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 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**

106. **264th 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. **264th 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. **264th 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. **40th Annual American Association for Aerosol Research (AAAR) Conference**, October 3-7, 2022, Raleigh, NC, USA
   Characterization of VOC and Particle Emissions in Exhaled Air during Vaping

102. **40th 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. **40th 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
   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
   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
Acid-catalyzed aging of secondary organic aerosols

V. J. Baboomian, G. Crescenzo, Y. Huang, F. Mahrt, A. K. Bertram, S.A. Nizkorodov

Viscosity of the photo-recalcitrant fraction of biogenically derived SOA

The effects of ammonium on the aging of oxaloacetic acid in the atmospheric aqueous phase

Viscosity and liquid-liquid phase separation in healthy and stressed pine tree SOA

Highly Viscous Secondary Organic Aerosol from Healthy and Stressed Pine Trees

A Laboratory and Modeling Investigation of the Effects of Ammonia and Amine Uptake on SOA Composition and Its Potential Impacts on Air Quality

Condensed Phase Photochemical Reactions of Secondary Organic Aerosols: Photodegradation and Photosensitized Reactions

Viscosity and LLPS of SOA from Healthy and Stressed Pine Trees

Long Term Photodegradation of Secondary Organic Aerosols

Aqueous photochemistry of secondary organic aerosol in the presence of common inorganic salts

Mass absorption coefficients of secondary organic aerosol in solid phase versus in solution

Photochemistry of Keto-Acids in Liquid and Solid States

Characterization of Secondary Organic Aerosol Formation by Reactions of Iron (III) Chloride

Photolysis of brown carbon chromophores produced from simulated forest fires during the FIREX campaign

The role of ammonia: Interactions with particles and impacts on air quality

An investigation of viscous SOA in the atmosphere

Aqueous Photochemical Reactions in Clouds

Condensed Phase Photochemistry of Secondary Organic Aerosols

Presentations by the Nizkorodov group members - 2
Effects of Ammonia Uptake on SOA Composition and Its Potential Impacts on Air Quality


Formation, Composition, and Air Quality of Indole SOA


Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India


Viscosity effects on photochemical processes in secondary organic materials


Effective absorption cross sections and photolysis rates of model anthropogenic and biogenic secondary organic aerosols


Volatilization of aerosol bound organic compounds in electronic cigarette emissions


“Clean” tobacco: A water pipe dream?

K.T. Malecha, S.A. Nizkorodov

Irradiation of secondary organic aerosol material in the presence of volatile organic compounds: The role of photosensitization

M.L. Hinks, J. Montoya, J. Horne, S.A. Nizkorodov, D. Dabdub

Impact of Ammonia on SOA Concentration and Composition

K.T. Malecha, S.A. Nizkorodov

Photolysis of secondary organic aerosol material in the presence of volatile organic compounds: The role of photosensitization


Composition and photochemistry of biodiesel and diesel fuel SOA


Effective absorption cross sections and photolysis rates of model anthropogenic and biogenic secondary organic aerosols


Composition and photochemistry of biodiesel and diesel fuel SOA


Volatile organic compounds and particles in electronic cigarette emissions

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 peroxyde 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 samplers

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

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. 25th 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. 25th 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  

Presentations by the Nizkorodov group members - 5
J.-H. Xing, A.P. Bateman, S.A. Mang and S.A. Nizkorodov

*Photochemical aging of organic aerosol particles*


*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 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


*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**

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. 40th Annual American Association for Aerosol Research (AAAR) Conference, October 3-7, 2022, Raleigh, NC, USA

*S. Liu, S.A. Nizkorodov, C.B. Faiola*

*Presentations by the Nizkorodov group members - 6*
Effect of Product Cross-Reactions from Oxidation of Cyclic and Acyclic Monoterpene Mixtures on Secondary Organic Aerosol

124. 40th 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. 38th Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), June 15, 2022 Irvine, CA, USA
Sunlight converts atmospheric aerosols into a glassy solid state and modifies their environmental impacts

122. 38th 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. 38th 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. 38th Annual Informal Gathering on Atmospheric Sciences and Photochemistry (IGASP), June 15, 2022 Irvine, CA, USA
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

119. 38th Annual American Association for Aerosol Research (AAAR) Conference, October 5-9, 2020, Online Conference
C. Wong, D. Vite, S.A. Nizkorodov

Formation and Properties of Nitrogen-Containing Organic Compounds in Secondary Organic Aerosol (SOA)

118. 37th Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA
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. 37th 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. 37th 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

115. 37th 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
Solid versus solution phase UV-visible absorption of secondary organic aerosols

114. 37th Annual American Association for Aerosol Research (AAAR) Conference, October 14-18, 2019, Portland, OR, USA
M. Olsen, N.R. Smith, S.A. Nizkorodov
Molecular composition of brown carbon chromophores produced during simulated forest fires and their photochemical lifetimes

