar, July 2013, Chico, California, USA  
[S.L. Blair](#), S.A. Epstein and S.A. Nizkorodov  
*The photolytic processing of organic aerosols through carbonyl photochemistry*
44. 31<sup>st</sup> Annual American Association for Aerosol Research Conference, October 2012, Minneapolis, Minnesota, USA  
[T.B. Nguyen](#), A. Laskin and S.A. Nizkorodov  
*Brown carbon formation from reactions of limonene-derived ketoaldehydes with ammonium sulfate and amino acids*
43. 31<sup>st</sup> Annual American Association for Aerosol Research Conference, October 2012, Minneapolis, Minnesota USA  
[S.A. Epstein](#) and S.A. Nizkorodov  
*A comparison of the chemical sinks of atmospheric organics in the gas and aqueous phase*
42. American Institute of Chemical Engineers, October 2012, Pittsburgh, Pennsylvania, USA  
[S.A. Epstein](#) and S.A. Nizkorodov  
*Evaluating the significance of direct photolysis of organic compounds dissolved in cloud and fog waters*
41. 2012 AirUCI International Workshop, January 2012, Laguna Beach, California, USA  
[A.C. MacMillan](#), T.M. McIntire, J.W. Morrison, D.J. Tobias and S.A. Nizkorodov  
*Interaction of water vapor with the surfaces of imidazolium-based ionic liquid nanoparticles and thin films*
40. 2012 AirUCI International Workshop, January 2012, Laguna Beach, California, USA  
[S.A. Epstein](#), D. Shemesh, V.T. Tran, S.A. Nizkorodov, R.B. Gerber  
*Absorption spectra and photolysis of methyl peroxide in liquid and frozen water*
39. 30<sup>th</sup> Annual American Association for Aerosol Research Conference, October 2011, Orlando, Florida USA  
[T.B. Nguyen](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Aqueous photodegradation products from isoprene photooxidation secondary organic aerosol*
38. Atmospheric Chemistry Colloquium for Emerging Senior Scientists (ACCESS) XI, July 2011, Upton, New York, USA  
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*High-resolution electrospray ionization mass spectrometry analysis of biogenic secondary organic aerosol*
37. 2011 Undergraduate Research Opportunities Program (UROP) Symposium, May 2010, Irvine, CA, USA  
[K.M. Updyke](#), T.B. Nguyen and S.A. Nizkorodov  
*Chemical aging of secondary organic aerosols by N-containing compounds*
36. 2011 Undergraduate Research Opportunities Program (UROP) Symposium, May 2010, Irvine, CA, USA  
[P.B. Lee](#), T.B. Nguyen and S.A. Nizkorodov  
*Evaporation of cloud droplets containing dissolved organics as an efficient route to light-absorbing aerosols*
35. 2011 AirUCI International Workshop, January 2011, Laguna Beach, California, USA  
[T.B. Nguyen](#), P.J. Roach, J. Laskin, A. Laskin and S.A. Nizkorodov  
*Effects of relative humidity on the photooxidation and aerosol composition from isoprene*
34. 2011 AirUCI International Workshop, January 2011, Laguna Beach, California, USA  
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Photochemical cloud processing of biogenic secondary organic aerosol: High-resolution electrospray ionization mass spectrometry analysis*
33. Pacificchem 2010, December 2010, Honolulu, Hawaii, USA  
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*High-resolution electrospray ionization mass spectrometry analysis of organic aerosol samples collected with a particle into liquid sampler*
32. 29<sup>th</sup> Annual American Association for Aerosol Research Conference, October 2010, Portland, Oregon, USA  
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Quantum yield of CO from the photolysis of aliphatic carbonyls: Implications for the photochemical stability of organic aerosols*
31. 2010 Undergraduate Research Opportunities Program (UROP) Symposium, May 2010, Irvine, CA, USA  
[J.B. Morrison](#), C.W. Harmon and S.A. Nizkorodov  
*Effect of electrospray capillary distance on NaCl/SDS nanoparticle composition*
30. 2010 Undergraduate Research Opportunities Program (UROP) Symposium, May 2010, Irvine, CA, USA  
[L.Q. Nguyen](#), T.B. Nguyen and S.A. Nizkorodov  
*Synthesis and characterization of alkyl nitrates*
29. 2010 AirUCI International Workshop, January 2010, Laguna Beach, California, USA  
[T.B. Nguyen](#), D.L. Bones, A.P. Bateman, J. Laskin, A. Laskin and S.A. Nizkorodov

- Molecular characterization of organic aerosol from the O<sub>3</sub>- and OH-initiated oxidation of isoprene*
28. 2009 American Geophysical Society Joint Assembly –The Meeting of the Americas, May 2009, Toronto, Ontario, Canada  
[T.B. Nguyen](#), A.P. Bateman, J. Laskin, A. Laskin and S.A. Nizkorodov
- Chemical composition of isoprene ozonolysis SOA – a high resolution mass spectrometric analysis*
27. 2009 Undergraduate Research Opportunities Program (UROP) Symposium, May 2009, Irvine, CA, USA  
[D.K. Henricksen](#), D. Bones and S.A. Nizkorodov
- Aging of secondary organic aerosols from terpene ozonolysis over long time scales*
26. 2009 Undergraduate Research Opportunities Program (UROP) Symposium, May 2009, Irvine, CA, USA  
[C. Seetho](#), [J.E. Klobas](#), D. Bones and S.A. Nizkorodov
- Quartz crystal microbalance quantitative analysis: photodegradation of secondary organic aerosols*
25. 2009 Undergraduate Research Opportunities Program (UROP) Symposium, May 2009, Irvine, CA, USA  
[M.D. Peterson](#), C.W. Harmon and S.A. Nizkorodov
- Hygroscopicity and deliquescence of nanoparticles containing surfactants: a comparison of bulk solutions with nanoparticle experiments*
24. 2009 AirUCI Meeting, January 2009, Laguna Beach, California, USA  
[D.L. Bones](#), S.A. Nizkorodov, A.P. Bateman, T.B. Nguyen, X. Pan and D.K. Henricksen
- Effects of dark aging on chemical and physical properties of terpene-derived SOA*
23. 2009 AirUCI Meeting, January 2009, Laguna Beach, California, USA  
[A.P. Bateman](#), M.L. Walser, J. Laskin, A. Laskin and S.A. Nizkorodov
