

Sergey A Nizkorodov

List of Publications by Year in descending order

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173
papers

10,629
citations

30070

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docs citations

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times ranked

6411
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Modeling Reactive Ammonia Uptake by Secondary Organic Aerosol in a Changing Climate: A WRF-CMAQ Evaluation. <i>Frontiers in Environmental Science</i> , 2022, 10, . | 3.3 | 2 |
| 2 | Effect of aromatic ring substituents on the ability of catechol to produce brown carbon in iron(III)-catalyzed reactions. <i>Environmental Science Atmospheres</i> , 2021, 1, 64-78. | 2.4 | 8 |
| 3 | Quenching of ketone triplet excited states by atmospheric halides. <i>Environmental Science Atmospheres</i> , 2021, 1, 31-44. | 2.4 | 9 |
| 4 | Emissions Measurements from Household Solid Fuel Use in Haryana, India: Implications for Climate and Health Co-benefits. <i>Environmental Science & Technology</i> , 2021, 55, 3201-3209. | 10.0 | 8 |
| 5 | Effect of Ammonium Salts on the Decarboxylation of Oxaloacetic Acid in Atmospheric Particles. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 931-940. | 2.7 | 2 |
| 6 | High Pressure Inside Nanometer-Sized Particles Influences the Rate and Products of Chemical Reactions. <i>Environmental Science & Technology</i> , 2021, 55, 7786-7793. | 10.0 | 12 |
| 7 | Naphthalene-Derived Secondary Organic Aerosols Interfacial Photosensitizing Properties. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093465. | 4.0 | 6 |
| 8 | Stability of α -Pinene and α -Limonene Ozonolysis Secondary Organic Aerosol Compounds Toward Hydrolysis and Hydration. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2555-2564. | 2.7 | 12 |
| 9 | Humidity-Dependent Viscosity of Secondary Organic Aerosol from Ozonolysis of β -Caryophyllene: Measurements, Predictions, and Implications. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 305-318. | 2.7 | 32 |
| 10 | Viscosity and liquid-liquid phase separation in healthy and stressed plant SOA. <i>Environmental Science Atmospheres</i> , 2021, 1, 140-153. | 2.4 | 14 |
| 11 | Superoxide Formation from Aqueous Reactions of Biogenic Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2021, 55, 260-270. | 10.0 | 35 |
| 12 | Photochemical Degradation of 4-Nitrocatechol and 2,4-Dinitrophenol in a Sugar-Glass Secondary Organic Aerosol Surrogate. <i>Environmental Science & Technology</i> , 2021, 55, 14586-14594. | 10.0 | 16 |
| 13 | Global Distribution of the Phase State and Mixing Times within Secondary Organic Aerosol Particles in the Troposphere Based on Room-Temperature Viscosity Measurements. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 3458-3473. | 2.7 | 14 |
| 14 | Effect of Humidity on the Reactive Uptake of Ammonia and Dimethylamine by Nitrogen-Containing Secondary Organic Aerosol. <i>Atmosphere</i> , 2021, 12, 1502. | 2.3 | 3 |
| 15 | Open questions on transition metals driving secondary thermal processes in atmospheric aerosols. <i>Communications Chemistry</i> , 2021, 4, . | 4.5 | 9 |
| 16 | Dust-Catalyzed Oxidative Polymerization of Catechol and Its Impacts on Ice Nucleation Efficiency and Optical Properties. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1127-1139. | 2.7 | 22 |
| 17 | Composition and volatility of secondary organic aerosol (SOA) formed from oxidation of real tree emissions compared to simplified volatile organic compound (VOC) systems. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5629-5644. | 4.9 | 31 |
| 18 | Photodegradation of Secondary Organic Aerosols by Long-Term Exposure to Solar Actinic Radiation. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1078-1089. | 2.7 | 17 |