113. 258th 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

Ammonia and Amine Uptake by SOA Leads to Nitrogen-Containing Organic Compounds (NOC) Formation in SOA Particles

112. 36th Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 10, 2019, Riverside, CA, USA
Ammonia and Amine Uptake by SOA Leads to Nitrogen-Containing Organic Compounds (NOC) Formation in SOA Particles

111. 36th Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 10, 2019, Riverside, CA, USA
Molecular composition of brown carbon chromophores produced during simulated forest fires and their photochemical lifetimes

110. 2019 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 18, 2019, Irvine, 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

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

108. Gordon Research Conference on Atmospheric Chemistry, July 28-August 2, 2019, Newry, ME, USA
Ammonia and Amine Uptake by SOA Leads to Nitrogen-Containing Organic Compounds (NOC) Formation in SOA Particles

107. 36th Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 10, 2019, Riverside, CA, USA
A Laboratory and Modeling Investigation on the Effects of NH3 and Amine Uptake on SOA Composition and its Potential Impacts on Air Quality

106. 36th Annual Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 10, 2019, Riverside, CA, USA
Liquid-liquid phase separation and viscosity within secondary organic aerosol generated from diesel fuel vapor

105. 2019 UCI Undergraduate Research Opportunities Program (UROP) Symposium, May 18, 2019, Irvine, CA, USA
H. Chin, L. Fleming, H. Al-Abadleh, S.A. Nizkorodov

Presentations by the Nizkorodov group members - 7
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

S. Gu, N.N. Ali and S.A. Nizkorodov

Effects of Transition Metals on Optical Properties of Atmospheric Organic Aerosols

105. 10th International Aerosol Conference (IAC), September 24-26, 2018, St. Louis, MO, USA


A Laboratory and Modeling Investigation on the Effects of Ammonia Uptake on SOA Composition and Its Potential Impacts on Air Quality

104. 35th Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), March 30, 2018, Pasadena, CA, USA.


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


Secondary Organic Aerosol (SOA) from Photooxidation of Indole


Secondary Organic Aerosol (SOA) from Photooxidation of Indole

101. NSF-GRFP Symposium: Training for Tomorrow, May 26, 2017, Irvine, CA, USA


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. 34th Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere (ISKPPA), May 12, 2017, San Diego, CA, USA


Climate-Relevant Compounds Produced from Burning Forest Fire Fuels in Conjunction with the FIREX campaign

96. 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

95. 34th  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.

94. International Global Atmospheric Chemistry (IGAC), September 26-30, 2016, Breckenridge, CO, USA


Secondary organic aerosol (SOA) from photooxidation of indole

93. 35th Annual American Association for Aerosol Research (AAAR) Conference, October 2016, Portland, OR, USA

J. Montoya, M.L. Hinks, S.A. Nizkorodov, J.R. Horne, and D. Dabdub

Effects of ammonia on SOA formation and composition

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

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. 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, NOx, 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
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
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

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
Effects of humidity, NOx, 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
S.L. Blair, A.C. MacMillan, P. Lin, J. Laskin, A. Laskin, S.A. Nizkorodov
Composition and photochemistry of diesel fuel secondary organic aerosol

76. 32nd Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, April 2015, Northridge, CA USA
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
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. 31st Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, March 2014, Riverside, California, USA
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.A. 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
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. 46th Annual Fall American Geophysical Union Meeting, December 2013, San Francisco, California, USA
A systematic evaluation of the extent of photochemical processing in different types of secondary organic aerosols in the aqueous phase.

62. 32nd 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. 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
The photolytic processing of organic aerosols: undecanal as a surrogate for carbonyl photochemistry

60. 30th 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. 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
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. Everly 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 $\text{CH}_3\text{OOH}$ in Water and Ice

54. 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
Photolysis of aldehydes in organic matrices

53. 29th 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. 29th 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. 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
Direct aqueous photochemistry of isoprene photooxidation SOA

49. 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

48. 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
Absorption spectra and photolysis of methyl peroxide in liquid and frozen water

47. 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
Absorption spectra and photolysis of methyl peroxide in liquid and frozen water

46. 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
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. 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
Effect of chemical aging by ammonia on the molecular composition and yield of naphthalene and diesel photooxidation secondary organic aerosol

43. 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
K.M. Updyke, 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 NOx 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
  *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*
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*

16. 23rd Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2006, Pasadena, California, USA

A.L. Gomez, T.L. Lewis, S.A. Nizkorodov
*Stoichiometry of ozone-alkene reactions in participating and non-participating solvents*

15. 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*

14. 23rd Informal Symposium on Kinetics and Photochemical Processes in the Atmosphere, February 2006, Pasadena, California, USA

*Oxidative and photochemical aging of various organic aerosol systems*

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

*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. 21st 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*