

Presentations by the Nizkorodov Group Students and Postdoctoral Researchers (2002 – present)

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ABOUT THIS FILE

This document contains a compilation of platform and poster presentations by the undergraduate students, graduate students, and postdoctoral researchers on the research they have done in the group.

- Names of the presenting authors are underlined
- If the presenting author is an **undergraduate student** from the group his/her name is shown in **blue**
- If the presenting author is a **graduate student** from the group his/her name is shown in **green**
- If the presenting author is a **postdoctoral researcher** from the group his/her name is shown in **brown**

ORAL PRESENTATIONS

67. Undergraduate Research Opportunities Presentation (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, 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. 253rd 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. 35th 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. 35th 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. 252nd 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. 34th 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. 34th 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. 26th 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. 249th 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. 33rd 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. 33rd 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. 2nd 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. 248th 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. 248th 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. 32nd 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. 31st 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. 31st 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. 30th 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. 29th 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 O₃- 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. Njegic, D.J. Tobias, R.B. Gerber and S.A. Nizkorodov
Hygroscopic growth of NaCl nanoparticles containing surfactant sodium dodecyl sulfate (SDS)
21. 235th 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. 235th 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. 26th 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. 26th 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. 232nd 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. 232nd American Chemical Society National Meeting, September 2006, San Francisco, California, USA
[A. Alshawa](#), J.S. Underwood, S. Ng and S.A. Nizkorodov
Hygroscopicity of ultrafine organic aerosol particles: the role of chemical composition and structure
9. 231st American Chemical Society National Meeting, March 2006, Atlanta, Georgia, USA.
[J.S. Underwood](#), A. Alshawa, S. Ng and S.A. Nizkorodov
Aerosolized inverted micelles as model systems for probing atmospheric reactions of ultrafine organic particles
8. 2006 AirUCI Meeting, January 2006, Laguna Beach, California, USA
[A.L. Gomez](#), M.L. Walser, J. Park, A.R. Russell and S.A. Nizkorodov
Piecing it together: oxidative and photochemical aging of various organic aerosol systems
7. 2006 AirUCI Meeting, January 2006, Laguna Beach, California, USA
[J.S. Underwood](#), A. Alshawa, S. Ng and S.A. Nizkorodov
Aerosolized inverted micelles as model systems for probing atmospheric reactions of ultrafine organic particles
6. 231st 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
A study on the photo-aging of secondary organic aerosol
5. 40th American Chemical Society Western Regional Meeting, January 2006, Anaheim, California, USA
[J.S. Underwood](#), A. Alshawa, S. Ng and S.A. Nizkorodov
Aerosolized inverted micelles as model systems for probing atmospheric reactions of ultrafine organic particles
4. 40th American Chemical Society Western Regional Meeting, January 2006, Anaheim, California, USA
[S.A. Mang](#), J. Park and S.A. Nizkorodov
Single particle analysis using microwave plasma torch atomic emission spectroscopy
3. 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
Ozonolysis and subsequent photolysis of unsaturated organic molecules: model systems for photochemical aging of organic aerosol particles
2. 24th 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
Photochemistry of oxidized organic aerosol particles
1. 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

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. 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. 34th 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. 34th 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. 34th 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. 34th 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. 35th 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. 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. 33rd 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_x, and ammonia on the optical properties and molecular composition of photo-oxidized naphthalene secondary organic aerosols.
87. 33rd 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. 33rd 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. 251st 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_{2.5} 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_x, 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. 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. 32nd 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. 32nd 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. 32nd 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. 33rd 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. 248th 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. 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. Nizkorodov
A systematic evaluation of the ability of organic aerosols to absorb visible and ultraviolet radiation
69. 31st 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. 31st 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. 31st 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. Nizkorodov
Photobleaching and molecular level analysis of brown carbon aerosols
66. 31st 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