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|----|--|------|-----------|
| 19 | UVB-irradiated Laboratory-generated Secondary Organic Aerosol Extracts Have Increased Cloud Condensation Nuclei Abilities: Comparison with Dissolved Organic Matter and Implications for the Photomineralization Mechanism. <i>Chimia</i> , 2020, 74, 142. | 0.6 | 4 |
| 20 | Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science & Technology</i> , 2020, 54, 3114-3120. | 10.0 | 65 |
| 21 | Molecular composition and photochemical lifetimes of brown carbon chromophores in biomass burning organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1105-1129. | 4.9 | 115 |
| 22 | Reactive Oxygen Species Production from Secondary Organic Aerosols: The Importance of Singlet Oxygen. <i>Environmental Science & Technology</i> , 2019, 53, 8553-8562. | 10.0 | 36 |
| 23 | Chemical characterization of nanoparticles and volatiles present in mainstream hookah smoke. <i>Aerosol Science and Technology</i> , 2019, 53, 1023-1039. | 3.1 | 8 |
| 24 | Aqueous Photochemistry of Secondary Organic Aerosol of α -Pinene and β -Humulene in the Presence of Hydrogen Peroxide or Inorganic Salts. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2736-2746. | 2.7 | 18 |
| 25 | Insights into the O ₂ :C-dependent mechanisms controlling the evaporation of α -pinene secondary organic aerosol particles. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4061-4073. | 4.9 | 23 |
| 26 | Impacts of household sources on air pollution at village and regional scales in India. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7719-7742. | 4.9 | 30 |
| 27 | Formation of Light-Absorbing Organosulfates during Evaporation of Secondary Organic Material Extracts in the Presence of Sulfuric Acid. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 947-957. | 2.7 | 38 |
| 28 | Effect of Oxalate and Sulfate on Iron-Catalyzed Secondary Brown Carbon Formation. <i>Environmental Science & Technology</i> , 2019, 53, 6708-6717. | 10.0 | 19 |
| 29 | Viscosities, diffusion coefficients, and mixing times of intrinsic fluorescent organic molecules in brown limonene secondary organic aerosol and tests of the Stokes-Einstein equation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1491-1503. | 4.9 | 24 |
| 30 | Nitrogen-containing secondary organic aerosol formation by acrolein reaction with ammonia/ammonium. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1343-1356. | 4.9 | 21 |
| 31 | Liquid-liquid phase separation and viscosity within secondary organic aerosol generated from diesel fuel vapors. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12515-12529. | 4.9 | 27 |
| 32 | Effect of relative humidity on the composition of secondary organic aerosol from the oxidation of toluene. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1643-1652. | 4.9 | 64 |
| 33 | Modeling reactive ammonia uptake by secondary organic aerosol in CMAQ: application to the continental US. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3641-3657. | 4.9 | 21 |
| 34 | Effect of Photolysis on Absorption and Fluorescence Spectra of Light-Absorbing Secondary Organic Aerosols. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 235-245. | 2.7 | 47 |
| 35 | Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2461-2480. | 4.9 | 69 |
| 36 | Mass Spectrometry Analysis in Atmospheric Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 166-189. | 6.5 | 87 |

