

# Papers Citing Use of 2B Technologies Instruments

1,642 Articles that Cite Use of 2B Tech Instruments – 2001 Through 2024

[View Citations on Google Scholar](#)

## 2024 (sorted by model number of the 2B Tech instrument used)

### Model 106-L Ozone Monitor

1. Localization of Partial Discharges in Hydrogenerators by Ozone Emission, V. Dmitriev, R.M.S. de Oliveira, L.D.S. de Alcantara, and G.G. Giroto, *Energies* (2024) **17**, 13, 3173. [MDPI Link](#)
2. Unraveling the Impact of SO<sub>2</sub> on Electron Transfer and Oxygen Vacancy over MnO<sub>x</sub>-CeO<sub>2</sub> for Ozone Decomposition, P. Lu, L. Ye, X. Yan, J. Huang, P. Zhao, Z. Tang, D. Chen, and C. Cen, *Separation and Purification Technology* (2024) **333**, 125909. [ScienceDirect](#)
3. Efficient Ozone Elimination over MnO<sub>2</sub> via Double Moisture-Resistance Protection of Active Carbon and CeO<sub>2</sub>, W. Dai, B. Zhang, J. Ji, T. Zhu, B. Liu, Y. Gan, F. Xiao, J. Zhang, and H. Huang, *Environmental Science & Technology* (2024) **58**, 27. [ACS Link](#)
4. Active Plasma Sterilizer for Planetary Protection and Contamination Control for Space Missions, S. Roy, J. Kosky, T. Revazishvili, S. Roy, S. Brown, V. Vichnyakov, N. Rurua, E.N. Mastro, and D. Kobaidze, *Scientific Reports* (2024) **14**, 31195. [Nature Link](#)
5. Eco-Efficient Coatings for Healthy Indoors: Ozone Deposition Velocities, Primary and Secondary Emissions, A. Ranesi, P. Faria, M.R. Veiga, and E.T. Gall, *Building and Environment* (2024) **254**, 111306. [ScienceDirect](#)
6. Spinel (Mn, Fe)<sub>3</sub>O<sub>4</sub> Nanocatalyst for the Catalytic Ozone Decomposition under Humid Conditions, Y. Fu, L. Zhong, Z. Li, H. Jin, X. Liu, W. Tong, X. Li, and S. Zhao, *ACS Applied Nano Materials* (2024) **7**, 7111-7121. [ACS Link](#)
7. Cu<sub>2</sub>S Nanosheets for the Catalytic Decomposition of Ozone, G. Ma, J. Guan, Q. Zhu, N. Han, and Y. Chen, *ACS Applied Nano Materials* (2024) **7**, 20, 23652-23658. [ACS Link](#)
8. Formation of Secondary Aerosol by 222 nm Far-UVC Irradiation on SO<sub>2</sub>, Z. Liang, L. Zhou, K. Chen, Y.-H. Lin, A.C.K. Lai, P.K.H. Lee, P.H.L. Sit, R. Yin, and C.K. Chan, *Atmospheric Environment* (2024) **330**, 120559. [ScienceDirect](#)
9. Nanoflower-like δ-MnO<sub>2</sub> Exhibits Excellent Ozone Decomposition under Harsh Conditions: The Influence of Potassium Ion, Z. Deng, J. Tian, P. Wang, B. Liu, Y. Guo, X. Xu, Z. Zeng, and L. Li, *Applied Surface Science* (2024) **671**, 160769. [ScienceDirect](#)

### Model 106-M Ozone Monitor

10. Partitioning of Secondary Organic Aerosol onto Nanoplastics Leading to Hygroscopic Partially-Engulfed Particles, K.L. Raincrow, H.H. Al-Mashala, and E.G. Schnitzler, *Environmental Science: Atmospheres* (2024) **4**, 9, DOI: 10.1039/d3ea00103 [RSC Link](#)
11. Preliminary Tests of Tomato Plant Protection Method with Ozone Gas Fumigation Supported with Hydrogen Peroxide Solution and Its Effect on Some Fruit Parameters, M. Zardzewialy, N. Matlok, T. Piechowiak, B. Saletnik, M. Balawejder, and J. Gorzelany, *Sustainability* (2024) **16**, 8, 3481. [MDPI Link](#)
12. Emerging Investigator Series: Secondary Organic Aerosol Formation from Photooxidation of Acrylic Terpenes in an Oxidation Flow Reactor, S. Gu, F. Khalaj, V. Perraud, and C.L. Faiola, *Environmental Science: Processes and Impacts* (2024) **26**, 1156-1170. [RSC Link](#)
13. Effect of Water Vapor on Ozone-Induced Lean Methane Oxidation Using Cobalt-Exchanged BEA Catalysts, S.M. Jin and D.-W. Lee, *Korean Chemical Engineering Research* (2024) **62**, 4, 364-370. [KoreaScience](#)
14. Iodide Oxidation by Ozone at the Surface of Aqueous Microdroplets, A.M. Prophet, K. Polley, G.J. Van Berkel, D.T. Limmer, and K.R. Wilson, *Chemical Science* (2024) **15**, 736. [RSC Link](#)
15. Plasma-Catalytic Removal of Toluene over Bimetallic M/Mn-BTC Catalysts in Dielectric Barrier Discharge Reactor, X. Zang, H. Sun, W. Wang, S. Zhao, Z. Li, and Z. Ye, *Separation and Purification Technology* (2024) **331**, 125667. [ScienceDirect](#)
16. Synchronous Oxidation-Removal of CO and NO using Microwave-Ultraviolet Co-Catalysis of H<sub>2</sub>O/O<sub>2</sub> Mixture, R. Hao, X. Feng, Q. Tian, Z. Qian, L. Yang, M. Qi, and B. Yuan, *Chemical Engineering Science* (2024) **285**, 119556. [ScienceDirect](#)

17. Controllable Synthesis of Different MnO<sub>2</sub> Phases by a Precipitation Method for Effective Ozone Decomposition, H. Yu, J. Yang, L. Lu, Y. Guo, J. Guan, G. Fan, Q. Zhu, N. Han and Y. Chen, *The Journal of Physical Chemistry C* (2024) **128**, 13. [ACS Link](#)
18. Morphology and Size Effect of Ceria on Methanol Oxidation in Non-Thermal Plasma, H. Li, X. Wang, H. Yi, X. Shi, M. Mao, Y. Zhang, H. Huang, D. Ye, X. Tu, and J. Wu, *Catalysis Today* (2024) **426**, 114398. [ScienceDirect](#)
19. Continuous Ozonation Coupled with UV-C Irradiation for a Sustainable Post-Harvest Processing of Vaccinium macrocarpon Ait. Fruits to Reduce Storage Losses, N. Matlok, T. Piechowiak, M. Zardzewialy, B. Saletnik, and M. Balawejder, *Sustainability* (2024) **16**, 13, 5420. [MDPI Link](#)
20. Portable Decontamination System Based on Cold Atmospheric Plasma and UV-C Light, S. Portugal, D E. Cárdenas and Z. Capitan-Barrios, *9th International Engineering, Sciences and Technology Conference (IESTEC)* (2024), Panama City, Panama, pp. 319-324, doi: 10.1109/IESTEC62784.2024.10820303. [IEEE Explore](#)
21. Experimental Investigation of Styrene Destruction by DBD Plasma and Its Conversion Pathways, H. Zheng, G. Ni, H. Sun, Y. Zhao, S. Sui, and Z. Ma, *Contributions to Plasma Physics* (2024) DOI: 10.1002/ctpp.202400010. [Wiley Link](#)

#### Model 106-MH or Model 106-H Ozone Monitors

22. Enhancing Plasma-Catalytic Toluene Oxidation: Unraveling the Role of Lewis-Acid Sites on δ-MnO<sub>2</sub>, Z. Bo, M. Cao, H. Zhang, Y. Wang, J. Yan, K. Cen, K.K. Ostrikov, and X. Tu, *Chemical Engineering Journal* (2024) **481**, 148399. [ScienceDirect](#). [106MH]
23. Optimizing Ozone Treatment for Pathogen Removal and Disinfection By-Product Control for Potable Reuse at Pilot-Scale, L.R. de Carvalho Costa, L. Li, L. Haak, L. Teel, L.A. Feris, E. Marchand, and K.R. Pagilla, *Chemosphere* (2024) **364**, 143128. [ScienceDirect](#)
24. Degradation of n-Hexane by the High-Throughput Double Dielectric Barrier Discharge: Influencing Factors, Degradation Mechanism, and Pathways, K. Li, N. Jiang, X. Zhang, K. Chen, N. Liu, A. Nikiforav, J. Chen, and Z. Ye, *Journal of Environmental Chemical Engineering* (2024) **12**, 1, 111758. [ScienceDirect](#) [106MH]
25. Experimental Comparative Study Between Simple and Multi-Tube DBD Ozone Generator with Same Volume Discharge for Wastewater Treatment, E.A. Ghaitaoui, K. Nassour, S. Nemnich, B.E.K.O. Naoui, T. Ghaitaoui, A. Tilmatine, and N. Ramdani, *Journal of the Korean Physical Society* (2024) **85**, 798-809. [SpringerLink](#) [106H]
26. Ozonation as an Emerging Technique for Inactivating Microorganisms and Mitigating Pesticides in Apple Juice, T. Evkuran and H. Karaca, *Ozone: Science and Engineering* (2024) 1-13, <https://doi.org/10.1080/01919512.2024.2426454> [106H]

#### Model 202 Ozone Monitor

27. Oxygenated Organic Molecules Produced by Low-NO<sub>x</sub> Photooxidation of Aromatic Compounds: Contributions to Secondary Organic Aerosol and Steric Hindrance, X. Cheng, Y.J. Li, Y. Zheng, K. Liao, T.K. Koenig, Y. Ge, T. Zhu, C. Ye, X. Qin, and Q. Chen, *Atmospheric Chemistry and Physics* (2024) **24**, 2099-2112. [ACP Link](#)
28. Productions of RONS with Duty Ratio in Atmospheric Pressure Plasma Jets, J.S. Lim and E.H. Choi, *Plasma Chemistry and Plasma Processing* (2024) **44**, 1595-1603. [SpringerLink](#)
29. Effects of Ozone Exposure on Lung Injury, Inflammation, and Oxidative Stress in a Murine Model of Nonpneumonic Endotoxemia, J. Radbel, J.A. Meshanni, K.N. Vayas, O. Le-Hoang, E. Abramova, P. Zhou, L.B. Joseph, J.D. Laskin, A.J. Gow, and D.L. Laskin, *Toxicological Sciences* (2024) **200**, 2, 299-311. [Link](#)
30. Oxygenated Organic Molecules Produced by Low-NO<sub>x</sub> Photooxidation of Aromatic Compounds: Contributions to Secondary Organic Aerosol and Steric Hindrance, X. Cheng, Y.J. Li, Y. Zheng, K. Liao, T.K. Koenig, Y. Ge, T. Zhu, C. Ye, X. Qiu, and Q. Chen, *Atmospheric Chemistry and Physics* (2024) **24**, 2099-2112. [ACP Link](#)
31. Evaluation of Indoor Secondary Organic Aerosol Concentrations and Contributions in Chinese Residences: Insights from Field Testing, W. Ji, Y. Wang, and Z. Xu, *Building and Environment* (2024) **249**, 111109. [ScienceDirect](#)
32. Influence of Germicidal UV (222 nm) Lamps on Ozone, Ultrafine Particles, and Volatile Organic Compounds in Indoor Office Spaces, S.B. Sørensen, F.R. Dalby, S.K. Olsen, and K. Kristensen, *Environmental Science & Technology* (2024) **58**, 45, 20073-20080. [ACS Link](#)
33. Particle-Bound Reactive Oxygen Species in Cooking Emissions: Aging Effects and Cytotoxicity, L. Lu, V.Y.Z. Ng, M.Z.H. Tan, N.Y. Kasthuriarachchi, L.-H. Rivellini, Y.Q. Tan, L. Ang, M. Viera, B.H. Bay, W.J. Seow, and A.K.Y. Lee, *Atmospheric Environment* (2024) **319**, 120309. [ScienceDirect](#)