- Chemical composition of secondary organic aerosol as a function of particle size and reaction time*
22. 2009 AirUCI Meeting, January 2009, Laguna Beach, California, USA  
[C.W. Harmon](#), M. Peterson, B. Njelic, D.J. Tobias, R.B. Gerber and S.A. Nizkorodov
- Hygroscopic growth of NaCl nanoparticles containing surfactant sodium dodecyl sulfate (SDS)*
21. 235<sup>th</sup> American Chemical Society National Meeting, April 2008, New Orleans, Louisiana, USA  
[A.P. Bateman](#), M.L. Walser, Y. Desyaterik, J. Laskin, A. Laskin and S.A. Nizkorodov
- Solvent-analyte reactions of secondary aerosol constituents: high resolution electrospray ionization-mass spectrometric analysis*
20. 235<sup>th</sup> American Chemical Society National Meeting, April 2008, New Orleans, Louisiana, USA  
[C.W. Harmon](#), A. Alshawa, J.S. Underwood and S.A. Nizkorodov
- Hygroscopicity of amphiphilic nanoparticles: the role of size and composition*
19. 2008 AirUCI Meeting, January 2008, Newport Beach, California, USA  
[X. Pan](#), J.-H. Xing and Sergey Nizkorodov
- CIMS study of photochemistry of SOA generated from limonene oxidation*
18. 2008 AirUCI Meeting, January 2008, Newport Beach, California, USA  
[S.A. Mang](#), M.P.S. Andersen, A.P. Bateman, D.R. Blake and S.A. Nizkorodov
- Photochemical aging of organic aerosol particles*
17. 2008 AirUCI Meeting, January 2008, Newport Beach, California, USA  
[C.W. Harmon](#), A. Alshawa, J.S. Underwood and S.A. Nizkorodov
- Hygroscopicity of amphiphilic nanoparticles: the role of size and composition*
16. 26<sup>th</sup> Annual AAAR Conference, September 2007, Reno, Nevada, USA  
[X. Pan](#), J.S. Underwood and S.A. Nizkorodov
- Probing the photochemistry of monoterpene-derived secondary organic aerosols with chemical ionization mass spectrometry*
15. 26<sup>th</sup> Annual AAAR Conference, September 2007, Reno, Nevada, USA  
[J.-H. Xing](#), A.P. Bateman, S.A. Mang and S.A. Nizkorodov
- Photochemical aging of organic aerosol particles*
14. American Geophysical Union Joint Assembly, May 2007, Acapulco, Guerrero, MX  
[S.A. Mang](#), A.P. Bateman, M. Dialo, T. Do, X. Pan, J.S. Underwood, M.L. Walser and S.A. Nizkorodov
- Photochemistry of model organic aerosol systems*
13. 2006 AirUCI Meeting, December 2006, Christchurch, New Zealand  
[J.S. Underwood](#), A. Alshawa, S. Ng and S.A. Nizkorodov
- Hygroscopicity of ultrafine organic aerosol particles: the role of chemical composition and structure*
12. 2006 AirUCI Meeting, December 2006, Christchurch, New Zealand  
[M.L. Walser](#), J.S. Underwood, [X. Pan](#) and S.A. Nizkorodov
- Probing the photochemistry of secondary organic aerosols via cavity ring-down spectroscopy and chemical ionization mass spectrometry*
11. 232<sup>nd</sup> American Chemical Society National Meeting, September 2006, San Francisco, California, USA.  
[J.S. Underwood](#), X. Pan, R. Benningsdorf and S.A. Nizkorodov
- Probing the photochemistry of organic and secondary organic aerosols via chemical ionization mass spectrometry and cavity ring-down spectroscopy*
10. 232<sup>nd</sup> American Chemical Society National Meeting, September 2006, San Francisco, California, USA  
[A. Alshawa](#), J.S. Underwood, S. Ng and S.A. Nizkorodov

9. *Hygroscopicity of ultrafine organic aerosol particles: the role of chemical composition and structure*  
231<sup>st</sup> American Chemical Society National Meeting, March 2006, Atlanta, Georgia, USA.  
[J.S. Underwood](#), A. Alshawa, S. Ng and S.A. Nizkorodov
8. *Aerosolized inverted micelles as model systems for probing atmospheric reactions of ultrafine organic particles*  
2006 AirUCI Meeting, January 2006, Laguna Beach, California, USA  
[A.L. Gomez](#), M.L. Walser, J. Park, A.R. Russell and S.A. Nizkorodov
7. *Piecing it together: oxidative and photochemical aging of various organic aerosol systems*  
2006 AirUCI Meeting, January 2006, Laguna Beach, California, USA  
[J.S. Underwood](#), A. Alshawa, S. Ng and S.A. Nizkorodov
6. *Aerosolized inverted micelles as model systems for probing atmospheric reactions of ultrafine organic particles*  
231<sup>st</sup> American Chemical Society National Meeting, March 2006, Atlanta, Georgia, USA  
[M.L. Walser](#), J. Park, A.L. Gomez, A.R. Russell and S.A. Nizkorodov
5. *A study on the photo-aging of secondary organic aerosol*  
40<sup>th</sup> American Chemical Society Western Regional Meeting, January 2006, Anaheim, California, USA  
[J.S. Underwood](#), A. Alshawa, S. Ng and S.A. Nizkorodov
4. *Aerosolized inverted micelles as model systems for probing atmospheric reactions of ultrafine organic particles*  
40<sup>th</sup> American Chemical Society Western Regional Meeting, January 2006, Anaheim, California, USA  
[S.A. Mang](#), J. Park and S.A. Nizkorodov
3. *Single particle analysis using microwave plasma torch atomic emission spectroscopy*  
2005 American Geophysical Union National Meeting, December 2005, San Francisco, California, USA  
[J. Park](#), A.L. Gomez, M.L. Walser, Ao Lin and S.A. Nizkorodov
2. *Ozonolysis and subsequent photolysis of unsaturated organic molecules: model systems for photochemical aging of organic aerosol particles*  
24<sup>th</sup> Annual AAAR Conference, October 2005, Austin, Texas, USA  
[J. Park](#), A.L. Gomez, M.L. Walser, Ao Lin, N.J. Britigan and S.A. Nizkorodov
1. *Photochemistry of oxidized organic aerosol particles*  
2005 Southern California ACS Undergraduate Research Conference in Chemistry and Biochemistry, April 2005, Dominguez Hills, California, USA  
[N.J. Britigan](#), A. Alshawa and S.A. Nizkorodov
- Violation of safe levels for ozone in indoor environments by several air purifiers marketed in the United States*