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|----|--|------|-----------|
| 37 | Editorsâ€™ Perspective on Multiphase Chemistry in the Atmosphere. ACS Symposium Series, 2018, , 1-6. | 0.5 | 0 |
| 38 | Influence of humidity and iron(III) on photodegradation of atmospheric secondary organic aerosol particles. Physical Chemistry Chemical Physics, 2018, 20, 30021-30031. | 2.8 | 9 |
| 39 | Reactive Uptake of Ammonia by Biogenic and Anthropogenic Organic Aerosols. ACS Symposium Series, 2018, , 127-147. | 0.5 | 6 |
| 40 | Molecular Characterization of Atmospheric Brown Carbon. ACS Symposium Series, 2018, , 261-274. | 0.5 | 14 |
| 41 | Comprehensive Molecular Characterization of Atmospheric Brown Carbon by High Resolution Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization. Analytical Chemistry, 2018, 90, 12493-12502. | 6.5 | 148 |
| 42 | Predicting the glass transition temperature and viscosity of secondary organic material using molecular composition. Atmospheric Chemistry and Physics, 2018, 18, 6331-6351. | 4.9 | 116 |
| 43 | Emissions from village cookstoves in Haryana, India, and their potential impacts on air quality. Atmospheric Chemistry and Physics, 2018, 18, 15169-15182. | 4.9 | 33 |
| 44 | Adjacent keto and enol groups in photochemistry of a cyclic molecule: Products, mechanisms and dynamics. Chemical Physics, 2018, 515, 177-186. | 1.9 | 3 |
| 45 | Photodegradation of Secondary Organic Aerosol Material Quantified with a Quartz Crystal Microbalance. Environmental Science and Technology Letters, 2018, 5, 366-371. | 8.7 | 22 |
| 46 | Heating-Induced Transformations of Atmospheric Particles: Environmental Transmission Electron Microscopy Study. Analytical Chemistry, 2018, 90, 9761-9768. | 6.5 | 7 |
| 47 | Reactive uptake of ammonia by secondary organic aerosols: Implications for air quality. Atmospheric Environment, 2018, 189, 1-8. | 4.1 | 14 |
| 48 | Online single particle measurement of fireworks pollution during Chinese New Year in Nanning. Journal of Environmental Sciences, 2017, 53, 184-195. | 6.1 | 41 |
| 49 | Aqueous Photochemistry of Secondary Organic Aerosol of Î±-Pinene and Î±-Humulene Oxidized with Ozone, Hydroxyl Radical, and Nitrate Radical. Journal of Physical Chemistry A, 2017, 121, 1298-1309. | 2.5 | 51 |
| 50 | The Essential Role for Laboratory Studies in Atmospheric Chemistry. Environmental Science & Technology, 2017, 51, 2519-2528. | 10.0 | 75 |
| 51 | Feasibility of Photosensitized Reactions with Secondary Organic Aerosol Particles in the Presence of Volatile Organic Compounds. Journal of Physical Chemistry A, 2017, 121, 4961-4967. | 2.5 | 18 |
| 52 | Molecular Characterization of Organosulfur Compounds in Biodiesel and Diesel Fuel Secondary Organic Aerosol. Environmental Science & Technology, 2017, 51, 119-127. | 10.0 | 74 |
| 53 | Photochemistry of Products of the Aqueous Reaction of Methylglyoxal with Ammonium Sulfate. ACS Earth and Space Chemistry, 2017, 1, 522-532. | 2.7 | 55 |
| 54 | A Role for 2-Methyl Pyrrole in the Browning of 4-Oxopentanal and Limonene Secondary Organic Aerosol. Environmental Science & Technology, 2017, 51, 11048-11056. | 10.0 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Efficient Formation of Light-Absorbing Polymeric Nanoparticles from the Reaction of Soluble Fe(III) with C4 and C6 Dicarboxylic Acids. <i>Environmental Science & Technology</i> , 2017, 51, 9700-9708. | 10.0 | 21 |
| 56 | Molecular Chemistry of Atmospheric Brown Carbon Inferred from a Nationwide Biomass Burning Event. <i>Environmental Science & Technology</i> , 2017, 51, 11561-11570. | 10.0 | 215 |
| 57 | Plant-derived Secondary Organic Material in the Air and Ecosystems. <i>Trends in Plant Science</i> , 2017, 22, 744-753. | 8.8 | 39 |
| 58 | Secondary organic aerosol from atmospheric photooxidation of indole. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11605-11621. | 4.9 | 21 |
| 59 | Molecular Characterization of Brown Carbon in Biomass Burning Aerosol Particles. <i>Environmental Science & Technology</i> , 2016, 50, 11815-11824. | 10.0 | 237 |
| 60 | Photodegradation of Secondary Organic Aerosol Particles as a Source of Small, Oxygenated Volatile Organic Compounds. <i>Environmental Science & Technology</i> , 2016, 50, 9990-9997. | 10.0 | 63 |
| 61 | Photochemical Reactions of Cyclohexanone: Mechanisms and Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7112-7120. | 2.5 | 17 |
| 62 | Size distribution and mixing state of black carbon particles during a heavy air pollution episode in Shanghai. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5399-5411. | 4.9 | 82 |
| 63 | Effective absorption cross sections and photolysis rates of anthropogenic and biogenic secondary organic aerosols. <i>Atmospheric Environment</i> , 2016, 130, 172-179. | 4.1 | 42 |
| 64 | Effect of viscosity on photodegradation rates in complex secondary organic aerosol materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8785-8793. | 2.8 | 76 |
| 65 | Formation of Light Absorbing Soluble Secondary Organics and Insoluble Polymeric Particles from the Dark Reaction of Catechol and Guaiacol with Fe(III). <i>Environmental Science & Technology</i> , 2015, 49, 7793-7801. | 10.0 | 58 |
| 66 | Heterogeneous Photochemistry in the Atmosphere. <i>Chemical Reviews</i> , 2015, 115, 4218-4258. | 47.7 | 497 |
| 67 | Absorption spectra and aqueous photochemistry of β -hydroxyalkyl nitrates of atmospheric interest. <i>Molecular Physics</i> , 2015, 113, 2179-2190. | 1.7 | 22 |
| 68 | High-Resolution Mass Spectrometry and Molecular Characterization of Aqueous Photochemistry Products of Common Types of Secondary Organic Aerosols. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2594-2606. | 2.5 | 63 |
| 69 | On Surface Order and Disorder of β -Pinene-Derived Secondary Organic Material. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4609-4617. | 2.5 | 27 |
| 70 | Chemistry of Atmospheric Brown Carbon. <i>Chemical Reviews</i> , 2015, 115, 4335-4382. | 47.7 | 1,121 |
| 71 | Atmospheric Oxidation of Squalene: Molecular Study Using COBRA Modeling and High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2015, 49, 13304-13313. | 10.0 | 30 |
| 72 | A Real-Time Fast-Flow Tube Study of VOC and Particulate Emissions from Electronic, Potentially Reduced-Harm, Conventional, and Reference Cigarettes. <i>Aerosol Science and Technology</i> , 2015, 49, 816-827. | 3.1 | 26 |