34. In-situ Formation of Hydroxylated Ag Active Sites over Ag/MnO<sub>2</sub> Modified by Alkali Metals for Stable Decomposition of Ozone Under Humid Conditions, X. Li, J. Ma, G. He, Z. Wang, and H. He, *Applied Catalysis BL Environment and Energy* (2024) **346**, 123736. [ScienceDirect](#)
35. Allocation of Nutrients and Leaf Turnover Rate in Poplar under Ambient and Enriched Ozone Exposure and Soil Nutrient Manipulation, E. Paoletti, M. Pagano, L. Zhang, O. Badea, and Y. Hoshika, *Biology* (2024) **13**, 4, 13040232. [MDPI Link](#)
36. QUANT: A Long-Term Multi-City Commercial Air Sensor Dataset for Performance Evaluation, S. Diez, S. Lacy, J. Urquiza, and P. Edwards, *Scientific Data* (2024) **11**, 904. [Nature Link](#)
37. Relative Health Risk Reduction from an Advanced Multi-Modal Air Purification System: Evaluation in a Post-Surgical Healthcare Setting, D. Pisaniello and M. Nitschke, *International Journal of Environmental Research and Public Health* (2024) **21**, 8, 1089. [MDPI Link](#)
38. Effect of Interlayer Anions on NiFe Layered Double Hydroxides for Catalytic Ozone Decomposition, Z. Wang, X. Li, J. Ma, and H. He, *Environmental Science & Technology* (2024) **58**, 19. [ACS Link](#)
39. Three-Dimensional Hierarchical Membrane with Dual Active Sites for Ozone Decomposition, H. Li, X. Jiang, R. Zheng, W.-L. Zhao, W. Chen, S. An, and Y.-F. Song, *Industrial & Engineering Chemistry Research* (2024) **63**, 26. [ACS Link](#)
40. Atmospheric Pollutants in a Commercial Region of Fortaleza, Ceará, Brazil: Integration of Health, Environment and Economy in Urban Planning to Improve Air Quality, M.G.A.C. Ratts, B.K.S. Lima, G.R. dos Santos, F. de Lima Gondim, R.S. Araújo, M.L.M. de Olivera, F.S.A. Cavalcante, and D.S. Serra, *Journal of Geoscience and Environment Protection* (2024) **12**, 5, 92-112. [SR Link](#)
41. Uso Didáctico de una Macro de Excel Para Estimación de la Incertidumbre en una Práctica Sobre Medida de Niveles de Ozono en el Aire Ambiente, E. Pinilla-Gil, M. Cerrato-Alvarez, S. Frutos-Puerto, J.J. Hidalgo-Barquero, and M.R. Palomo-Marín, *Actualidad Analítica* (2024) **85**, 5-9. [Seqa link](#)
42. Three-Dimensional Porous Ti Supported Ni/SB Co-Doped SnO<sub>2</sub> Anode for Electrocatalytic Production of Ozone, M. Hu, D. Zhao, M. Dong, H.Q. Fu, Y. Zou, Y. Xu, M. Zhou, L. Zhang, L. Wang, Y. Shu, K. Zhang, Z. Chen, Y. Sun, J. Harbort, J. Harmer, P. Liu, H. Yin, and H. Zhao, *Journal of environmental Chemical Engineering* (2024) **12**, 6, 114915. [ScienceDirect](#)

#### Model 205 Ozone Monitor

43. Roles of Marine Biota in the Formation of Atmospheric Bioaerosols, Cloud Condensation Nuclei, and Ice-Nucleating Particles over the North Pacific Ocean, Bering Sea, and Arctic Ocean, K. Kawana, F. Taketani, K. Matsumoto, Y. Tobo, Y. Iwamoto, T. Miyakawa, A. Ito, and Y. Kanaya, *Atmospheric Chemistry and Physics* (2024) **24**, 3, 1777-1799. [ACP Link](#)
44. How Does Personal Hygiene Influence Indoor Air Quality?, N. Wang, T. Müller, L. Ernle, G. Bekö, P. Wargocki, and J. Williams, *Environmental Science & Technology* (2024) **58**, 22. [ACS Link](#)
45. Terminal Doppler Weather Radar Retrievals in Complex Terrain During a Summer High Ozone Period, A.C. McCutchan, J.D. Horel, and S.W. Hoch, *Journal of Atmospheric and Oceanic Technology* (2024) **41**. [AMS Link](#)
46. Study of Secondary Organic Aerosol Formation and Aging Using Ambient Air in an Oxidation Flow Reactor during High Pollution Events over Delhi, V. Goel, N. Tripathi, M. Gupta, L.K. Sahu, V. Singh, and M. Kumar, *Environmental Research* (2024) **251**, 118542. [ScienceDirect](#)
47. Low-Temperature and in-situ Regenerable Ozone Decomposition in Aircraft with Zeolite-Encapsulated Manganese-oxo Cluster Catalyst, Y. Liu, H. Chen, Y. Zhao, N. Sun, X. Yang, Z. Guo, D.Y.H. Pui, R.T. Yang, and Z. Li, *Chemical Engineering Journal* (2024) **501**, 157481. [ScienceDirect](#)
48. Evaluating a Simplified Oxidation Flow Reactor Configuration to Characterize Fresh and Aged Emissions from Traditional and Plancha-Type Cookstoves under Field-Like Conditions, A. Sinha, J.C. Vazquez, V. Ruiz-Garcia, O. Masera, and A.P. Grieshop, *Atmospheric Environment* (2024) **328**, 120498. [ScienceDirect](#)
49. Impacts of Anthropogenic Emissions and Meteorology on Spring Ozone Differences in San Antonio, Texas Between 2017 and 2021, X. Liu, Y. Wang, S. Wasti, T. Lee, W. Li, S. Zhou, J. Flynn, R.J. Sheesley, S. Usenko, and F. Liu, *Science of The Total Environment* (2024) **914**, 169693. [ScienceDirect](#)
50. Measurement Report: Sources, Sinks, and Lifetime of NO<sub>x</sub> in a Suburban Temperate Forest at Night, S.T. Andersen, M.R. McGillen, C. Xue, T. Seubert, P. Dewald, G.N.T.E. Türk, J. Schuladen, C. Denjean, J.-C. Etienne, O. Garrouste, M. Jamar, S. Harb, M. Cirtog, V. Michoud, M. Cazaunau, A. Bergé, C. Cantrell, S. Dusanter, B. Picquet-Varrault, A. Kukui, A. Mellouki, L.J. Carpenter, J. Lelieveld, and J.N. Crowley, *Atmospheric Chemistry and Physics* (2024) **24**, 11603-11618. [ACP Link](#)

51. Real-Time Monitoring of Air Pollution Health Impacts Using Breath-Borne Gaseous Biomarkers from Rats, C. Zhu and M. Yao, *Environmental Science & Technology* (2024) **58**, 10, 4522-4534. [ACS Link](#)
52. Tropospheric Bromine Monoxide Vertical Profiles Retrieved Across the Alaskan Arctic in Springtime, N. Brockway, P.K. Peterson, K. Bigge, K.D. Hajny, P.B. Shepson, K.A. Pratt, J.D. Fuentes, T. Starn, R. Kaeser, B.H. Stirm, and W.R. Simpson, *Atmospheric Chemistry and Physics* (2024), **24**, 1, 23-40. [ACP Link](#)
53. The Effect of Ozone on Soot Formation in Partially Premixed Laminar Methane/Air Flames, A. Pignatelli, L. Basta, F. Sasso, F. Picca, M. Commodo, P. Minutolo, and A. D'Anna, 46<sup>th</sup> Meeting of the Italian Section of the Combustion Institute, *Towards Net-Zero Carbon Society* (2024) **VI2**, Bari, Italy. [TCI Link](#)
54. The Effect of Ozone on Soot Formation in Partially Premixed Laminar Methane/Air Flames, L. Basta, A. Pignatelli, F. Sasso, F. Picca, M. Commodo, P. Minutolo, J.W. Martin, and A. D'Anna, *Fuel* (2024) **373**, 132342. [ScienceDirect](#)
55. Environmental Refuges During Summertime Heat and Elevated Ozone Levels: A Preliminary Case Study of an Urban "Cool Zone" Building, D.L. Mendoza, E.T. Crosman, C. Anderson, and S.A. Gonzales, *Buildings* (2024) **14**, 2, 523. [MDPI Link](#)
56. NO<sub>3</sub> Reactivity During a Summer Period in a Temperate Forest Below and Above the Canopy, P. Dewald, T. Seubert, S.T. Andersen, G.N.T.E. Türk, J. Schuladen, M.R. McGillen, C. Denjean, J.-C. Etienne, O. Garrouste, M. Jamar, S. Harb, M. Cirtog, V. Michoud, M. Cazaunau, A. Bergé, C. Cantrell, S. Dusanter, B. Picquet-Varrault, A. Kukui, C. Xue, A. Mellouki, J. Lelieveld, and J.N. Crowley, *Atmospheric Chemistry and Physics* (2024) **24**, 16, 8983-8997. [ACP Link](#)
57. Measurement Report: Vertical and Temporal Variability in the Near-Surface Ozone Production Rate and Sensitivity in an Urban Area in the Pearl River Delta Region, China, J. Zhou, C. Zhang, A. Liu, B. Yuan, Y. Wang, W. Wang, J.-P. Zhou, Y. Hao, X.-B. Li, X. He, X. Song, Y. Chen, Su. Yang, Sh. Yang, Y. Wu, B. Jiang, S. Huang, J. Liu, Y. Peng, J. Qi, M. Deng, B. Zhong, Y. Huangfu, and M. Shao, *Atmospheric Chemistry and Physics* (2024) **24**, 17, 9805-9826. [ACP Link](#)
58. Reduced Productivity and Carbon Drawdown of Tropical Forests from Ground-Level Ozone Exposure, A.W. Cheesman, F. Brown, P. Artaxo, M.N. Farha, G.A. Folberth, F.J. Hayes, V.H.A. Heinrich, T.C. Hill, L.M. Mercado, R.J. Oliver, M. O'Sullivan, J. Uddling, L.A. Cernusak, and S. Sitch, *Nature Geoscience* (2024) **17**, 1003-1007. [NatureLink](#)