## **POSTER PRESENTATIONS**

146. Pacificchem: The International Chemical Congress of Pacific Basin Societies, December 15-20, 2025, Honolulu, HI, USA,  
[S. Liu](#), A. Ijaz, D. Bell, R. VanGundy, G. Vandergrift, S. China, S.A. Nizkorodov, C. Faiola, A. Zelenyuk  
*Precursor concentration modulates evaporation kinetics and chemical composition in acyclic and cyclic sesquiterpene-derived secondary organic aerosol via ozonolysis*
145. 43<sup>rd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 13-17, 2025, Buffalo, NY, USA  
[S. Liu](#), Z.n Cheng, N.N.Lata, G.W. Vandergrift, X. Mansoura, V. Sola, A. Zelenyuk, C. Faiola, S.A. Nizkorodov, F. Mei, D. Zhang, Z. Zhu, S. China  
*Contrasting Above and Below Cloud Aerosol Composition and Properties from ArcticShark Uncrewed Aerial System at the Bankhead National Forest Site*
144. 43<sup>rd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 13-17, 2025, Buffalo, NY, USA  
[A. Jue](#), S.A. Nizkorodov  
*Effect of Mineral Dust Transition Metal Oxides on Photochemistry of Secondary Organic Aerosols*
143. 43<sup>rd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 13-17, 2025, Buffalo, NY, USA  
[M. Zaragoza](#), L. Wingen, A. G. Carlton, S.A. Nizkorodov  
*Photochemical Cloud Processing of Water-Soluble Organic Gases.*
142. 43<sup>rd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 13-17, 2025, Buffalo, NY, USA  
[Z. Yang](#), K. Li, L. Du  
*Highly Oxidized Molecules Make a Significant Contribution to Enhanced Aromatic-Derived Secondary Organic Aerosol under a Humid Environment*
141. 42<sup>nd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 21-25, 2024, Albuquerque, NM, USA  
[L. Ruiz Armenta](#), K.S. Hopstock, Q. Xie, K. Ridgway, J. Cast, S. Jathar, C. L'Orange, A.Laskin, S.A. Nizkorodov  
*Molecular Composition, Absorption, and Oxidative Potential of Urban Burning Aerosols.*
140. 42<sup>nd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 21-25, 2024, Albuquerque, NM, USA  
[A. J. Jue](#), S.A. Nizkorodov  
*Effect of Iron-Containing Mineral Dust on Photodegradation of Secondary Organic Aerosols*
139. 42<sup>nd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 21-25, 2024, Albuquerque, NM, USA  
[M. Zaragoza](#), S.A. Nizkorodov, A. G. Carlton

- Formation of Aqueous SOA from Water-Soluble Gaseous  $\alpha$ -Pinene Oxidation Products and from Gases Emitted by Biomass Burning Emissions.*
138. 42<sup>nd</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 21-25, 2024, Albuquerque, NM, USA  
[S. Liu](#), C. Faiola, S.A. Nizkorodov  
*Investigating Particle-Phase Chemistry between Products of Oxidation of  $\alpha$ -Pinene and Phenol*
137. 40<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), October 4, 2024, San Diego, CA, USA  
[L. Gerritz](#), S.A. Nizkorodov, M. Shiraiwa  
*Mechanistic Insight into Radical Formation During the Photochemical Aging of Biomass Burning-Organic Aerosols*
136. 40<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), October 4, 2024, San Diego, CA, USA  
[A.J. Jue](#), S.A. Nizkorodov  
*Effect of Iron-Containing Mineral Dust on Photodegradation of Secondary Organic Aerosols*
135. 2024 SoCal Undergraduate Chemistry Research Symposium, August 8, 2024, Irvine, CA, USA  
[E. Miko](#) and S.A. Nizkorodov  
*Atmospheric Photochemistry at the Organic-Aqueous Interface*
134. 39<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), October 27, 2023, Los Angeles, CA, USA  
[K.S. Hopstock](#), A.L. Klodt, M.A. Alvarado, Q. Xi, H. A. Al-Abadleh, A. Laskin, and S.A. Nizkorodov  
*Photolytic Aging of Organic Aerosol from Pyrolyzed Urban Materials*
133. 39<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), October 27, 2023, Los Angeles, CA, USA  
[L. Ruiz Armenta](#), K.S. Hopstock, Q. Xie, K. Ridgway, J. Cast, S. Jathar, C. L'Orange, A. Laskin, S.A. Nizkorodov  
*Absorption Spectra and Brown Carbon Chromophores in Lab Generated Particles Emitted by Burning Structural Materials*
132. 39<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), October 27, 2023, Los Angeles, CA, USA  
[S. Liu](#), T. Galeazzo, M. Shiraiwa, C. Faiola, S.A. Nizkorodov  
*SOA from OH oxidation of mixture of limonene and myrcene*
131. 39<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), October 27, 2023, Los Angeles, CA, USA  
[L. Gerritz](#), S.A. Nizkorodov, M. Shiraiwa  
*Mechanisms of Radical Formation During Photochemical Aging of SOA*
130. 41<sup>st</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 2-6, 2023, Portland, OR, USA  
[L. Gerritz](#), S.A. Nizkorodov, M. Shiraiwa  
*Mechanisms of Radical Formation During Photochemical Aging of SOA*
129. 41<sup>st</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 2-6, 2023, Portland, OR, USA  
[L. Ruiz Armenta](#), K.S. Hopstock, Q. Xie, K. Ridgway, J. Cast, S. Jathar, C. L'Orange, A. Laskin, S.A. Nizkorodov  
*Absorption Spectra and Brown Carbon Chromophores in Lab Generated Particles Emitted by Burning Structural Materials*
128. 2023 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 19, 2023, Irvine, CA, USA  
[J. Vuong](#), C. Wong, S.A. Nizkorodov  
*Effect of highly acidic conditions on the fluorescent properties of secondary organic aerosols*
127. 2023 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 19, 2023, Irvine, CA, USA  
[S. Stirone](#), K.S. Hopstock, S.A. Nizkorodov  
*Optical properties of biomass burning organic aerosol (BBOA) on collection substrates*
126. 2023 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 19, 2023, Irvine, CA, USA  
[M. Chou](#), A.B. Dalton, S.A. Nizkorodov  
*Photosensitized Degradation of Secondary Organic Aerosol*
125. 40<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 3-7, 2022, Raleigh, NC, USA  
[S. Liu](#), S.A. Nizkorodov, C.B. Faiola  