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|----|--|------|-----------|
| 73 | Revealing Brown Carbon Chromophores Produced in Reactions of Methylglyoxal with Ammonium Sulfate. <i>Environmental Science & Technology</i> , 2015, 49, 14257-14266. | 10.0 | 149 |
| 74 | Effect of Alkyl Chain Length on Hygroscopicity of Nanoparticles and Thin Films of Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29458-29466. | 3.1 | 14 |
| 75 | Molecular Selectivity of Brown Carbon Chromophores. <i>Environmental Science & Technology</i> , 2014, 48, 12047-12055. | 10.0 | 94 |
| 76 | Photochemistry of aldehyde clusters: cross-molecular versus unimolecular reaction dynamics. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23861-23868. | 2.8 | 21 |
| 77 | Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10629-10642. | 2.8 | 98 |
| 78 | Exploring matrix effects on photochemistry of organic aerosols. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13780-13785. | 7.1 | 62 |
| 79 | Effect of Solar Radiation on the Optical Properties and Molecular Composition of Laboratory Proxies of Atmospheric Brown Carbon. <i>Environmental Science & Technology</i> , 2014, 48, 10217-10226. | 10.0 | 250 |
| 80 | Molecular Characterization of Organosulfates in Organic Aerosols from Shanghai and Los Angeles Urban Areas by Nanospray-Desorption Electrospray Ionization High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2014, 48, 10993-11001. | 10.0 | 138 |
| 81 | Direct Photolysis of α -Pinene Ozonolysis Secondary Organic Aerosol: Effect on Particle Mass and Peroxide Content. <i>Environmental Science & Technology</i> , 2014, 48, 11251-11258. | 10.0 | 105 |
| 82 | Physical properties of ambient and laboratory-generated secondary organic aerosol. <i>Geophysical Research Letters</i> , 2014, 41, 4347-4353. | 4.0 | 53 |
| 83 | Bitz, Ginoux, Jacobson, Nizkorodov, and Yang Receive 2013 Atmospheric Sciences Ascent Awards: Response. <i>Eos</i> , 2014, 95, 266-266. | 0.1 | 0 |
| 84 | An approach toward quantification of organic compounds in complex environmental samples using high-resolution electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 72-80. | 2.7 | 24 |
| 85 | Excitation-Emission Spectra and Fluorescence Quantum Yields for Fresh and Aged Biogenic Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2013, 47, 5763-5770. | 10.0 | 119 |
| 86 | Brown carbon formation from ketoaldehydes of biogenic monoterpenes. <i>Faraday Discussions</i> , 2013, 165, 473. | 3.2 | 89 |
| 87 | Probing molecular associations of field-collected and laboratory-generated SOA with nano-DESI high-resolution mass spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1042-1051. | 3.3 | 19 |
| 88 | Experimental and Theoretical Study of Aqueous <i>cis</i> -Pinonic Acid Photolysis. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12930-12945. | 2.5 | 60 |
| 89 | New mass spectrometry techniques for studying physical chemistry of atmospheric heterogeneous processes. <i>International Reviews in Physical Chemistry</i> , 2013, 32, 128-170. | 2.3 | 41 |
| 90 | Direct photolysis of carbonyl compounds dissolved in cloud and fog-droplets. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9461-9477. | 4.9 | 44 |