#### Personal Ozone Monitor (POM)

59. Assessing CMAQ Model Discrepancies in a Heavily Polluted Air Basin Using UAV Vertical Profiles and Sensitivity Analyses, Z. Zhu, K. Do, C.E. Ivey, and D.R. Collins, *Environmental Science: Atmospheres* (2024) doi:10.1039/d4ea00004h. [RSC Link](#)
60. The Comprehensive Vertical Ozone Observation Experiment and Result Analysis of Ozone Lidars in China, H. Cai, J. Jin, S. Lv, X. Song, N. Wang, G. Long, W. Shi, Z. Qin, and K. Wu, *Atmosphere* (2024) **15**, 6, 690. [MDPI Link](#)

#### Model 211 Scrubberless Ozone Monitor

61. Mobile Air Quality Monitoring and Comparison to Fixed Monitoring Sites for Instrument Performance Assessment, A.R. Whitehill, M. Lunden, B. LaFranchi, S. Kaushik, and P.A. Solomon, *Atmospheric Measurement Techniques* (2024) **17**, 2991-3009. [AMT Link](#)

#### Model 405 nm NO<sub>2</sub>/NO/NO<sub>x</sub> Monitor

62. Estimating Inhaled Nitrogen Dioxide from the Human Biometric Response, S. Ruwali, B.A. Fernando, S. Talebi, L. Wijeratne, J. Waczak, P.M.H. Dewage, D.J. Lary, J. Sadler, T. Lary, M. Lary, and A. Aker, *Advances in Environmental and Engineering Research* (2024) **5**, 2. [LidsenLink](#)
63. EPCAPE-Partitioning Thrust-Los Alamos National Laboratory (EPCAPE-PT-LANL) Field Campaign Report, K. Gorkowski, J.E. Lee, A.S.M. Shawon, R.N. Farley, N.A. Franco, K.B. Benedict, M.K. Dubey, and A.C. Aiken, U.S. Department of Energy Report DOE/SC-ARM-24-013 (2024), 13 pp. [OSTI Link](#)
64. Emissions and Exposure to NO<sub>x</sub>, CO, CO<sub>2</sub>, and PM<sub>2.5</sub> from a Gas Stove Using Reference and Low-Cost Sensors, D.A. Jaffe and A. Creekmore, *Atmospheric Environment* (2024) **331**, 120564. [ScienceDirect](#)
65. Indoor Emission, Oxidation, and New Particle Formation of Personal Care Product Related Volatile Organic Compounds, T. Wu, T. Müller, N. Wang, J. Byron, S. Langer, J. Williams, and D. Licina, *Environmental Science & Technology Letters* (2024) **11**, 10.

#### Model 306 Ozone Calibration Source

66. Maize Crops Face High Stomatal Uptake During Peak Exposure to Ozone in an Agroecosystem in the United States Corn Belt, A. M. Khan, R. Hannun, E. Ainsworth, L. Gao, C.J. Bernacchi, K. Guan, T. Pederson, and P.C. Stoy, *ESS Open Archive* (2024), September 02, 2024. [ESS Link](#)

67. Production of Oxygenated Volatile Organic Compounds from the Ozonolysis of Coastal Seawater, D.B. Kilgour, G.A. Novak, M.S. Clafin, B.M. Lerner, and T.H. Bertram, *Atmospheric Chemistry and Physics* (2024) **24**, 6, 3729-3742. [ACP Link](#)

#### Model 714 NO<sub>2</sub>/NO/O<sub>3</sub> Calibration Source

68. Temporal Evolution of Vehicle Exhaust Plumes in a Congested Street Canyon Environment, M.-Y. Chu, P. Brimblecombe, P. Wei, C.-H. Liu, and Z. Ning, *Environments* (2024) **11**, 3, 57. [MDPI Link](#)
69. Towards Effective Traffic Emission Management: Insights from a High-resolution and Density Roadside Sensor Network, M. Chu, Ph.D. Thesis, Hong Kong University of Science and Technology (2024), 170 pp. [ProQuest Link](#)

#### Multiple 2B Tech Instruments Used (models noted at end of citation)

70. Dual Roles of Inorganic Aqueous Phase on SOA Growth from Benzene and Phenol, J. Choi, M. Jang and S. Blau, *Atmospheric Chemistry and Physics* (2024) **24**, 6567-6582. [ACP Link](#) [106L+405]
71. Key Results from the Salt Lake Regional Smoke, Ozone, and Aerosol Study (SAMOZA), D.A. Jaffe, M. Ninneman, L. Nguyen, H. Lee, L. Hu, D. Ketcherside, L. Jin, E. Cope, S. Lyman, C. Jones, T. O'Neil, and M.L. Mansfield, *Journal of the Air & Waste Management Association* (2024) **74**, 3, 163-180. [Taylor&FrancisLink](#) [211+306]
72. Non-Thermal Plasma for Decontamination of Bacteria Trapped in Particulate Matter Filters: Plasma Source Characteristics and Antibacterial Potential, A. Helmke, I. Curril, J. Mrotzek, J. Schulz, and W. Viöl, *Journal of Physics D: Applied Physics* (2024) **57**, 265202. [IOPScienceLink](#) [106L+405]
73. Electric Buses as an Air Pollution and Meteorological Observation Network: Methodology and Preliminary Results, D.L. Mendoza, A. Gonzalez, A.A. Jacques, C.M. Johnson, P.T. Whelan, and J.D. Horel, *Science of The Total Environment* (2024) **951**, 175327. [ScienceDirect](#) [205+405]
74. Assessing Accuracy of Low-Cost Compact System Versus Standard Air Quality Systems, A. Rosu, D.-E. Constantin, M. Voiculescu, S. Dragan, M. Arseni, S.-M. Petrea, C. Iticescu, and L.P. Georgescu, *Land Reclamation, Earth Observation & Surveying, Environmetnal Engineering* (2024), **Vol XIII**, Scientific Papers Series E, 244-254. [Link](#) [POM+405]
75. Assessment of Ionization-Type Car Air Purifiers under Actual Driving Conditions, T.T. Han and G. Mainelis, *Aerosol Science and Technology* (2024), 1–13. <https://doi.org/10.1080/02786826.2024.2438811>. [POM+202]
76. A Preliminary Case Study on the Compounding Effects of Local Emissions and Upstream Wildfires on Urban Air Pollution, D.L. Mendoza, E.T. Crosman, T.M. Benney, C. Anderson, and S.A. Gonzales, *Fire* (2024) **7**, 6, 184. [MDPI Link](#) [205+405]
77. Which CAP Components are Relevant for Enhancing Dermal Microcirculation in Intact Skin? T. Borchardt, O. Grams, S. Emmert, W. Viöl, and A. Helmke, *Journal of Physics D: Applied Physics* (2024) **57**, 385203. [IOP Science Link](#) [106L+405]
78. Can Portable Air Cleaners Reconcile Conflicting Needs for Open-Door/Window Autonomy and Indoor Air Quality for Occupants in densely Populated Offices? Y. Li, Y. Fan, Y. Wei, M. Liu, B. Xu, and W. Ye, *Applied Energy* (2024) **358**, 122548. [ScienceDirect](#) [106L+205]

#### Ozone or NOx Monitor (Model not specified in paper)

79. Transitional Profiling of Lung Macrophages Following Ozone Exposure in Mice Identifies Signaling Pathways Regulating Immunometabolic Activation, L.C. Smith, E. Abramova, K. Vayas, J. Rodriguez, B. Gelfand-Titiyevksiy, T.A. Roepke, J.D. Laskin, A.J. Gow, and D.L. Laskin, *Toxicological Sciences* (2024) **201**, 1, 103-117. [OUP Link](#) [ozone monitor]
80. Analysis of Ozone Decomposition and Improvement of Experimental Environment for the Development of Diagnostic Methods for Insulation Degradation of Large Industrial Motors, *Record of Joint Conference of Electrical and Electronics Engineers in Kyushu, 2024*, **Volume 2024**, Session ID PS-01, Page 214. [https://doi.org/10.11527/iceeek.2024.0\\_214](https://doi.org/10.11527/iceeek.2024.0_214) [106 ozone monitor]
81. The Influence of Some Reactive Oxygen Species Treatments on the Yield and Changes in the Chemical Composition of Potato Tubers (*Solanum tuberosum* L.), K. Skrobacz, M. Szostek, and M. Balawejder, *Agronomy* (2024) **14**, 8, 1865. [MDPI Link](#) [ozone monitor]