*Effect of Product Cross-Reactions from Oxidation of Cyclic and Acyclic Monoterpene Mixtures on Secondary Organic Aerosol*
124. 40<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 3-7, 2022, Raleigh, NC, USA  
[L. Gerritz](#), J. Wei, S.A. Nizkorodov, M. Shiraiwa  
*Formation of Reactive Oxygen Species in Irradiated Mixtures of Biomass Burning Compounds*
123. 38<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), June 15, 2022 Irvine, CA, USA  
[V.J. Baboosian](#), G. Crescenzo, Y. Huang, F. Mahrt, M. Shiraiwa, A.K. Bertram, S.A. Nizkorodov  
*Sunlight converts atmospheric aerosols into a glassy solid state and modifies their environmental impacts*
122. 38<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), June 15, 2022 Irvine, CA, USA  
[A.L. Klodt](#), M. Adamek, M. Dibley, S.A. Nizkorodov, R.E. O'Brien  
*Effects of the Sample Matrix on the Photobleaching and Photodegradation of Toluene-Derived Secondary Organic Aerosol Compounds*
121. 38<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), June 15, 2022 Irvine, CA, USA  
[K.S. Hopstock](#), K. Rakosi, B. Barletta, S. Meinardi, R. Weltman, M. Meinardi, D.R. Blake, S.A. Nizkorodov, and R. Edwards  
*Characterization of VOC Emissions from Commercial E-Cigarette Usage*

120. 38<sup>th</sup> Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), June 15, 2022 Irvine, CA, USA  
[A.B. Dalton](#), S. Le, N. Karimova, R. B. Gerber, and S.A. Nizkorodov  
*Influence of solvent on electronic structure and the photochemistry of nitrophenols*
119. 38<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 5-9, 2020, Online Conference  
[C. Wong](#), D. Vite, S.A. Nizkorodov  
*Long-term aging of secondary organic aerosols derived from monoterpenes in the presence of water vapor and liquid water*
118. 38<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 5-9, 2020, Online Conference  
[A.L. Klodt](#), K. Zhang, J. Fernandez, M. Olsen, F. Furche, S.A. Nizkorodov  
*The effects of ammonium on the atmospheric aging of 3-oxocarboxylic acids*
117. 37<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA  
[A.L. Klodt](#), D. Romonosky, A. Laskin, J. Laskin, S.A. Nizkorodov  
*Effects of common inorganic salts on the aqueous photochemistry of secondary organic aerosol*
116. 37<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA  
[J. Montoya-Aguilera](#)  
*Formation and Properties of Nitrogen-Containing Organic Compounds in Secondary Organic Aerosol (SOA)*
115. 37<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA  
[N.R. Smith](#), G. Crescenzo, Y. Huang, A. P.S. Hettiyadura, K. Siemens, C. L. Faiola, A. Laskin, A. K. Bertram, S.A. Nizkorodov  
*Composition, phase separation, and viscosity of healthy and stressed pine tree SOA*
114. 37<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA  
[C. Wong](#), L.T. Fleming, J. Montoya-Aguilera, S.A. Nizkorodov  
*Effect of relative humidity and aerosol liquid water on the molecular composition and aging of secondary organic aerosols*
113. 258<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, August 25-29, 2019, San Diego, CA, USA  
[M. Olsen](#), N.R. Smith, S.A. Nizkorodov  
*Solid versus solution phase UV-visible absorption of secondary organic aerosols*
112. 258<sup>th</sup> American Chemical Society (ACS) National Meeting & Exposition, August 25-29, 2019, San Diego, CA, USA  
[H. Chin](#), L. Fleming, H. Al-Abadleh, S.A. Nizkorodov  
*SOA Formation by Catechol Derivatives via Fe(III) Ion Catalysis under Acidic Conditions*
111. Gordon Research Conference on Atmospheric Chemistry, July 28-August 2, 2019, Newry, ME, USA  
[L.T. Fleming](#), P. Lin, J. M. Roberts, V. Selimovic, R. J. Yokelson, J. Laskin, A. Laskin, S.A. Nizkorodov  
*Molecular composition of brown carbon chromophores produced during simulated forest fires and their photochemical lifetimes*
110. Gordon Research Conference on Atmospheric Chemistry, July 28-August 2, 2019, Newry, ME, USA  
[J. Montoya-Aguilera](#), N.R. Smith, M.L. Hinks, J.R. Horne, S. Zhu, D. Dabdub, and S.A. Nizkorodov  
*Ammonia and Amine Uptake by SOA Leads to Nitrogen-Containing Organic Compounds (NOC) Formation in SOA Particles*
109. 36<sup>th</sup> Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 10, 2019, Riverside, CA, USA  
[J. Montoya-Aguilera](#), N.R. Smith, M.L. Hinks, J.R. Horne, S. Zhu, D. Dabdub, and S.A. Nizkorodov  
*A Laboratory and Modeling Investigation on the Effects of NH<sub>3</sub> and Amine Uptake on SOA Composition and its Potential Impacts on Air Quality*
108. 36<sup>th</sup> Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 10, 2019, Riverside, CA, USA  
[N.R. Smith](#), M. Song, A. M. Mclean, Y. Huang, S. L. Blair, J. L., A. Laskin, W. Wong DeRieux, Y. Li, M. Shiraiwa, A. K. Bertram, S.A. Nizkorodov  
*Liquid-liquid phase separation and viscosity within secondary organic aerosol generated from diesel fuel vapor*
107. 2019 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 18, 2019, Irvine, CA, USA  
[H. Chin](#), L. Fleming, H. Al-Abadleh, S.A. Nizkorodov  
*Characterization of Secondary Organic Aerosol Formation by Reactions of Iron (III) Chloride*
106. 2019 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 18, 2019, Irvine, CA, USA  
*Effects of Transition Metals on Optical Properties of Atmospheric Organic Aerosols*  
[S. Gu](#), N.N. Ali and S.A. Nizkorodov
105. 10<sup>th</sup> International Aerosol Conference (IAC), September 24-26, 2018, St. Louis, MO, USA  
[J. Montoya-Aguilera](#), M. Hinks, J. Horne, S. Zhu, D. Dabdub, and S.A. Nizkorodov  
*A Laboratory and Modeling Investigation on the Effects of Ammonia Uptake on SOA Composition and Its Potential Impacts on Air Quality*
104. 35<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), March 30, 2018, Pasadena, CA, USA.  