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|-----|--|------|-----------|
| 91 | Enhancement of Surfactants in Nanoparticles Produced by an Electrospray Aerosol Generator. <i>Aerosol Science and Technology</i> , 2012, 46, 1239-1245. | 3.1 | 5 |
| 92 | A comparison of the chemical sinks of atmospheric organics in the gas and aqueous phase. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8205-8222. | 4.9 | 34 |
| 93 | Formation of brown carbon via reactions of ammonia with secondary organic aerosols from biogenic and anthropogenic precursors. <i>Atmospheric Environment</i> , 2012, 63, 22-31. | 4.1 | 349 |
| 94 | Direct aqueous photochemistry of isoprene high-NO _x secondary organic aerosol. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9702. | 2.8 | 38 |
| 95 | Applications of High-Resolution Electrospray Ionization Mass Spectrometry to Measurements of Average Oxygen to Carbon Ratios in Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2012, 46, 8315-8324. | 10.0 | 44 |
| 96 | COBRA: A Computational Brewing Application for Predicting the Molecular Composition of Organic Aerosols. <i>Environmental Science & Technology</i> , 2012, 46, 6048-6055. | 10.0 | 8 |
| 97 | Interaction of Water Vapor with the Surfaces of Imidazolium-Based Ionic Liquid Nanoparticles and Thin Films. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11255-11265. | 2.6 | 18 |
| 98 | Absorption Spectra and Photolysis of Methyl Peroxide in Liquid and Frozen Water. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6068-6077. | 2.5 | 49 |
| 99 | Chemical Analysis of Complex Organic Mixtures Using Reactive Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 7179-7187. | 6.5 | 52 |
| 100 | Formation of nitrogen- and sulfur-containing light-absorbing compounds accelerated by evaporation of water from secondary organic aerosols. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 189 |
| 101 | Mass spectrometric approaches for chemical characterisation of atmospheric aerosols: critical review of the most recent advances. <i>Environmental Chemistry</i> , 2012, 9, 163. | 1.5 | 84 |
| 102 | Glutathione peroxidase inhibitory assay for electrophilic pollutants in diesel exhaust and tobacco smoke. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 431-441. | 3.7 | 12 |
| 103 | Photolytic processing of secondary organic aerosols dissolved in cloud droplets. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12199. | 2.8 | 110 |
| 104 | Nitrogen-Containing Organic Compounds and Oligomers in Secondary Organic Aerosol Formed by Photooxidation of Isoprene. <i>Environmental Science & Technology</i> , 2011, 45, 6908-6918. | 10.0 | 100 |
| 105 | Molecular chemistry of organic aerosols through the application of high resolution mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3612. | 2.8 | 147 |
| 106 | Effect of humidity on the composition of isoprene photooxidation secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6931-6944. | 4.9 | 167 |
| 107 | High-resolution mass spectrometry analysis of secondary organic aerosol generated by ozonolysis of isoprene. <i>Atmospheric Environment</i> , 2010, 44, 1032-1042. | 4.1 | 167 |
| 108 | Ultrafast photochemistry of methyl hydroperoxide on ice particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6600-6604. | 7.1 | 19 |

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|-----|--|------|-----------|
| 109 | Appearance of strong absorbers and fluorophores in limonene ³ secondary organic aerosol due to NH ₄ ⁺ -mediated chemical aging over long time scales. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 234 |
| 110 | High-Resolution Electrospray Ionization Mass Spectrometry Analysis of Water-Soluble Organic Aerosols Collected with a Particle into Liquid Sampler. <i>Analytical Chemistry</i> , 2010, 82, 8010-8016. | 6.5 | 55 |
| 111 | Hygroscopic Growth and Deliquescence of NaCl Nanoparticles Mixed with Surfactant SDS. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2435-2449. | 2.6 | 42 |
| 112 | High-Resolution Desorption Electrospray Ionization Mass Spectrometry for Chemical Characterization of Organic Aerosols. <i>Analytical Chemistry</i> , 2010, 82, 2048-2058. | 6.5 | 160 |
| 113 | 1,4-butanediol content of aqua dots children's craft toy beads. <i>Journal of Medical Toxicology</i> , 2009, 5, 120-124. | 1.5 | 14 |
| 114 | Hygroscopic Growth and Deliquescence of NaCl Nanoparticles Coated with Surfactant AOT. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7678-7686. | 2.5 | 29 |
| 115 | Measurement of Ozone Emission and Particle Removal Rates from Portable Air Purifiers. <i>Journal of Chemical Education</i> , 2009, 86, 219. | 2.3 | 6 |
| 116 | Time-resolved molecular characterization of limonene/ozone aerosol using high-resolution electrospray ionization mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7931. | 2.8 | 99 |
| 117 | Photochemistry of Secondary Organic Aerosol Formed from Oxidation of Monoterpenes. <i>ACS Symposium Series</i> , 2009, , 91-109. | 0.5 | 1 |
| 118 | Photodegradation of secondary organic aerosol generated from limonene oxidation by ozone studied with chemical ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3851-3865. | 4.9 | 52 |
| 119 | High-resolution mass spectrometric analysis of secondary organic aerosol produced by ozonation of limonene. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1009-1022. | 2.8 | 166 |
| 120 | Stoichiometry of Ozonation of Environmentally Relevant Olefins in Saturated Hydrocarbon Solvents. <i>Environmental Science & Technology</i> , 2008, 42, 3582-3587. | 10.0 | 10 |
| 121 | The Effect of Solvent on the Analysis of Secondary Organic Aerosol Using Electrospray Ionization Mass Spectrometry. <i>Environmental Science & Technology</i> , 2008, 42, 7341-7346. | 10.0 | 96 |
| 122 | Contribution of Carbonyl Photochemistry to Aging of Atmospheric Secondary Organic Aerosol. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8337-8344. | 2.5 | 61 |
| 123 | Evidence for excited spin-orbit state reaction dynamics in F+H ₂ : Theory and experiment. <i>Journal of Chemical Physics</i> , 2008, 128, 084313. | 3.0 | 31 |
| 124 | Kinetic Analysis of Competition between Aerosol Particle Removal and Generation by Ionization Air Purifiers. <i>Environmental Science & Technology</i> , 2007, 41, 2498-2504. | 10.0 | 30 |
| 125 | Photochemical Aging of Secondary Organic Aerosol Particles Generated from the Oxidation of d-Limonene. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1907-1913. | 2.5 | 97 |
| 126 | IR Spectra of Protonated Carbonic Acid and Its Isomeric H ₃ O ⁺ ...CO ₂ Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4754-4756. | 13.8 | 29 |