**2023** (sorted by model number of the 2B Tech instrument used)Model 106-L Ozone Monitor

1. Potential of Nonthermal Atmospheric-Pressure Dielectric Barrier Discharge Plasma for Inhibition of *Athelia rolfsii* Causing Southern Blight Disease in Lettuce, S. Supakitthanakorn, O.-U. Ruangwong, C. Sawangrat, W. Srisuwan, and D. Boonyawan, *Agriculture* (2023) **13**, 1, 167. [MDPI Link](#)
2. Non-thermal Plasma Coupled with a Wet Scrubber for Removing Odorous VOC, M.-R. Kim, W. Jeon, and S. Kim, *Chemosphere* (2023) **332**, 138870. [ScienceDirect](#)
3. Effect of Photothermal Conversion on Ozone Uptake over Deposited Mineral Dust, L. Fan, Z. Shen, Z. Wang, J. Li, and J. Lyu, *Science of The Total Environment* (2023) **871**, 162047. [ScienceDirect](#)
4. Unlocking Efficient and Robust Ozone Decomposition with CNT-Confined Manganese Oxide via Synergistic Electronic Modulation, B. Liu, Z. Yi, Y. Yang, Y. Li, J. Yang, and M. Zhu, *Applied Catalysis B: Environmental* **334**, 122788. [ScienceDirect](#)
5. Formation of Highly Oxidized Organic Compounds and Secondary Organic Aerosol from  $\alpha$ -Thujene Ozonolysis, M. Dam, A.E. Thomas, and J.N. Smith, *Journal of Physical Chemistry A* (2023) **127**, 33, 6989-6998. [ACS Link](#)
6. To Promote Catalytic Ozonation of Toluene by Tuning Brønsted Acid Sites via Introducing Alkali Metals into the OMS-2-SO<sub>4</sub><sup>2-</sup>/ZSM-5 Catalyst, W. Hong, Y. Liu, X. Jiang, C. An, T. Zhu, Y. Sun, H. Wang, F. Shen, and X. Li, *Journal of Hazardous Materials* (2023) **448**, 130900. [ScienceDirect](#)
7. rGO Nickel Matrix Composites with High Ozone Degradation Efficiency under High Humidity, Q. Zhang, W. Xiao, B. Li, Y. Lin, L. Huang, J. Liao, H. Han, J. Zhu, and Y. Fu, *Materials Advances* (2023) **4**, 667306681. [RSC Link](#)
8. Exploring a New O<sub>3</sub> Index as a Proxy for the Avoidance/Tolerance Capacity of Forest Species to Tolerate O<sub>3</sub> Injury, J. Manzini, Y. Hoshika, B.B. Moura, and E. Paoletti, *Forests* (2023) **14**, 5, 901. [MDPI Link](#)
9. Effect of Plasma-Activated Time for Ozone Generation in SDBD System Under Pulse and Sinusoidal Excitation, T.R. Wellawatta, J. Choi, Sh. Kim, and Su. Kim, *IEEE Transactions on Plasma Science* (2023) **51**, 10. [IEEE Link](#)
10. Contrasting Impacts of Humidity on the Ozonolysis of Monoterpenes: Insights into the Multi-Generation Chemical Mechanism, S. Zhang, L. Du, Z. Yang, N.T. Tchinda, J. Li, and K. Li, *Atmospheric Chemistry and Physics* (2023) **23**, 18, 10809-10822. [ACP Link](#)
11. Amorphous Nanophosphates of Dual-Metal (Co and Ni) for the Decomposition of Ozone under Humid Conditions, Q. Zhang, J. Liao, G. Du, Y. Lin, X. Liu, R. Wang, L. Huang, W. Xiao, J. Chen and Y. Fu, *Journal of Environmental Chemical Engineering* (2023) **11**, 2, 109271. [ScienceDirect](#)
12. Surface Dielectric Barrier Discharge Plasma-Treated Pork Cut Parts: Bactericidal Efficacy and Physicochemical Characteristics, D. Boonyawan, K. Lamasai, C. Umongno, S. Rattanabtimtong, L.D. Yu, C. Keunsaen, J. Maitip, and P. Thana, *Heliyon* (2022) **8**, e10915. [HeliyonLink](#)
13. Effect of Different Structure of Cu/Mn Catalysts on Ozone Decomposition Ability, H. Li, Y. Li, M. Liu, P. Wang, B. Zhao, and T. Sun, *Research on Chemical Intermediates* (2023) **49**, 4461-4479. [SpringerLink](#)
14. Negligible Increase in Indoor Endotoxin Activity by 222 nm Far-UVC Illumination on Bioaerosols, Z. Liang, T.Y. Cheung, W.L. Chan, C.K. Lim, A.C.K. Lai, P.K.H. Lee, and C.K. Chan, *Environmental Science: Atmospheres* (2023) **3**, 1212. [RSC Link](#)
15. Secondary Aerosol Formation in Incense Burning Particles by O<sub>3</sub> and OH Oxidation via Single Particle Mixing State Analysis, Z. Liang, L. Zhou, X. Li, R.A.I. Cuevas, R. Tang, M. Li, C. Cheng, Y. Chu, P.K.H. Lee, A.C.K. Lai, and C.K. Chan, *Science of The Total Environment* (2023) **894**, 164942. [ScienceDirect](#)
16. Atmospheric Aging Modifies the Redox Potential and Toxicity of Humic-Like Substances (HULIS) from Biomass Burning, C. Li, D. Calderon-Arrieta, M. Pardo, D. Cai, A. Laskin, J. Chen and Y. Rudich, *Environmental Science: Atmospheres* (2023) **3**, 1791-1804. [RSC Link](#)
17. Effects of AC Frequency on Non-Thermal Plasma Inactivation of Aerosolized Viruses, Z. Ma, S. Orta, and H. Clack, *2023 IEEE Industry Applications Society Annual Meeting (IAS)*, Nashville, TN, USA, 2023, pp. 1-22, doi: 10.1109/IAS54024.2023.10406920. [IEEE Link](#) [106L]

Model 106-M Ozone Monitor

18. Cyclic Storage Chamber Ozonation as a Method to Inhibit Ethylene Generation during Plum Fruit Storage, N. Matlok, T. Piechowiak, A. Krempa, C. Puchalski, and M. Balawejder, *Agriculture* (2023) **13**, 12, 2274. [MDPI Link](#)
19. Distributed Compact Plasma Reactor Decontamination for Planetary Protection in Space Missions, B. Choudhury, T. Revazishvili, M. Lozada, S. Roy, E.N. Mastro, S. Portugal, and S. Roy, *Scientific Reports* (2023) **13**, 1928. [NatureLink](#)
20. Effect of Ozon Treatment on shelf-Life of Poultry Meat in the Logistic Chain, N. Matlok, A. Zapalowska, B. Dural, and M. Balawejder, *Acta Universitatis Cibiniensis Series E: Food Technology* (2023) **27**, 1, 155-161. [Sciendolink](#)
21. Iodide Oxidation by Ozone at the Surface of Aqueous Microdroplets, A.M. Prophet, K. Polley, G.J. Van Berkel, D.T. Limmer, and K.R. Wilson, *Chemical Science* (2023), DOI: 10.1039/d3sc04254e. [RSC Link](#)
22. Boosting Ozone Catalytic Oxidation of Toluene at Room Temperature by Using Hydroxyl-Mediated MnO<sub>x</sub>/Al<sub>2</sub>O<sub>3</sub> Catalysts, B. Zhang, Y. Shen, B. Liu, J. Ji, W. Dai, P. Huang, D. Zhang, G. Li, R. Xie, and H. Huang, *Environmental Science and Technology* (2023) **57**, 17, 7041-7050. [ACS Link](#)
23. Impact of the Geometric Structure Parameter on the Performance of Dielectric Barrier Reactor for Toluene Removal, X. Yu, S. Li, Y. Jiao, Y. Ren, Y. Kou, and X. Dang, *Environmental Science and Pollution Research* (2023) <https://doi.org/10.1007/s11356-023-31238-5>.
24. The Influence of Ozonation Carried Out during Vegetation on the Content of Selected Bioactive Phytochemicals and the Microbiological Load of Tubers of *Raphanus sativus* var. *sativus*, M. Zardzewialy, N. Matlok, T. Piechowiak, and M. Balawejder, *Agriculture* (2023) **13**, 11, 2153. [MDPI Link](#)
25. Constraining the Reaction Rate of Criegee Intermediates with Carboxylic Acids during the Multiphase Ozonolysis of Aerosolized Alkenes, R. Reynolds, M. Ahmed, and K.R. Wilson, *ACS Earth and Space Chemistry* (2023) **7**, 4, 901-911. [ACS Link](#)
26. Heterogeneous and Photosensitized Oxidative Degradation Kinetics of the Plastic Additive Bisphenol-A in Sea Spray Aerosol Mimics, S.M. Kruse and J.H. Slade, *Journal of Physical Chemistry A* (2023) **127**, 21, 4724-4733. [ACS Link](#)
27. Acute Ozone Exposure Decreases Terpene Emissions from Canary Island Pines, T. Vo and C.L. Faiola, *Agricultural and Forest Meteorology* (2023) **333**, 109416. [ScienceDirect](#)
28. Investigation of Hybrid Plasma-Catalytic Degradation of Toluene over FeOOH/ $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Catalysts, G. Ge, H. Lei, X. Yao, Y. Fang, and X. Cheng, *Journal of Environmental Chemical Engineering* (2023) **11**, 3, 109756. [ScienceDirect](#)
29. Degradation of Chlorobenzene by Non-Thermal Plasma Coupled with Catalyst: Influence of Catalyst, Interaction between Plasma and Catalyst, X. Shi, W. Liang, G. Yin, and J. Liu, *Plasma Science and Technology* (2023) **25**, 5, 055506. [IOP Science](#)
30. Remediation of Lindane Contaminated Soil by Fluidization-Like Dielectric Barrier Discharge, S. Zhang, Z. Liu, S. Li, S. Zhang, H. Fu, X. Tu, W. Zu, X. Shen, K. Yan, P. Gan, and X. Feng, *Journal of Hazardous Materials* (2023) **443**, A, 130164. [ScienceDirect](#)
31. Enhanced Activity of Plasma Catalysis for Trichloroethylene Decomposition Via Metal-Support Interaction of Si-O-Co/Mn Bonds over CoMnO<sub>x</sub>/ZSM-5, X. Yu, X. Dang, S. Li, Y. Li, H. Wang, K. Jing, H. Dong, and X. Liu, *Separation and Purification Technology* (2023) **305**, 122553. [ScienceDirect](#)
32. Heterojunctioned CuO/Cu<sub>2</sub>O Catalyst for Highly Efficient Ozone Removal, G. Ma, W. Tang, A. Wang, L. Zhang, J. Guan, N. Han, and Y. Chen, *Journal of Environmental Sciences* (2023) **125**, 340-348. [Elsevier Link](#)
33. High Accuracy Model for Measurement of Ozone Concentration Generated by Corona Discharge Ozone Generator, T.C.E. Marcus, M.H.Ibrahim, N.H. Ngajikin, A.I. Azmi, and M. David, *Journal of Business, Design & Technology* (2023) **1**, 2, 27218. [Link](#)
34. Construction of an Underwater Plasma and Fenton Hybrid System for the Rapid Oxidation of Organic Dyes and Antibiotics, S.H. Kim, J. Seo, Y. Hong, Y. Shin, H.-J. Chung, H.-R. An, C.Y. Kim, J.-I. Park and H.U. Lee, *Journal of Water Process Engineering* (2023) **52**, 103519. [ScienceDirect](#)
35. Chemical Characterization and Formation of Secondary Organosiloxane Aerosol (SOSiA) from OH Oxidation of Decamethylcyclopentasiloxane, Y. Chen, Y. Park, H.G. Kang, J. Jeong, and H. Kim, *Environmental Science: Atmospheres* (2023) **3**, 662-671. [RSC Link](#)

Model 106-MH or Model 106-H Ozone Monitors

36. Physicochemical Characteristics and Antimicrobial Efficacy of Plasma-Activated Water Produced by an Air-Operated Coaxial Dielectric Barrier Discharge Plasma, F.S. Miranda, V.K.F. Tavares, M.P. Gomes, N.F. Azevedo Neto, W. Chiappim, G. Petraconi, R.S. Pessoa, and C.Y. Koga-Ito, *Water* (2023) **15**, 23, 4045. [MDPI Link](#) [106H]
37. Antimicrobial Efficacy of *in-situ* Plasma-Generated Ozone Against *Pseudomonas aeruginosa* Biofilms in Drains and Water-Submerged Surfaces, M.Z. Pajak-Zajac, A. Dowdell, A. Buckley, H.E. Potts, A. Smith, and D.A. Diver, bioRxiv preprint (2023), 24 pp. [bioRxiv link](#) [106MH]