[L.T. Fleming](#), R. Weltman, A. Yadav, N. K. Arora, A. Pillarisetti, S. Meinardi, K. R. Smith, R. D. Edwards, D. R. Blake, and S.A. Nizkorodov  
*Particulate and gas emissions from village cook stoves in Haryana, India and their potential impacts on air quality*
103. The Third Sino-European School on Atmospheric Chemistry (SESAC III), November 21-30, 2017, Shanghai, China

- [J. Montoya-Aguilera](#), J.R. Horne, M.L. Hinks, L.T. Fleming, V. Perraud, P. Lin, A. Laskin, J. Laskin, D. Dabdub, and S.A. Nizkorodov  
*Secondary Organic Aerosol (SOA) from Photooxidation of Indole*
102. Gordon Research Conference on Atmospheric Chemistry, July 30- Aug. 4, 2017, Newry, ME, USA  
[J. Montoya-Aguilera](#), J.R. Horne, M.L. Hinks, L.T. Fleming, V. Perraud, P. Lin, A. Laskin, J. Laskin, D. Dabdub, and S.A. Nizkorodov  
*Secondary Organic Aerosol (SOA) from Photooxidation of Indole*
101. NSF-GRFP Symposium: Training for Tomorrow, May 26, 2017, Irvine, CA, USA  
[P.K. Aiona](#), H. J. Lee, P. Lin, F. Heller, A. Laskin, J. Laskin, and S.A. Nizkorodov  
*Brown Carbon Formed via the Aqueous Reaction of 4-Oxopentanal with Ammonium Sulfate*
100. NSF-GRFP Symposium: Training for Tomorrow, May 26, 2017, Irvine, CA, USA  
[K.T. Malecha](#), S.A. Nizkorodov  
*Irradiation of secondary organic aerosol material in the presence of volatile organic compounds: The role of photosensitization*
99. NSF-GRFP Symposium: Training for Tomorrow, May 26, 2017, Irvine, CA, USA  
[J. Montoya](#), M.L. Hinks, S.A. Nizkorodov, J.R. Horne, and D. Dabdub  
*Effects of ammonia on SOA formation and composition*
98. 2017 Undergraduate Research Opportunities Presentation (UROP) Symposium, May 20, 2017, Irvine, CA, USA  
[Z. Cai](#), K.T. Malecha, and S.A. Nizkorodov  
*Degradation of atmospheric organic aerosols under UV illumination.*
97. 34<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 12, 2017, San Diego, CA, USA  
[P.K. Aiona](#), H. J. Lee, P. Lin, F. Heller, A. Laskin, J. Laskin, and S.A. Nizkorodov  
*Brown Carbon Formed Via The Aqueous Reaction of 4-Oxopentanal with Ammonium Sulfate*
96. 34<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 12, 2017, San Diego, CA, USA  
[L.T. Fleming](#), S.A. Nizkorodov, P. Lin, A. Laskin, J. Laskin  
*Climate-Relevant Compounds Produced from Burning Forest Fire Fuels in Conjunction with the FIREX campaign*
95. 34<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 12, 2017, San Diego, CA, USA  
[K.T. Malecha](#), S.A. Nizkorodov  
*Irradiation of secondary organic aerosol material in the presence of volatile organic compounds: The role of photosensitization*
94. 34<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 12, 2017, San Diego, CA, USA  
[J. Montoya](#), J.R. Horne, M.L. Hinks, L.T. Fleming, V. Perraud, P. Lin, A. Laskin, J. Laskin, D. Dabdub, and S.A. Nizkorodov  
*Secondary organic aerosol (SOA) from photooxidation of indole*
93. 35<sup>th</sup> Annual American Association for Aerosol Research (AAAR) Conference, October 2016, Portland, OR, USA  
[P.K. Aiona](#), S.A. Nizkorodov, A. Laskin, and J. Laskin  
*Exploring potential brown carbon chromophores with mass spectrometry and NMR.*
92. Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS), October 13-15, 2016, Long Beach, CA  
[J. Montoya](#), M.L. Hinks, S.A. Nizkorodov, J.R. Horne, and D. Dabdub  
*Effects of ammonia on SOA formation and composition*
91. International Global Atmospheric Chemistry (IGAC), September 26-30, 2016, Breckenridge, CO, USA  
[L.T. Fleming](#), S.A. Nizkorodov, D. R. Blake, R. Weltman, R. D. Edwards, P. Lin, A. Laskin, J. Laskin, K. R. Smith, N. K. Arora, S. Gautam, A. Yadav  
*Gaseous and particle-phase aerosol emissions from household cooking in rural Haryana, India*
90. International Global Atmospheric Chemistry (IGAC), September 26-30, 2016, Breckenridge, CO, USA  
[J. Montoya](#), M.L. Hinks, S.A. Nizkorodov, J.R. Horne, and D. Dabdub  
*Effects of ammonia on SOA formation and composition*
89. 2016 Undergraduate Research Opportunities Presentation (UROP) Symposium, May 14, 2016 Irvine, CA, USA  
[Z. Cai](#), S.L. Blair, and S.A. Nizkorodov  
*Degradation of atmospheric organic aerosols under UV illumination.*
88. 33<sup>rd</sup> Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 24, 2016, Irvine, CA, USA  
[P.K. Aiona](#), S.A. Nizkorodov  
*Effects of humidity, NO<sub>x</sub>, and ammonia on the optical properties and molecular composition of photo-oxidized naphthalene secondary organic aerosols.*
87. 33<sup>rd</sup> Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 24, 2016, Irvine, CA, USA

- [D.E. Romonosky](#), A. Laskin, J. Laskin, S.A. Nizkorodov  
*Aqueous photochemical aging and molecular-level characterization of secondary organic aerosol using high-resolution mass spectrometry*
86. 33<sup>rd</sup> Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 24, 2016, Irvine, CA, USA
- [K.T. Malecha](#), S.A. Nizkorodov  
*Photolysis of secondary organic aerosol material as a source of small oxygenated volatile organic compounds*
85. 251<sup>st</sup> Annual American Chemical Society (ACS) National Meeting, March 13-17, 2016, San Diego, CA, USA  
[S.H. Kim](#), C.R. Englemann, L.T. Fleming, K.T. Malecha, S.A. Nizkorodov  
*Photolysis of atmospherically relevant carbonyl compounds in different phases*
84. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 15-20, 2015, Honolulu, HI, USA  
[L.T. Fleming](#), S.A. Nizkorodov, D.R. Blake, R.D. Edwards, P. Lin, A. Laskin, J. Laskin, K.R. Smith, N.K. Arora, M. Vaswani  
*Chemical composition of PM<sub>2.5</sub> and VOC emissions from household cookstoves in Palwal District, Haryana, India*
83. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 15-20, 2015, Honolulu, HI, USA  
[K.T. Malecha](#), S.A. Nizkorodov  
*Photolysis of secondary organic aerosol material as a source of small oxygenated volatile organic compounds*
82. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 15-20, 2015, Honolulu, HI, USA  
[D.E. Romonosky](#), A. Laskin, J. Laskin, S.A. Nizkorodov  
*Aqueous photochemical aging and molecular-level characterization of secondary organic aerosol using high-resolution mass spectrometry*
81. The International Chemical Congress of Pacific Basin Societies (Pacifichem), December 15-20, 2015, Honolulu, HI, USA  
[P.K. Aiona](#), A. MacMillan, H.J. Lee, X. Zhang, T. Helgestad, G. Novak, P. Lin, V. Perraud, J. Laskin, A. Laskin, T. Bertram, C. Cappa, and S.A. Nizkorodov.  