64. *Photochemistry in Atmospheric Condensed Phases: Exploring the Effects of Matrix*
2014 AirUCI International Workshop, January 2014, Laguna Beach, California, USA
[A.C. MacMillan](#), T.M. McIntire, S.A. Epstein, and S.A. Nizkorodov
63. *Effect of alkyl chain length on hygroscopicity of nanoparticles and thin films of imidazolium-based ionic liquids*
46th 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
62. *A systematic evaluation of the extent of photochemical processing in different types of secondary organic aerosols in the aqueous phase.*
32nd Annual American Association for Aerosol Research Conference, October, 2013, Portland, OR USA
[S.L. Blair](#), S.A. Epstein and S.A. Nizkorodov
61. *The photolytic processing of organic aerosols through carbonyl photochemistry*
30th 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
60. *The photolytic processing of organic aerosols: undecanal as a surrogate of carbonyl photochemistry*
30th Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2013, Pasadena, CA, USA
[H.J. Lee](#), A. Laskin, J. Laskin, S. Nizkorodov
59. *Fluorescence and photobleaching of secondary brown carbon*
2013 AirUCI International Workshop, January 2013, Laguna Beach, California, USA
[H.J. Lee](#), P. Aiona, A. Laskin, J. Laskin, S. Nizkorodov
58. *Fluorescence and photobleaching of secondary brown carbon*
31st 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
57. *Photolysis of aldehydes in organic matrices as a model for photolytic processing of organic aerosols*
American Institute of Chemical Engineers, October 2012, Pittsburgh, Pennsylvania, USA
[S.A. Epstein](#)
56. *The thermodynamics and chemistry of atmospheric organic compounds*
2012 Undergraduate Research Opportunities Program (UROP) Symposium, May 2012, Irvine, California, USA
[C.D. Eyerly](#) and S. A. Nizkorodov
55. *Photolysis of environmental organics investigated using quartz crystal microbalance*
2012 Undergraduate Research Opportunities Program (UROP) Symposium, May 2012, Irvine, California, USA
[V.T. Tran](#), S.A. Epstein, and S. A. Nizkorodov
54. *UV-Photolysis of CH₃OOH in Water and Ice*
29th 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
53. *Photolysis of aldehydes in organic matrices*
29th Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2012, Fullerton, California, USA
[S.A. Epstein](#) and S.A. Nizkorodov
52. *A comparison of the chemical sinks of atmospheric organics in the gas and aqueous phase*
29th Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2012, Fullerton, California, USA
[H. Lignell](#) and S. A. Nizkorodov
51. *Aqueous photolysis of cis-pinonic acid*
29th 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
50. *Direct aqueous photochemistry of isoprene photooxidation SOA*
2012 AirUCI International Workshop, January 2012, Laguna Beach, California, USA
[S.L. Blair](#), S.A. Epstein, and S.A. Nizkorodov
49. *Photolysis of aldehydes in organic matrices*
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
48. *Effect of cloud processing on light absorption properties of SOA*
44th 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
47. *Absorption spectra and photolysis of methyl peroxide in liquid and frozen water*
30th 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
46. *Absorption spectra and photolysis of methyl peroxide in liquid and frozen water*
242nd 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
45. *Interaction of water vapor with aerosolized ionic liquid nanoparticles and with bulk ionic liquids*
Gordon Research Conference on "Atmospheric Chemistry", July 2011, West Dover, Vermont, USA
[A.P. Bateman](#), J. Laskin, A. Laskin and S.A. Nizkorodov
44. *Photolytic processing of aqueous biogenic secondary organic aerosol*
30th 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
43. *Effect of chemical aging by ammonia on the molecular composition and yield of naphthalene and diesel photooxidation secondary organic aerosol*
4th 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. 4th 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. 241st 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. 28th 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. 28th 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. 28th 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. 29th 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_x and humidity on the molecular composition of isoprene photooxidation secondary organic aerosol
36. 29th 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. 11th 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. 27th 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. 27th 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. 27th 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. 237th 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. 26th 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. 26th 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. 25th 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. 25th 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. 24th 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. 24th 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. 24th 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. 24th 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. 23rd 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. 23rd 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. 23rd 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. 24th 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. 24th 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. 22nd 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. 22nd 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. Brigitan and S.A. Nizkorodov
Photochemical aging of model organic aerosols
7. 22nd 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. 228th 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. 21st 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. 22nd 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. 24th 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. 20th 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