Model 202 Ozone Monitor

38. Insights into Secondary Organic Aerosol Formation from the Day- and Nighttime Oxidation of Polycyclic Aromatic Hydrocarbons and Furans in an Oxidation Flow Reactor, A.E.R. El Mais, B. D'Anna, L. Drinovec, A.T. Lambe, Z. Peng, J.-E. Petit, O. Favez, S. Aït-Aïssa, and A. Albinet, *Atmospheric Chemistry and Physics* (2023) **23**, 23, 15077-15096. [ACP Link](#)
39. Lung-Gut Exis of Microbiome Alterations Following Co-exposure to Ultrafine Carbon Black and Ozone, M.H.H. Mazumder, J. Gandhi, N. Majumder, L. Wang, R.I. Cumming, S. Stradtman, M. Velayutham, Q.A. Hathaway, J. Shannahan, G. Hu, T.R. Nurkiewicz, R.M. Tighe, E.E. Kelley, and S. Hussain, *Particle and Fibre Toxicology* (2023) **20**, 15. [SpringerLink](#)
40. Effects of Indoor Air Quality and Home Environmental Characteristics on Allergic Diseases Among Preschool Children in the Greater Taipei Area, H.-C. Huang, M.-L. Zou, Y.H. Chen, C.-B. Jiang, C.-D. Wu, S.-C.C. Lung, L.-C. Chien, Y.-C. Lo, and H. J. Chao, *Science of The Total Environment* (2023) **897**, 165392. [ScienceDirect](#)
41. Functional Responses of Two Mediterranean Pine Species in an Ozone Free-Air Controlled Exposure (FACE) Experiment, Y. Hoshika, L. Cotrozzi, O. Gavrichkova, C. Nali, E. Pellegrini, A. Scartazza, and E. Paoletti, *Tree Physiology* (2023) **43**, 9, 1548-1561. [Oxford Link](#)
42. Effects of Operational Parameters on Plasma Characteristics and Liquid Treatment of a DBD-Based Unipolar Microsecond-Pulsed Helium Atmospheric Pressure Plasma Jet, M.J. Seong, Y.J. Ha, G.H. Park, S.J. Kim, H.M. Joh, and T.H. Chung, *Physics of Plasmas* (2023) **30**, 113506. [AIP Link](#)
43. Effects of Duty Ratio on Liquid- and Polymer-Surface Treatment by a Unipolar Microsecond-Pulsed Helium Atmospheric-Pressure Plasma Jet, J.H. Bae, J.J. Mun, M.J. Seong, S.J. Kim, H.M. Joh, and T.H. Chung, *Physics of Plasmas* (2023) **30**, 043515. [AIP Link](#)
44. Nighttime NO Emissions Strongly Suppress Chlorine and Nitrate Radical Formation during the Winter in Delhi, S.L. Haslett, D.M. Bell, V. Kumar, J.G. Slowik, D.S. Wang, S. Mishra, N. Rastogi, A. Singh, D. Ganguly, J. Thornton, F. Zheng, Y. Li, W. Nie, Y. Liu, W. Ma, C. Yan, M. Kulmala, K.R. Daellenbach, D. Hadden, U. Baltensperger, A.S.H. Prevot, S.N. Tripathi, and C. Mohr, *Atmospheric Chemistry and Physics* (2023) **23**, 16, 9023-9036. [ACP Link](#)
45. Eco-Friendly *in-situ* Synthesis of Monolithic NiFe Layered Double Hydroxide for Catalytic Decomposition of Ozone, Z. Wang, X. Li, J. Ma, and H. He, *Catalysis Communications* (2023) **177**, 106635. [ScienceDirect](#)
46. The Magpie and the Grapes: Increasing Ozone Exposure Impacts Fruit Consumption by a Common Corvid in a Suburban Environment, A. Viviano, E. Mori, J. Manzini, E. Paoletti, Y. Hoshika, L. Cotrozzi, C. Pisuttu, S. Risoli, A. Materassi, and B.B. Moura, *Pest Management Science* (2023) doi: 10.1002/ps.7819. [WileyOnline](#)
47. Synthetic Effect of Supports in Cu-Mn-Doped Oxide Catalysts for Promoting Ozone Decomposition under Humid Environment, Y. Li, H. Li, B. Zhao, Y. Ma, P. Liang, and T. Sun, *Environmental Science and Pollution Research* (2023) **30**, 102880-102893. [SpringerLink](#)
48. The Fate of Organic Peroxides Indoors: Quantifying Humidity-Dependent Uptake on Naturally Soiled Indoor Window Glass, M. Webb, L. Cui, G. Morrison, K. Baumann, J.D. Surratt, Z. Zhang, J. Atkin, and B.J. Turpin, *Environmental Science: Processes & Impacts* (2023) **25**, 1031-1048. [RSC Link](#)
49. Sex-Differences in the Effects of Indoor Air Pollutants and Household Environment on Preschool Child Cognitive Development, M.-L. Zou, H.-C. Huang, Y.-H. Chen, C.-B. Jiang, C.-D. Wu, S.-C.C. Lung, L.-C. Chien, Y.-C. Lo, and H.J. Chao, *Science of T-dihe Total Environment* (2023) **860**, 160365. [ScienceDirect](#)
50. Quantification of Natural Gas and Other Hydrocarbons from Production Sites in Northern West Virginia Using Tracer Flux Ratio Methodology, C. Daube, S.C. Herndon, J.E. Krechmer, D. Johnson, N. Clark, T.L. Footer, and E.D. Thoma, *Atmospheric Environment X* (2023) **19**, 100220. [ScienceDirect](#)

51. Comet Assay as an Early Predictor Tool to Detect Ozone Enhanced Sensitivity of Vegetation in a Free-Air Controlled Long-Term Exposure, R. Meschini, E. Paoletti, Y. Hoshika, Z.-A. Sideri-Manoka, A. Dell'Orso, G. Magni, and E. Kuzminsky, *Plant Stress* (2023) **10**, 100236. [ScienceDirect](#)
52. The Indoor Air Quality of Classrooms With and Without Portable Air Purifiers: A Pilot Study, D. Nosham, J. Lau, and J.A. Bovaird, *ASHRAE Transactions* (2023) **129**, 481-489. [ProQuest](#)
53. Assessment of Atmospheric Pollution in an Urban Area of Fortaleza, Ceará, Brazil, C.J.T. Neves, M.L. Silva, J.R. de Lima, A.C. da Silva, A.G. Costa, and R. dos Santos Araújo, *Revista AIDIS de Ingeniería y Ciencias Ambientales: Investigación, Desarrollo, y Práctica* (2023) **16**, 3, 888-905. [UNAM Link](#)

#### Model 205 Ozone Monitor

54. Characterising a Mobile Reference Station (MoRS) to Quantify Personal Exposure to Air Quality, M. Hedges, M. Priestman, M. Chadeau-Hyam, R. Sinharay, F.J. Kelly, and D.C. Green, *Atmospheric Environment* (2023) **315**, 120160. [ScienceDirect](#)
55. Development of Multi-Channel Whole-Air Sampling Equipment Onboard an Unmanned Aerial Vehicle for Investigating Volatile Organic Compounds' Vertical Distribution in the Planetary Boundary Layer, S. Yang, X. Li, L. Zeng, X. Yu, Y. Liu, S. Lu, X. Huang, D. Zhang, H. Xu, S. Lin, H. Liu, M. Feng, D. Song, Q. Tan, J. Cui, L. Wang, Y. Chen, W. Wang, H. Sun, M. Song, L. Kong, Y. Liu, L. Wei, X. Zhu, and Y. Zhang, *Atmospheric Measurement Techniques* (2023) **16**, 501-512. [AMT Link](#)
56. *Xanthomonas* Infection and Ozone Stress Distinctly Influence the Microbial Community Structure and Interactions in the Pepper Phyllosphere, R. Bhandari, A. Sanz-Saez, C.P. Leisner, and N. Potnis, *ISME Communications* (2023) **3**, 24. [Nature Link](#)
57. Emission Ratios and Diurnal Variability of Volatile Organic Compounds and Influence of Industrial Emission in Two Texas Cities, S. Shrestha, S. Yoon, S.L. Alvarez, Y. Wang, J.H. Flynn, S. Usenko, and R.J. Sheesley, *Atmosphere* (2023) **14**, 1006. [MDPI Link](#)
58. A Signature of Aged Biogenic Compounds Detected from Airborne VOC Measurements in the High Arctic Atmosphere in March/April 2018, R. Holzinger, O. Eppers, K. Adachi, H. Bozem, M. Hartmann, A. Herber, M. Koike, D.B. Millet, N. Moteki, S. Ohata, F. Stratmann, and A. Yoshida, *Atmospheric Environment* (2023) **309**, 119919. [ScienceDirect](#)
59. Ionic Strength Enhances the Multiphase Oxidation Rate of Sulfur Dioxide by Ozone in Aqueous Aerosols: Implications for Sulfate Production in the Marine Atmosphere, C. Yu, T. Liu, D. Ge, W. Nie, X. Chi, and A. Ding, *Environmental Science & Technology* (2023) **57**, 16, 6609-6615. [ACS Link](#)
60. Influence of Wildfire on Urban Ozone: An Observationally Constrained Box Modeling Study at a Site in the Colorado Front Range, P.S. Rickly, M.M. Coggon, K.C. Aikin, R.J. Alvarez II, S. Baidar, J.B. Gilman, G.I. Gkatzelis, C. Harkins, J. He, A. Lamplugh, A.O. Langford, B.C. McDonald, J. Peischl, M.A. Robinson, A.W. Rollins, R.H. Schwantes, C.J. Senff, C. Warneke, and S.S. Brown, *Environmental Science & Technology* (2023) **57**, 3, 1257-1267. [ACS Link](#)
61. Quantifying Ozone-Dependent Emissions of Volatile Organic Compounds from the Human Body, Y. Qu, Z. Zou, C.J. Weschler, Y. Liu, and X. Yang, *Environmental Science & Technology* (2023) **57**, 35, 13104-13113. [ACS Link](#)
62. Impacts of Ground-Level Ozone on Sugarcane Production, A.W. Cheesman, F. Brown, M.N. Farha, T.M. Rosan, G.A. Folberth, F. Hayes, B.B. Moura, E. Paoletti, Y. Hoshika, C.P. Osborne, L.A. Cernusak, R.V. Ribeiro, and S. Stith, *Science of The Total Environment* (2023) **904**, 166817. [ScienceDirect](#)
63. A Superior Catalyst for Ozone Decomposition: NiFe Layered Double Hydroxide, Z. Wang, Y. Chen, X. Li, J. Ma, G. He and H. He, *Journal of Environmental Sciences* (2023) **134**, 2-10. [ScienceDirect](#)
64. Secondary Aerosol Formation in an Oxidation Flow Reactor-Mass Spectrometry and Particle Size Measurements, F. Sasso, F. Picca, A. Pignatelli, M. Commodo, P. Minutolo, and A. D'Anna, *Proceedings, Joint Meeting of the Belgian and Italian Sections of The Combustion Institute, 45<sup>th</sup> Meeting of the Belgian and Italian Section of The Combustion Institute, May 28-31 (2023)*, Florence, Italy, VIII3, 6 pp. [CI Link](#)
65. Quantifying the Contributions of Aerosol- and Snow-Produced ClNO<sub>2</sub> through Observations and 1D Modeling, D. Jeong, S.M. McNamara, Q. Chen, J. Mirrielees, J. Edebeli, K.D. Kulju, S. Wang, L. Hayani, R.M. Kirpes, N.N. Lata, S. China, J.D. Fuentes, and K.A. Pratt, *ACS Earth and Space Chemistry* (2023) **7**, 12. [ACS Link](#)
66. Exhaust Particle Number and Composition for Diesel and Gasoline Passenger Cars under Transient Driving Conditions: Real-World Emissions Down to 1.5nm, T. Rönkkö, L. Pirjola, P. Karjalainen, P. Simonen, K. Teinilä, M. Bloss, L. Salo, A. Datta, B. Lal, R.K. Hooda, S. Saarikoski, and H. Timonen, *Environmental Pollution* (2023) **338**, 122645. [ScienceDirect](#)

Personal Ozone Monitor (POM)

67. Characterizing Nighttime Vertical Profiles of Atmospheric Particulate Matter and Ozone in a Megacity of South China Using Unmanned Aerial Vehicle Measurements, Z. Wang, R. Cao, B. Li, M. Cai, Z.-R. Peng, G. Zhang, Q. Lu, H.-D. He, J. Zhang, K. Shi, Y. Liu, H. Zhang, and X. Hu, *Environmental Research* (2023) **236**, part 2, 116854. [ScienceDirect](#)