*Effects of humidity, NO<sub>x</sub>, and ammonia on the optical properties and molecular composition of photo-oxidized naphthalene secondary organic aerosols*
80. Conference of Ford Fellows, September 2015, Washington, D.C., USA  
[P.K. Aiona](#), J. Montoya, and S.A. Nizkorodov  
*Effects of ammonia on aerosol composition*
79. UCI SoCal Undergraduate Chemistry Symposium, August 5, 2015, Irvine, CA, USA  
[S.H. Kim](#), C.R. Englemann, S.A. Nizkorodov  
*Photolysis of atmospherically relevant carbonyl compounds in different solutions*
78. 2015 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 16, 2015, Irvine, CA, USA  
[C.R. Englemann](#), [S.H. Kim](#), S.A. Nizkorodov  
*Photolysis of atmospherically relevant carbonyl compounds in different solutions*
77. ACSSA Southern California Undergraduate Research Conference at UCSD, April 11, 2015, San Diego, CA, USA  
[C.R. Englemann](#), [S.H. Kim](#), S.A. Nizkorodov  
*Photolysis of atmospherically relevant carbonyl compounds in different solutions*
76. 32<sup>nd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, April 2015, Northridge, CA USA  
[D.E. Romonosky](#), N.N. Ali, M.N. Saiduddin, M. Wu, H.J. Lee, P.K. Aiona, S.A. Nizkorodov  
*Effective absorption cross sections and photolysis rates of model anthropogenic and biogenic secondary organic aerosols*
75. 32<sup>nd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, April 2015, Northridge, CA USA  
[P.K. Aiona](#), H.J. Lee, S.A. Nizkorodov, J. Laskin, and A. Laskin  
*Absorption coefficient, molecular composition, and photodegradation of different types of brown carbon aerosols*
74. 32<sup>nd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, April 2015, Northridge, CA USA  
[S.L. Blair](#), A.C. MacMillan, P. Lin, J. Laskin, A. Laskin, S.A. Nizkorodov  
*Composition and photochemistry of diesel fuel secondary organic aerosol*
73. 33<sup>rd</sup> Annual AAAR Conference, October 20-24, 2014, Orlando, FL, USA  
[D. Romonosky](#), S.A. Nizkorodov, J. Laskin, and A. Laskin  
*Molecular composition and photochemical aging of alpha-pinene SOA and alpha-humulene SOA generated under nocturnal and diurnal conditions*
72. 248<sup>th</sup> ACS National Meeting & Exposition, August 2014, San Francisco, CA, USA  
[A.C. MacMillan](#), T.M. McIntire, J.A. Freites, S.A. Epstein, D.J. Tobias, and S.A. Nizkorodov  
*Effect of alkyl chain length on hygroscopicity of nanoparticles and thin films of imidazolium-based ionic liquids*
71. 2014 Undergraduate Research Opportunities Program (UROP) Symposium, May 2014, Irvine, CA, USA  
[N.N. Ali](#), [M.N. Saiduddin](#), D. Romonosky and S.A. Nizkorodov  
*A systematic evaluation of the ability of organic aerosols to absorb visible and ultraviolet radiation*
70. Southern California Undergraduate Research Conference in Chemistry and Biochemistry, April 2014, Irvine, CA, USA  
[N.N. Ali](#), [M.N. Saiduddin](#), D. Romonosky and S.A. Nizkorodov  
*A systematic evaluation of the ability of organic aerosols to absorb visible and ultraviolet radiation*
69. 31<sup>st</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2014, Riverside, California, USA

- [D.E. Romonosky](#), H.J. Lee, S.A. Epstein, J. Laskin, A. Laskin, and S.A. Nizkorodov  
*A systematic evaluation of the extent of photochemical processing in different types of secondary organic aerosols in the aqueous phase*
68. 31<sup>st</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2014, Riverside, California, USA
- [M.L. Hinks](#), H. Lignell, and S.A. Nizkorodov  
*Photochemistry in Atmospheric Condensed Phases: Exploring the Effects of Matrix*
67. 31<sup>st</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2014, Riverside, California, USA
- [H.J. Lee](#), P. Aiona, A. Laskin, J. Laskin, S.A. Nizkorodov  
*Photobleaching and molecular level analysis of brown carbon aerosols*
66. 31<sup>st</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2014, Riverside, CA USA
- [S.L. Blair](#), S.A. Epstein and S.A. Nizkorodov  
*Peroxide content of  $\alpha$ -pinene SOA as a function of UV exposure*
65. 2014 AirUCI International Workshop, January 2014, Laguna Beach, California, USA
- [M.L. Hinks](#), H. Lignell, and S.A. Nizkorodov  
*Photochemistry in Atmospheric Condensed Phases: Exploring the Effects of Matrix*
64. 2014 AirUCI International Workshop, January 2014, Laguna Beach, California, USA
- [A.C. MacMillan](#), T.M. McIntire, S.A. Epstein, and S.A. Nizkorodov  
*Effect of alkyl chain length on hygroscopicity of nanoparticles and thin films of imidazolium-based ionic liquids*
63. 46<sup>th</sup> Annual Fall American Geophysical Union Meeting, December 2013, San Francisco, California, USA
- [D.E. Romonosky](#), H.J. Lee, S.A. Epstein, J. Laskin, A. Laskin, and S.A. Nizkorodov  
*A systematic evaluation of the extent of photochemical processing in different types of secondary organic aerosols in the aqueous phase.*
62. 32<sup>nd</sup> Annual American Association for Aerosol Research Conference, October, 2013, Portland, OR USA
- [S.L. Blair](#), S.A. Epstein and S.A. Nizkorodov  
*The photolytic processing of organic aerosols through carbonyl photochemistry*
61. 30<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2013, Pasadena, CA, USA
- [S.L. Blair](#), S.A. Epstein and S.A. Nizkorodov  
*The photolytic processing of organic aerosols: undecanal as a surrogate of carbonyl photochemistry*
60. 30<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2013, Pasadena, CA, USA
- [H.J. Lee](#), A. Laskin, J. Laskin, S.A. Nizkorodov  
*Fluorescence and photobleaching of secondary brown carbon*
59. 2013 AirUCI International Workshop, January 2013, Laguna Beach, California, USA
- [H.J. Lee](#), P. Aiona, A. Laskin, J. Laskin, S.A. Nizkorodov  
*Fluorescence and photobleaching of secondary brown carbon*
58. 31<sup>st</sup> Annual American Association for Aerosol Research Conference, October 2012, Minneapolis, MN USA
- [S.L. Blair](#), D. Shemesh, R.B. Gerber, A.P. Bateman, and S.A. Nizkorodov  
*Photolysis of aldehydes in organic matrices as a model for photolytic processing of organic aerosols*
57. American Institute of Chemical Engineers, October 2012, Pittsburgh, Pennsylvania, USA
- [S.A. Epstein](#)  
*The thermodynamics and chemistry of atmospheric organic compounds*
56. 2012 Undergraduate Research Opportunities Program (UROP) Symposium, May 2012, Irvine, California, USA
- [C.D. Eyerly](#) and S.A. Nizkorodov  
*Photolysis of environmental organics investigated using quartz crystal microbalance*
55. 2012 Undergraduate Research Opportunities Program (UROP) Symposium, May 2012, Irvine, California, USA
- [V.T. Tran](#), S.A. Epstein, and S.A. Nizkorodov  
*UV-Photolysis of  $CH_3OOH$  in Water and Ice*
54. 29<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2012, Fullerton, California, USA