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|-----|--|-----|-----------|
| 127 | Quantification of Ozone Levels in Indoor Environments Generated by Ionization and Ozonolysis Air Purifiers. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 601-610. | 1.9 | 116 |
| 128 | Ozonolysis and photolysis of alkene-terminated self-assembled monolayers on quartz nanoparticles: implications for photochemical aging of organic aerosol particles. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2506. | 2.8 | 39 |
| 129 | UV Photodissociation Spectroscopy of Oxidized Undecylenic Acid Films. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3584-3592. | 2.5 | 31 |
| 130 | Near-IR photodissociation of peroxy acetyl nitrate. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 385-392. | 4.9 | 14 |
| 131 | Overtone spectroscopy of H ₂ O clusters in the $\nu_{OH}=2$ manifold: Infrared-ultraviolet vibrationally mediated dissociation studies. <i>Journal of Chemical Physics</i> , 2005, 122, 194316. | 3.0 | 54 |
| 132 | Cis-cis and trans-perp HOONO: Action spectroscopy and isomerization kinetics. <i>Journal of Chemical Physics</i> , 2004, 121, 1432-1448. | 3.0 | 54 |
| 133 | Temperature and Pressure Dependence of High-Resolution Air-Broadened Absorption Cross Sections of NO ₂ (415-525 nm). <i>Journal of Physical Chemistry A</i> , 2004, 108, 4864-4872. | 2.5 | 19 |
| 134 | Interaction of Gas-Phase Ozone at 296 K with Unsaturated Self-Assembled Monolayers: A New Look at an Old System. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10473-10485. | 2.5 | 123 |
| 135 | Cavity Ringdown Spectroscopy of cis-cis HOONO and the HOONO/HONO ₂ Branching Ratio in the Reaction OH + NO ₂ + M. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6974-6985. | 2.5 | 48 |
| 136 | Vibrationally mediated dissociation dynamics of H ₂ O in the $\nu_{OH}=2$ polyad. <i>Journal of Chemical Physics</i> , 2003, 119, 10158-10168. | 3.0 | 15 |
| 137 | Reactive scattering of F+HD [†] HF(ν, j)+D: nascent product state distributions and evidence for quantum transition state resonances. <i>Journal of Chemical Physics</i> , 2002, 116, 5622-5632. | 3.0 | 49 |
| 138 | First Spectroscopic Observation of Gas-Phase HOONO. <i>Journal of Physical Chemistry A</i> , 2002, 106, 855-859. | 2.5 | 82 |
| 139 | Photodissociation of Peroxynitric Acid in the Near-IR. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3766-3772. | 2.5 | 92 |
| 140 | Differential scattering dynamics of F+CH ₄ [†] HF(ν, j)+CH ₃ via high-resolution IR laser dopplerimetry. <i>Chemical Physics Letters</i> , 2001, 335, 381-387. | 2.6 | 31 |
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