Model 211 Scrubberless Ozone Monitor

68. Investigation of Ozone Formation Chemistry during the Salt Lake Regional Smoke, Ozone, and Aerosol Study (SAMOZA), M. Ninneman, S. Lyman, L. Hu, E. Cope, D. Ketcherside, and D. Jaffe, *ACS Earth and Space Chemistry* (2023) **7**, 12, 2521-2534. [ACS Link](#)
69. Effects of Boundary Layer Variations on Physicochemical Characteristics of Aerosols in Mid-Low-Altitude Regions, T.-Y. Chiang, W.-N. Chen, C.C.-K. Chou, S.-Y. Chang, and T.S. Wu, *Science of The Total Environment* (2023) **904**, 166849. [ScienceDirect](#)

Model UV-106-W Aqueous Ozone Monitor

70. Home Use of Ozonated Water for Preventive Therapeutic Oral Care: General Guidelines, F. Sabbah, C. Duval, and M.T. Weiser, *Giornale Italiano Ozono Terapia & House Organ Nuova FIO* (2023) **16**, 23-29. [Link](#) [UV-106-W]

Model 405 nm NO<sub>2</sub>/NO/NO<sub>x</sub> Monitor

71. Technical Note: Gas-Phase Nitrate radical Generation via Irradiation of Aerated Ceric Ammonium Nitrate Mixtures, A.T. Lambe, B. Bai, M. Takeuchi, N. Orwat, P. Zimmerman, M.W. Alton, N.L. Ng, A. Freedman, M.S. Clafin, D.R. Gentner, D.R. Worsnop, and P. Liu, *Atmospheric Chemistry and Physics* (2023) **23**, 21, 13869-13882. [ACP Link](#)

Model 306 Ozone Calibration Source

72. Tension as a Key Factor in Skin Responses to Pollution, E. Pambianchi, Z. Hagenberg, A. Pecorelli, A. Pasqui, J.-P. Therrien, and G. Valacchi, *Scientific Reports* (2023) **13**, 16013. [NatureLink](#)
73. Modulation of Cutaneous Carotenoid Content via Ozone Exposure, F. Cervellati, M. Benedusi, A. Mastaloudis, V. Nagliati, and G. Valacchi, *Cosmetics* (2023) **10**, 4, 97.

Model 714 NO<sub>2</sub>/NO/O<sub>3</sub> Calibration Source

74. Roadside NO<sub>2</sub>/NO<sub>x</sub> and Primary NO<sub>2</sub> from Individual Vehicles, P. Brimblecombe, M. Chu, C.-H. Liu, Y. Fu, P. Wei and Z. Ning, *Atmospheric Environment* (2023) **295**, 119562. [ScienceDirect](#)

Multiple 2B Tech Instruments Used (models noted at end of citation)

75. Global Reanalysis Products Cannot Reproduce Seasonal and Diurnal Cycles of Tropospheric Ozone in the Congo Basin, I. Vieira, H. Verbeeck, F. Meunier, M. Peaucelle, T. Sibret, L. Lefevre, A.W. Cheesman, F. Brown, S. Sitch, J. Mbifo, P. Boeckx, and M. Bauters, *Atmospheric Environment* (2023) **304**, 119773. [ScienceDirect](#) [205+306]
76. Measurement Report: Inland Ship Emissions and Their Contribution to NO<sub>x</sub> and Ultrafine Particle Concentrations at the Rhine, P. Eger, T. Mathes, A. Zavarsky, and L. Duester, *Atmospheric Chemistry and Physics* (2023) **23**, 15, 8769-8788. [ACPLink](#) [405+714+205]
77. Response Surface Modeling of the Steady-State Impedance Responses of Gas Sensor Arrays Comprising Functionalized Carbon Nanotubes to Detect Ozone and Nitrogen Dioxide, K. Naishadham, G. Naishadham, N. Cabrera, and E. Bekyarova, *Sensors* (2023) **23**, 20, 8447. [MDPI Link](#) [405+714+202]
78. Decreased Moderate to Vigorous Physical Activity Levels in Children with Asthma are Associated with Increased Traffic-Related Air Pollutants, J. Aguilera, S. Jeon, A.U. Raysoni, W.-W. Li, and L.D. Whigham, *Journal of Environmental Health* (2023) **85**, 8, 16-24. [EBSCO Link](#) [202+405]
79. An Extensive Database of Airborne Trace Gas and Meteorological Observations from the Alpha Jet Atmospheric eXperiment (AJAX), E.L. Yates, L.T. Iraci, S.S. Kulawik, J.-M. Ryoo, J.E. Marrero, C.L. Parworth, J.M. St. Clair, T.F. Hanisco, T.P.V. Bui, C.S. Chang, and J.M. Dean-Day, *Earth System Science Data* (2023) **15**, 2375-2389. [ESSD Link](#) [205+306]
80. Isomer-Resolved Mass Spectrometry Imaging of Acidic Phospholipids, B.S.R. Claes, A.P. Bowman, B.L.J. Poed, R.M.A. Heeren, S.J. Blanksby, and S.R. Ellis, *Journal of the American Society for Mass Spectrometry* (2023) **34**, 10, 2269-2277. [ACS Link](#) [106L+106H]

81. Assessment of Air Pollution Levels during Sugarcane Stubble Burning Event in Las FERIA, South Texas, USA, S.D. Pinakana, E. Robles, E. Mendez, and A.U. Raysoni, *Pollutants* (2023) **3**, 2, 197-219. [MDPI Link](#) [202+405]
82. Monitoring Personal Exposure to Air Quality Gradients while Biking on an Elevated Urban Trail, G.D. Salas, *DePaul Discoveries* (2023) **12**, 8. [DePaul Link](#) [PAM+POM]
83. Exploring the Influence of Particle Phase in the Ozonolysis of Oleic and Elaidic Acid, R.K. Kohli, R.S. Reynolds, K.R. Wilson, and J.F. Davies, *Aerosol Science and Technology* (2023) DOI: [10.1080/02786826.2023.2226183](https://doi.org/10.1080/02786826.2023.2226183) [106L+106M]
84. The Effect of VOC and Environmental Parameters on Ozone Sensors Performance, M. Ghasemi, F. Haghighat, C.-S. Lee, and M. Namdari, *Advances in Building Energy Research* (2023) **17**, 2, 172-192. [Taylor&FrancisLink](#) [POM+211+202]
85. Modeling Diurnal Variation of SOA Formation via Multiphase Reactions of Biogenic Hydrocarbons, S. Han and M. Jang, *Atmospheric Chemistry and Physics* (2023) **23**, 1209-1226. [ACP Link](#) [106L+405]
86. Measuring Smoke Emissions from Prescribed Rangeland Burning in the Flint Hills Region Using Unmanned Aircraft Systems, Z. Liu, C. Baldwin, D. Watson, J. Prentice, T. Balthazor, and M.A. Haque, *Journal of the American Society of Agricultural and Biological Engineers* (2023) **66**, 5, 1293-1301. [Link](#) [POM+PAM]

#### Ozone or NOx Monitor (Model not specified in paper)

87. Modulation of Low-Dose Ozone and LPS Exposed Acute Mouse Lung Inflammation by IF1 Mediated ATP Hydrolysis Inhibitor, BTB06584, P. Singh and G.K. Aulakh, *Frontiers in Immunology* (2023) **14**, 11126574. [Front.Immunol.](#) [O3]
88. Synergistic Promotion Effects of Surface Hydroxyl Groups (-OH) and Nitrate Groups (-NO<sub>3</sub>) on Catalytic Ozonation of Toluene over MnFe Catalyst, C. An, X. Jiang, W. Hong, T. Zhu, Y. Sun, X. Li, and F. Shen, *Applied Catalysis A: General* (2023) **654**, 119078. [ScienceDirect](#) [O3]
89. Evaluation of Real-Time Monitored Ozone Concentration from Abuja, Nigeria, C. Ihedike, J.D. Mooney, J. Fulton, and J. Ling, *BMC Public Health* (2023) **23**, 496. [BMC Link](#) [O3]
90. Reflection of UVC Wavelengths from Common Materials during Surface UV Disinfection: Assessment of Human UV Exposure and Ozone Generation, B. Ma, S. Burke-Bevis, L. Tiefel, J. Rosen, B. Feeney, and K.G. Linden, *Science of The Total Environment* (2023) **869**, 161848. [ScienceDirect](#) [O3]
91. Role of PPAR $\gamma$  in Dyslipidemia and Altered Pulmonary Functioning in Mice Following Ozone Exposure, L.C. Smith, A.J. Gow, E. Abramova, K. Vayas, C. Guo, J. Noto, J. Lyman, J. Rodriguez, B. Felfand-Titiyevskiy, C. Malcolm, J.D. Laskin, and D.L. Laskin, *Toxicological Sciences* (2023) **194**, 1, 109-119. [OxfordLink](#) [O3]
92. Comparison of the Yield and Chemical Composition of Secondary Organic Aerosol Generated from the OH and Cl Oxidation of Decamethylcyclopentasiloxane, A.M. Avery, M.W. Alton, M.R. Canagaratna, J.E. Krechmer, D.T. Sueper, N. Bhattacharyya, L.H. Ruiz, W.H. Brune, and A.T. Lambe, *ACS Earth and Space Chemistry* (2023) **7**, 218-229. [ACS Link](#) [O3]
93. To Promote the Catalytic Ozonation of Typical VOCs by Modifying NiO with Cetyltrimethylammonium Bromide, C. An, X. Jiang, W. Hong, Y. Sun and T. Zhu, *Processes* (2023) **11**, 7, 1893. [MDPI Link](#)
94. Ecophysiological Difference in Co-Existing Beech and Oak Saplings Grown in Different Soil Types under a Free-Air Ozone Exposure System, S. Kitaoka, C. Shi, T. Watanabe, and T. Koike, *Journal of Forest Research* (2023), DOI: [10.1080/13416979.2023.2290765](https://doi.org/10.1080/13416979.2023.2290765) [O3]
95. Impact of Pollutant Ozone on the Biophysical Properties of Tear Film Lipid Layer Model Membranes, M. Keramatnejad and C. DeWolf, *Membranes* (2023) **13**, 2, 165. [MDPI Link](#) [O3]
96. Insights into the Role of Nanorod-Shaped MnO<sub>2</sub> and CeO<sub>2</sub> in a Plasma Catalysis System for Methanol Oxidation, G. Zhang, G. Chen, H. Huang, Y. Qin, M. Fu, X. Tu, D. Ye, and J. Wu, *Nanomaterials* (2023) **13**, 6, 1026. [MDPI Link](#) [O3]
97. Visualizing Indoor Ozone Exposures via o-dianisidine Based Colorimetric Passive Sampler, H. Bhoi, J.H. Seo, and S. Weon, *Journal of Hazardous Materials* (2023) **460**, 132510. [Science Direct](#) [O3]
98. Effect of Parallel Magnetic Field on Physical and Chemical Characteristics of the Pulsed Needle-Plate Dielectric Barrier Discharge, N. Jiang, Y. Sun, B. Peng, Y. Qian, J. li, K. Shang, N. Lu, and Y. Yan, *Proceedings of the CSE* (2023) **43**, 3, 1231-1240. DOI: [10.13334/j.0258-8013.pcsee.212415](https://doi.org/10.13334/j.0258-8013.pcsee.212415) [O3]