- [S.L. Blair](#), S.A. Epstein, and S.A. Nizkorodov  
*Photolysis of aldehydes in organic matrices*
53. 29<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2012, Fullerton, California, USA
- [S.A. Epstein](#) and S.A. Nizkorodov  
*A comparison of the chemical sinks of atmospheric organics in the gas and aqueous phase*
52. 29<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2012, Fullerton, California, USA
- [H. Lignell](#) and S.A. Nizkorodov  
*Aqueous photolysis of cis-pinonic acid*

51. 29<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2012, Fullerton, California, USA  
[T.B. Nguyen](#), A. Laskin, J. Laskin, and S.A. Nizkorodov  
*Direct aqueous photochemistry of isoprene photooxidation SOA*
50. 2012 AirUCI International Workshop, January 2012, Laguna Beach, California, USA  
[S.L. Blair](#), S.A. Epstein, and S.A. Nizkorodov  
*Photolysis of aldehydes in organic matrices*
49. 2012 AirUCI International Workshop, January 2012, Laguna Beach, California, USA  
[T.B. Nguyen](#), P.B. Lee, K. M. Updyke, D.L. Bones, J. Laskin, A. Laskin, and S.A. Nizkorodov  
*Effect of cloud processing on light absorption properties of SOA*
48. 44<sup>th</sup> Annual Fall American Geophysical Union Meeting, December 2011, San Francisco, California, USA  
[S.A. Epstein](#), D. Shemesh, V.T. Tran, S.A. Nizkorodov, R.B. Gerber  
*Absorption spectra and photolysis of methyl peroxide in liquid and frozen water*
47. 30<sup>th</sup> Annual American Association for Aerosol Research Conference, October 2011, Orlando, Florida USA  
[S.A. Epstein](#), D. Shemesh, V.T. Tran, S.A. Nizkorodov, R.B. Gerber  
*Absorption spectra and photolysis of methyl peroxide in liquid and frozen water*
46. 242<sup>nd</sup> American Chemical Society National Meeting, August 2011, Denver, Colorado, USA  
[A.C. MacMillan](#), T.M. McIntire, J.W. Morrison, D.J. Tobias and S.A. Nizkorodov  
*Interaction of water vapor with aerosolized ionic liquid nanoparticles and with bulk ionic liquids*
45. Gordon Research Conference on "Atmospheric Chemistry", July 2011, West Dover, Vermont, USA  
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Photolytic processing of aqueous biogenic secondary organic aerosol*
44. 30<sup>th</sup> Annual American Association for Aerosol Research Conference, October 2011, Orlando, Florida USA  
[T.B. Nguyen](#), P.J. Roach, J. Laskin, A. Laskin and S.A. Nizkorodov  
*Effect of chemical aging by ammonia on the molecular composition and yield of naphthalene and diesel photooxidation secondary organic aerosol*
43. 4<sup>th</sup> International Water Association Conference on Natural Organic Matter, July 2011, Costa Mesa, California, USA  
[K.M. Updyke](#), T.B. Nguyen and S.A. Nizkorodov  
*Chemical aging of atmospheric secondary organic aerosols by n-containing compounds leading to colored dissolved organic matter*
42. 4<sup>th</sup> International Water Association Conference on Natural Organic Matter, July 2011, Costa Mesa, California, USA  
[T.B. Nguyen](#), P.B. Lee, K.M. Updyke and S.A. Nizkorodov  
*Molecular characterization of products formed from the simulated cloud processing of organic aerosol*
41. 241<sup>st</sup> American Chemical Society National Meeting, March 2011, Anaheim, California, USA  
[J.B. Morrison](#), A.C. MacMillan, C.W. Harmon and S.A. Nizkorodov  
*Effect of varied electrospray capillary distance on NaCl/SDS nanoparticle composition*
40. 28<sup>th</sup> Informal Symposium on Kinetics and Photochemistry in the Atmosphere, March, 2011, Irvine, California, USA  
[P.B. Lee](#), T.B. Nguyen and S.A. Nizkorodov  
*Formation of light-absorbing compounds during evaporation of aqueous solutions of biogenic secondary organic aerosols*
39. 28<sup>th</sup> Informal Symposium on Kinetics and Photochemistry in the Atmosphere, March, 2011, Irvine, California, USA  
[K.M. Updyke](#), T.B. Nguyen and S.A. Nizkorodov  
*Chemical aging of atmospheric secondary organic aerosols by N-containing compounds*
38. 28<sup>th</sup> Informal Symposium on Kinetics and Photochemistry in the Atmosphere, March, 2011, Irvine, California, USA  
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Efficient cloud processing of biogenic secondary organic aerosol by aqueous photochemistry*
37. 29<sup>th</sup> Annual American Association for Aerosol Research Conference, October 2010, Portland, Oregon, USA  
[T.B. Nguyen](#), S.A. Nizkorodov, J. Laskin and A. Laskin  
*Effects of NO<sub>x</sub> and humidity on the molecular composition of isoprene photooxidation secondary organic aerosol*
36. 29<sup>th</sup> Annual American Association for Aerosol Research Conference, October 2010, Portland, Oregon, USA  
[A.C. MacMillan](#), J.B. Morrison, C.W. Harmon and S.A. Nizkorodov  
*Enhancement of surface-active species in nanoparticles produced by an electrospray aerosol generator*
35. 11<sup>th</sup> Science Conference of the International Global Atmosphere Chemistry (IGAC) Project, July 2010, Halifax, Canada  
[D.L. Bones](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Slow aging in secondary organic aerosol observed by liquid chromatography with simultaneous detection via spectrophotometry and high-resolution mass spectrometry*
34. 27<sup>th</sup> Informal Symposium on Kinetics and Photochemistry in the Atmosphere, February, 2010, San Diego, California, USA  
[J.E. Klobas](#) and S.A. Nizkorodov  
*Characterization of secondary organic aerosol photolysis by quartz crystal microbalance*
33. 27<sup>th</sup> Informal Symposium on Kinetics and Photochemistry in the Atmosphere, February, 2010, San Diego, California, USA  
[D.L. Bones](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Slow aging in secondary organic aerosol observed by liquid chromatography coupled with high-resolution mass spectrometry*

32. 27<sup>th</sup> Informal Symposium on Kinetics and Photochemistry in the Atmosphere, February, 2010, San Diego, California, USA  
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov  
*Analysis of organic aerosol samples collected with a particle into liquid sampler (PILS) using high resolution electrospray ionization mass spectrometry*
31. 2010 Undergraduate Research Opportunities Program (UROP) Symposium, May 2010, Irvine, CA, USA  
[J.E. Klobas](#) and S.A. Nizkorodov  
*Characterization of secondary organic aerosol photolysis by quartz crystal microbalance*
30. 2010 Undergraduate Research Opportunities Program (UROP) Symposium, May 2010, Irvine, CA, USA  
[Z. Cabral](#), S.A. Nizkorodov and D.L. Bones  
*Synthesis and properties of model 1,5-dicarbonyls*
29. 2010 Undergraduate Research Opportunities Program (UROP) Symposium, May 2010, Irvine, CA, USA  
[K. Kim](#), S.A. Nizkorodov and A.P. Bateman  
*Photodegradation of oxidized undecylenic acid*
28. 237<sup>th</sup> American Chemical Society National Meeting, March 2009, Salt Lake City, Utah, USA  