**2022** (sorted by model number of the 2B Tech instrument used)Model 106L Ozone Monitor

1. Photocatalytic Removal of Toluene with CdIn<sub>2</sub>S<sub>4</sub>/CNFs Catalyst: Effect of Ozone Addition, R.Y. Liu, M.M. Trinh and M.B. Chang, *Sustainable Environment Research* (2022) **32**, 10. [SpringerLink](#)
2. Effects of Anesthesia on Ozone-Induced Lung and Systemic Inflammation, M.L. Wilson, J.A. Thysell, K.K. Baumann, D.V. Quaranta, W. S. Liang and M.A. Erickson, *Lung* (2022) **13**, doi: 10.1007/s00408-022-00514-5. [Springer Link](#)
3. Measurement of Blood-Brain Barrier Disruption in Mice Following Ozone Exposure Using Highly Sensitive Radiotracer Assays, M.A. Erickson, W.A. Banks and K.K. Baumann, *Current Protocols* (2022) **2**, e460, 10.1002/cpz1.460. [Wiley Link](#)
4. Ozonizing Sunflower Oil Using Fourier-Transform Infrared Spectroscopy for Product Characterization, D.T.R. Uebele, C.A. Téllez Soto, N.K.A.M. Galvão, C.R. Tim, A.S. da Silva Sobrinho, R.S. Pessoa and L. dos Santos, *Vibrational Spectroscopy* (2022) **123**, 103460. [ScienceDirect](#)
5. Bridged-Ozonolysis of Mixed Aromatic Hydrocarbons and Organic Amines: Inter-inhibited Decay Rate, Altered Product Yield and Synergistic-Effect-Enhanced Secondary Organic Aerosol Formation, W. Li, J. Chen, Q. Lin and T. An, *Science of The Total Environment* (2022) **843**, 156872. [ScienceDirect](#)
6. SARS-CoV-2 Inactivation by Ultraviolet Radiation and Visible Light is Dependent on Wavelength and Sample Matrix, M.A. Schuit, T.C. Larason, M.L. Krause, B.M. Green, B.P. Holland, S.P. Wood, S. Grantham, Y. Zong, C.J. Zarobila, D.L. Freeburger, D.M. Miller, J.K. Bohannon, S.A. Ratnesar-Shumate, E.R. Blatchley III, X. Li, P.A. Dabisch and C.C. Miller, *Journal of Photochemistry and Photobiology B: Biology* (2022) **233**, 112503. [ScienceDirect](#)
7. High Performance Ozone Decomposition over MnAl-based Mixed Oxide Catalysts Derived from Layered Double Hydroxides, M. Shao, W. Hong, T. Zhu, X. Jiang, Y. Sun and S. Hou, *Royal Society of Chemistry Advances* (2022) **12**, 26834-26845. [RSC Link](#)
8. Polyimide Surface Dielectric Barrier Discharge for Inactivation of SARS-CoV-2 Trapped in a Polypropylene Melt-Blown Filter, K.H. Baek, D. Jang, T. Kim, S. Ryoo, J.-Y. Yang, J.S. Park, E. Kim and S. Lee, *ACS Applied Polymer Materials* (2022) **4**, 11, 8127-8135. [ACS Link](#)
9. Plasma Generated Ozone and Reactive Oxygen Species for Point of Use PPE Decontamination System, M. Huang, M.K. Hasan, K. Rathore, M.A.H. Baky, J. Lassalle, J. Kraus, M. Burnette, C. Campbell, K. Wang, H. Jemison, S. Pillai, M. Pharr and D. Staack, *Plos One* (2022) **17**, 2, e0262818. [PlosOne Link](#)
10. Interfacial Structure Regulation of Mn(BO<sub>2</sub>)<sub>2</sub>/BNO to Enhance Catalytic Ozone Decomposition Performance, S. Wang, R. Zhang, R. Liu, K. Liu and Y. Zhou, *CIESC Journal Acta Chemical Society* (2022) **73**, 7, 3193-3201, 10.11949/0438-1157.20220240. [CIP Link](#)
11. Important Role of NO<sub>3</sub> Radical to Nitrate Formation Aloft in Urban Beijing: Insights from Triple Oxygen Isotopes Measured at the Tower, M.-Y. Fan, Y.-L. Zhang, Y.-C. Lin, Y. Hong, Z.-Y. Zhao, F. Xie, W. Du, F. Cao, Y. Sun and P. Fu, *Environmental Science & Technology* (2022) **56**, 11, 6870-6879. [ACS Link](#)
12. Surface Dielectric Barrier Discharge Plasma-Treated Pork Cut Parts: Bactericidal Efficacy and Physiochemical Characteristics, D. Boonyawan, K. Lamasai, C. Umongno, S. Rattanabattimong, L.D. Yu, C. Keunsaen, J. Maitip, and P. Thana, *Heliyon* (2022) **8**, e10915. [HeliyonLink](#)
13. Certification of the Effectiveness of a Mobile Air Purifier to Reduce Aerosol Concentrations in Closed Indoor Areas, U. Gommel, S. Bailer, D. Benz, G. Kreck, and J. Hessel, Report No. 330241-192 (2022), Fraunhofer IPA, 29 pp. [Link](#)

Model 106-M Ozone Monitor

14. Double Dielectric Barrier Discharge Incorporated with CeO<sub>2</sub>-Co<sub>3</sub>O<sub>4</sub>/γAl<sub>2</sub>O<sub>3</sub> Catalyst for Toluene Abatement by a Sequential Adsorption-Discharge Plasma Catalytic Process, S. Li, X. Yu, X. Dang, P. Wang, X. Meng, Q. Wang and H. Hou, *Journal of Cleaner Production* (2022) **340**, 130774. [ScienceDirect](#)
15. Ozonation Process Causes Changes in PARP-1 Expression and the Metabolism of NADPH in Strawberry Fruit during Storage, T. Piechowiak, B. Skora and M. Balawejder, *Journal of Biotechnology* (2022) **357**, 84-91. [ScienceDirect](#)
16. Removal of Gaseous Toluene by Nonthermal Plasma Coupled with Wet Scrubber Containing Fe<sup>+2</sup>, C. Jiang, C. Qin, M. Guo, J. Huang, D. Yan and X. Dang, *Journal of Industrial and Engineering Chemistry* (2022) **113**, 247-253. [ScienceDirect](#)

17. Fast and Deep Disinfection for Face Masks Recycle Using Vacuum Ultraviolet Irradiation, S. Ye, Y. Li, H. Huang, Y. Xu, S. Du, F. Wan, R. Xie, P. Huang, B. Liu, T. Dong, Z. He and D.Y.C. Leung, *Journal of Cleaner Production* (2022) **368**, 133221. [ScienceDirect](#)
18. Ozone Treatment Improves the Texture of Strawberry Fruit during Storage, T. Piechowiak, D. Migut, R. Józefczyk and M. Balawejder, *Antioxidants* (2022) **11**, 5, 821. [MDPI Link](#)
19. Ozone-Induced Lean Methane Oxidation over Cobalt Ion-Exchanged BEA Catalyst under Dry Reaction Conditions, S.M. Jin, K.-Y. Lee and D.-W. Lee, *Journal of Industrial and Engineering Chemistry* (2022) **112**, 296-306. [ScienceDirect](#)
20. Coupled Interfacial and Bulk Kinetics Govern the Timescales of Multiphase Ozonolysis Reactions, M.D. Willis and K.R. Wilson, *Journal of Physical Chemistry A* (2022) **126**, 30, 4991-5010. [ACS Link](#)
21. Modification of Manganese Oxides for Enhancing Ozone Catalytic Decomposition under Moist Conditions, Y. Wei, X. Min, Y. Li, H. Wang, F. Qi, P. Liang, H. Li, J. Hu and T. Sun, *Applied Catalysis A: General* (2022) **640**, 118659. [ScienceDirect](#)
22. In Situ Synthesis of Monolithic Cu<sub>2</sub>O-CuO/Cu Catalysts for Effective Ozone Decomposition, A. Wang, J. Guan, L. Zhang, H. Wang, G. Ma, G. Fan, W. Tang, N. Han and Y. Chen, *Journal of Physical Chemistry C* (2022) **126**, 1, 317-325. [ACS Link](#)
23. Realizing Toluene Deep Mineralization by Coupling Nonthermal Plasma and Nitrogen-Enriched Hollow Hybrid Carbon, C. Chen, M. Kosari, C. He, M. Ma, M. Tian, Z. Jiang and R. Albilali, *ACS Applied Materials & Interfaces* (2022) **14**, 1, 990-1001. [ACS Link](#)
24. Enhanced Plasma-Catalytic Oxidation of Methanol over MOF-Derived CeO<sub>2</sub> Catalysts with Exposed Active Sites, G. Chen, M. Mao, L. Chen, G. Zhang, Z. Wang, F. Liu, D. Ye and J. Wu, *Journal of Environmental Chemical Engineering* (2022) **10**, 6, 108981. [ScienceDirect](#)
25. Plasma-Generated Reactive Water Mist for Disinfection of N95 Respirators Laden with MS2 and T4 Bacteriophage Viruses, J. He, M. Waring, A. Fridman, A. Ravinovich, C. Bailey, G. Fridman and C.M. Sales, *Scientific Reports* (2022) **12**, 19944. [NatureLink](#)
26. A Novel Double Dielectric Barrier Discharge Reactor with High Field Emission and Secondary Electron Emission for Toluene Abatement, S. Li, X. Yu, X. Dang, P. Wang, X. Meng and H. Zheng, *Plasma Science and Technology* (2022) **24**, 015504. [IOPScience Link](#)

#### Model 106-MH or Model 106-H Ozone Monitors

27. Accelerating Ozonolysis Reactions Using Supplemental RF-Activation of Ions in a Linear Ion Trap Mass Spectrometer, B.L.J. Poad, R.S.E. Young, D.L. Marshall, A.J. Trevitt and S.J. Blanksby, *Analytical Chemistry* (2022) **94**, 9, 3897-3903. [106MH] [ACS Link](#)
28. Experimental Study of the Gas Flow Path for a Dielectric Barrier Discharge Ozone Generator Using for Wastewater Fish Hatchery Depollution, T.M. Layati, K. Nassour, S. Nemnich, N.E.H. Zenagui, M. Jbilou and A. Tilmatine, *International Journal of Plasma Environmental Science and Technology* (2022) **16**, e01005. [106H] [ResearchGate](#)
29. Synergistic Mechanism of Supported Mn-Ce Oxide in Catalytic Ozonation of Nitrofurazone Wastewater, N. Ma, Y. Ru, M. Weng, L. Chen, W. Chen and Q. Dai, *Chemosphere* (2022) **308**, 3, 136192. [106MH] [ScienceDirect](#)
30. Reduction of *Salmonella enterica* Typhimurium Populations and Quality of Grape Tomatoes Treated with Dry and Humidified Gaseous Ozone, L. Wang, X. Fan and J. Gurtler, *Postharvest Biology and Technology* (2022) **193**, 112061. [106MH] [ScienceDirect](#)
31. Controllable Synthesis of a Cu/Cu<sub>2</sub>O Mott-Schottky Heterojunctioned Catalyst for Highly Efficient Ozone Decomposition, G. Ma, A. Wang, J. Guan, L. Zhang, H. Wang, G. Fan, W. Tang, N. Han and Y. Chen, *Journal of Physical Chemistry C* (2022) **126**, 41, 17520-17527. [106MH] [ACS Link](#)
32. Design and Experimental Investigation of a Dual Swirl Combined DBD Plasma Combustor Head Actuator, J. Deng, P. Wang, Y. Sun, J. Zhou, Y. Luo, and D. He, *Sensors and Actuators A: Physical* (2022) **344**, 113707. [ScienceDirect](#) [106MH]