[D.L. Bones](#), S.A. Mang, D.K. Henricksen, A.P. Bateman, T.B. Nguyen and S.A. Nizkorodov  
*Aging of secondary organic aerosol from terpene ozonolysis over long time scales*
27. 26<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2009, Riverside, California, USA  
[A.P. Bateman](#), T.B. Nguyen, M.L. Walser, Y. Desyaterik, J. Laskin, A. Laskin and S.A. Nizkorodov  
*Analysis of secondary organic aerosol using high resolution electrospray ionization mass spectrometry*
26. 26<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2009, Riverside, California, USA  
[C.W. Harmon](#), M. Peterson, S.A. Nizkorodov, V.M. Bergstedt, D.J. Tobias, B. Njegic, R.B. Gerber  
*Hygroscopic growth of NaCl nanoparticles enriched with surfactant sodium dodecyl sulfate (SDS)*
25. 2008 Undergraduate Research Opportunities Program (UROP) Symposium, May 2008, Irvine, CA  
[S.A. Wilkinson](#), T.L. Lewis, A.L. Gomez and S.A. Nizkorodov  
*Stoichiometry of ozonation of olefins in organic solvents*
24. 25<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2008, Los Angeles, California, USA  
[C.W. Harmon](#), A. Alshawa, J.S. Underwood and S.A. Nizkorodov  
*Hygroscopicity of amphiphilic nanoparticles: the role of size and composition*
23. 25<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2008, Los Angeles, California, USA  
[S.A. Mang](#), X. Pan, J.-H. Xing, M.S. Andersen, A.P. Bateman, D. Henricksen, M.L. Walser, J.S. Underwood and S.A. Nizkorodov  
*Photochemical aging of secondary organic aerosol from limonene oxidation*
22. American Geophysical Union Joint Assembly, May 2007, Acapulco, Mexico  
[M.L. Walser](#), Y. Desyaterik, J. Laskin, A. Laskin and S.A. Nizkorodov  
*Analysis of limonene-derived secondary organic aerosol via high-resolution mass spectrometry*
21. 24<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2007, Los Angeles, California, USA  
[X. Pan](#), J.S. Underwood, T. Do and S.A. Nizkorodov  
*Mass-spectrometric characterization of products of photochemical aging of terpene SOA particles*
20. 24<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2007, Los Angeles, California, USA  
[S.A. Mang](#), A.P. Bateman, M.L. Walser and S.A. Nizkorodov  
*Photochemistry of oxidized organic aerosol particles*
19. 24<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2007, Los Angeles, California, USA  
[M.L. Walser](#), Y. Desyaterik, J. Laskin, A. Laskin and S.A. Nizkorodov  
*Analysis of limonene-derived secondary organic aerosol*
18. 24<sup>th</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2007, Los Angeles, California, USA  
[A.L. Gomez](#), T.L. Lewis, S.A. Nizkorodov  
*Stoichiometry of ozone-alkene reactions in participating and non-participating solvents*
17. International Aerosol Conference, September 2006, St. Paul, Minnesota, USA  
[S.A. Mang](#) and S.A. Nizkorodov  
*Single particle counting with chemical information by microwave plasma torch atomic emission spectroscopy*
15. 23<sup>rd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2006, Pasadena, California, USA  
[M.L. Walser](#), [A.L. Gomez](#), J. Park, J.S. Underwood, X. Pan, A.R. Russell, R. Benningsdorf and S.A. Nizkorodov  
*Oxidative and photochemical aging of various organic aerosol systems*

14. 23<sup>rd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2006, Pasadena, California, USA  
[A. Alshawa](#), J.S. Underwood, S. Ng and S.A. Nizkorodov  
*Aerosolized inverted micelles as model systems for probing atmospheric reactions of ultrafine organic particles*
13. 23<sup>rd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2006, Pasadena, California, USA  
[S.A. Mang](#), J. Park and S.A. Nizkorodov  
*Microwave plasma torch atomic emission spectroscopy for aerosol particle counting with chemical information*
12. 24<sup>th</sup> Annual AAAR Conference, October 2005, Austin, Texas, USA  
[S.A. Mang](#), J. Park and S.A. Nizkorodov  
*Microwave plasma torch atomic emission spectroscopy for aerosol particle counting with chemical information*
11. 24<sup>th</sup> Annual AAAR Conference, October 2005, Austin, Texas, USA  
[X. Pan](#), Ao Lin, J.S. Underwood and S.A. Nizkorodov  
*Ozonolysis of organic particles studied with chemical ionization aerosol particle mass spectrometry*
10. UC Toxic Substances Research & Teaching Program Conference, April 2005, Sacramento, California, USA  
[X. Pan](#), Ao Lin and S.A. Nizkorodov  
*Effect of particle size on rates of photodegradation of atmospheric toxins adsorbed on soot aerosol particles*
9. 22<sup>nd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2005, Irvine, California, USA  
[S.A. Mang](#), Ao Lin and S.A. Nizkorodov  
*Investigating the effect of microwave heating and vaporization on atmospheric aerosol particles*
8. 22<sup>nd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2005, Irvine, California, USA  
[A.L. Gomez](#), M.L. Walser, J. Park, Ao Lin, N.J. Britigan and S.A. Nizkorodov  
*Photochemical aging of model organic aerosols*
7. 22<sup>nd</sup> Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2005, Irvine, California, USA  
[N.J. Britigan](#) and S.A. Nizkorodov  
*Violation of safe levels for ozone in indoor environments by several air purifiers marketed in the United States*
6. 228<sup>th</sup> American Chemical Society National Meeting, August 2004, Philadelphia, Pennsylvania, USA  
[Ao Lin](#), A. Alshawa, X. Pan, S.A. Mang, A.L. Gomez and S.A. Nizkorodov  
*Ozonolysis of organic particles studied with laser ablation - chemical ionization aerosol mass spectrometry'*
5. CRC Workshop on Chemistry at Interfaces, June 2004, Newport Beach, California, USA  
[Ao Lin](#), A. Alshawa, X. Pan, S.A. Mang and S.A. Nizkorodov  
*Toward analysis of flame- and discharge- generated soot particles with chemical ionization aerosol mass spectrometry'*
4. 21<sup>st</sup> Informal Symposium on Kinetic and Photochemical Processes in the Atmosphere, February 2004, Fullerton, California, USA  
[A.L. Gomez](#), Ao Lin, D. Whitt and S.A. Nizkorodov  
*Ozonolysis of unsaturated fatty acids studied with cavity ring-down spectroscopy*
3. 22<sup>nd</sup> Annual AAAR Conference, October 2003, Anaheim, California, USA  
[A.L. Gomez](#), S.A. Nizkorodov, A. Alshawa, Ao Lin and X. Pan  
*Surface photochemistry of oxidized organic layers immobilized on sea-salt studied with cavity-ring down spectroscopy*
2. 24<sup>th</sup> Annual AAAR Conference, October 2003, Anaheim, California, USA.  
[Ao Lin](#), A. Alshawa, A.L. Gomez, X. Pan and S.A. Nizkorodov  
*Novel instrumentation for investigation of photochemistry on PAH coated soot particles*
1. 20<sup>th</sup> Informal Symposium on Kinetic and Photochemical Processes in the Atmosphere, February 2003, Riverside, California, USA  
[A.L. Gomez](#) and S.A. Nizkorodov  
*Photochemistry of organic aerosols*