#### Model 202 Ozone Monitor

33. Possible Effects of Ozone Chemistry on the Phase Behavior of Skin Oil and Cooking Oil Films and Particles Indoors, S. Xu, F. Mahrt, F.K.A. Gregson and A.K. Bertram, *ACS Earth Space Chemistry* (2022) **6**, 7, 1836-1845. [ACS Link](#)
34. Indoor Ozone Chemistry Causes Changes in Phase Behavior of Indoor Organic Films Containing Unsaturated Lipids, Z. Xu, Masters Thesis (2022), University of British Columbia, 69 pp. [UBC Link](#)
35. Plasma Activated Medium Prepared by a Bipolar Microsecond-Pulsed Atmospheric Pressure Plasma Jet Array Induces Mitochondria-Mediated Apoptosis in Human Cervical Cancer Cells, A. Jo, H.M. Joh, J.H. Bae, S.J. Kim, T.H. Chung and J.W. Chung, *Plos One* (2022) **17**, 8, e0272805. [Plos Link](#)

36. Secondary Organic Aerosol Formation from Straw Burning Using an Oxidation Flow Reactor, H. Wang, S. Guo, Z. Wu, K. Qiao, R. Tang, Y. Yu, W. Xu, W. Zhu, L. Zeng, X. Huang, L. He and M. Hallquist, *Journal of Environmental Sciences* (2022) **114**, 249-258. [ScienceDirect](#)
37. Layered Double Hydroxide Catalysts for Ozone Decomposition: The Synergic Role of  $M^{2+}$  and  $M^{3+}$ , Z. Wang, Y. Chen, X. Li, G. He, J. Ma and H. He, *Environmental Science & Technology* (2022) **56**, 2, 1386-1394. [ACS Link](#)
38. Development and Optimization of Stationary Electrostatic Bioaerosol Sampler (SEBS) for Viable and Culturable Airborne Microorganisms, T.T. Han, N.T. Myers, S. Manibusan and G. Mainelis, *Journal of Aerosol Science* (2022) **162**, 105951. [ScienceDirect](#)
39. Ambient Size-Segregated Particulate Matter Characterization from a Port in Upstate New York, O.D. Moyebi, B.P. Frank, S. Tang, G. LaDuke, D.O. Carpenter and H.A. Khwaja, *Atmosphere* (2022) **13**, 6, 984. [MDPI Link](#)
40. Ozone Decomposition Mechanism at Different Structural Oxygen Vacancies on Manganese Dioxide, B. Xu, H. Qin, X. Wu and Y. Sun, *Journal of Physical Chemistry C* (2022) **126**, 40, 17076-17083. [ACS Link](#)
41. Bifunctional  $Mn^{2+}$  Grafted Ultra-Small  $TiO_2$  Nanoparticles on Carbon Cloth with Efficient Toluene Degradation in a Continuous Flow Reactor, X. Shao, M. Wu, Y. Zhang, W. Szeto, Y. Wang, W. Pan, J. Li and D.Y.C. Leung, *Chemical Engineering Science* (2022) **250**, 117389. [ScienceDirect](#)
42. Microvesicle-Derived miRNAs Regulate Proinflammatory Macrophage Activation in the Lung Following Ozone Exposure, J.M. Carnino, H. Lee, L.C. Smith, V.R. Sunil, R.C. Rancourt, K. Vayas, J. Cervelli, Z.H. Kwok, K. Ni, J.D. Laskin, Y. Jin and D.L. Laskin, *Toxicological Sciences* (2022) **187**, 1, 162-174. [AcademicLink](#)
43. Rate of Atmospheric Brown Carbon Whitening Governed by Environmental Conditions, E.G. Schnitzler, N.G.A. Gerrebos, T.S. Carter, Y. Huang, C.L. Heald, A.K. Bertram and J.P.D. Abbatt, *Proceedings of the National Academy of Sciences* (2022) **119**, 38, e2205610119. [PNAS Link](#)
44. Sugarcane Responses to Elevated Ozone, B.B. Moura, Y. Hoshika, R.V. Ribeiro and E. Paoletti, *2002 IEEE Workshop on Metrology for Agriculture and Forestry* (2022), pp. 169-173, doi:10.1109/MetroAgriFor55389.2022.9965040. [IEEE Link](#)
45. Isoprene Epoxydiol-Derived Sulfated and Nonsulfated Oligomers Suppress Particulate Mass Loss during Oxidative Aging of Secondary Organic Aerosol, N.C. Armstrong, Y. Chen, T. Cui, Y. Zhang, C. Christensen, Z. Zhang, B.J. Turpin, M.N. Chan, A. Gold, A.P. Ault and J.D. Surratt, *Environmental Science & Technology* (2022) **56**, 23, 16611-16620. [ACS Link](#)
46. Mechanistic Study of Vacuum UV Catalytic Oxidation for Toluene Degradation over  $CeO_2$  Nanorods, M. Wu, Y. Zhang, H. Huang and D.Y.C. Leung, *Green Energy & Environment* (2022) **7**, 3, 533-544. [Science Direct](#)
47. Impacts of Building Envelope Design on Indoor Ozone Exposures and Health Risks in Urban Environments, N. Ma, M. Hakkarainen, M. Hou, D. Aviv, W.W. Braham, *Indoor and Built Environment* (2022) **31**, 10, 2499-2514. [SageLink](#)
48. Performance of In-Duct Bipolar Ionization Devices on Pollutant Removal and Potential Byproduct Formation in Indoor Environments, J. Shen, Z. Liu, D. Love, M. Dekold, B. Guo, M.J. Birnkrant, P.J. McKinney, B. Dong, and J. Zhang, paper presented at 17th International Conference on Indoor Air Quality and Climate, INDOOR AIR 2022, Kuopio, Finland. [Link](#)

#### Model 205 Ozone Monitor

49. Emission Rates of Volatile Organic Compounds from Humans, N. Wang, L. Ernle, G. Bekö, P. Wargocki and J. Williams, *Environmental Science & Technology* (2022), doi: 10.1021, acs.est.1c08764. [ACS Link](#)
50.  $CO_2$  Emission Rates from Sedentary Subjects under Controlled Laboratory Conditions, M. Sakamoto, M. Li, K. Kuga, K. Ito, G. Bekö, J. Williams and P. Wargocki, *Building and Environment* (2022) **211**, 108735. [ScienceDirect](#)
51. Ozone Exposure and Prothrombosis: Mechanistic Insights from a Randomized Controlled Exposure Trial, Y. Niu, H. Li, W. Wang, C. Wang, C. Liu, X. Du, Q. Zhang, J. Li, S. Shi, X. Meng, R. Chen and H. Kan, *Journal of Hazardous Materials* (2022) **429**, 128322. [ScienceDirect](#)
52. Ozone Exposure and Blood Transcriptome: A Randomized, Controlled, Crossover Trial Among Healthy Adults, X. Du, Y. Niu, C. Wang, W. Wang, C. Liu, X. Meng, C. Chu, R. Chen and H. Kan, *Environment International* (2022) **163**, 107242. [ScienceDirect](#)
53. The Fires, Asian, and Stratospheric Transport—Las Vegas Ozone Study (FAST—LVOS), A.O. Langford, C.J. Senff, R.J. Alvarez, K.C. Aikin, S. Baidar, T.A. Bonin, W.A. Brewer, J. Brioude, S.S. Brown, J.D. Burley, D.J. Caputi, S.A. Conley, P.D. Cullis, Z.C.J. Decker, S. Evan, G. Kirgis, M. Lin, M. Pagowski, J. Peischl, I. Petropavlovskikh, R.B. Pierce, T.B. Ryerson, S.P. Sandberg, C.W. Sterling, A.M. Weickmann and L. Zhang, *Atmospheric Chemistry and Physics* (2022) **22**, 3, 1707-1737. [ACP Link](#)

54. Cold Air Outbreaks Promote New Particle Formation Off the U.S. East Coast, A.F. Corral, Y. Choi, E. Crosbie, H. Dadashazar, J.P. DiGangi, G.S. Diskin, M. Fenn, D.B. Harper, S. Kirschler, H. Liu, R.H. Moore, J.B. Nowak, A.J. Scarino, S. Seaman, T. Shingler, M.A. Shook, K.L. Thornhill, C. Voigt, B. Zhang, L.D. Ziemba and A. Sorooshian, *Geophysical Research Letters* (2022) **49**, e2021GL096073. [AGU Link](#)
55. Substantial Contribution of Iodine to Arctic Ozone Destruction, N. Benavent, A.S. Mahajan, Q. Li, C.A. Cuevas, J. Schmale, H. Angot, T. Jokinen, L.L.J. Quéléver, A.-M. Blechschmidt, B. Zilker, A. Richter, J.A. Serna, D. Garcia-Nieto, R.P. Fernandez, H. Skov, A. Dumitrascu, P.S. Pereira, K. Abrahamsson, S. Bucci, M. Duetsch, A. Stohl, I. Beck, T. Laurila, B. Blomquist, D. Howard, S.D. Archer, L. Bariteau, D. Helmig, J. Hueber, H.-W. Jacobi, K. Posman, L. Dada, K.R. Daellenbach and A. Saiz-Lopez, *Nature Geoscience* (2022) **15**, 770-773. [NatureLink](#)
56. Chiral Monoterpenes Reveal Forest Emission Mechanisms and Drought Responses, J. Byron, J. Kreuzwieser, G. Purser, J. van Haren, S.N. Ladd, L.K. Meredith, C. Werner and J. Williams, *Nature* (2022) **609**, 307. [NatureLink](#)
57. Urban Inland Wintertime N<sub>2</sub>O<sub>5</sub> and ClNO<sub>2</sub> Influenced by Snow-Covered Ground, Air Turbulence, and Precipitation, K.D. Kulju, S.M. McNamara, Q. Chen, H.S. Kenagy, J. Edebeli, J.D. Fuentes, S.B. Bertman and K.A. Pratt, *Atmospheric Chemistry and Physics* (2022) **22**, 2553-2568. [ACP Link](#)
58. Direct Measurements of Ozone Response to Emissions Perturbations in California, S. Wu, H.J. Lee, A. Anderson, S. Liu, T. Kuwayama, J.H. Seinfeld and M.J. Kleeman, *Atmospheric Chemistry and Physics* (2022) **22**, 7, 4929-4949. [ACP Link](#)
59. Upgrading Emission Standards Inadvertently Increased OH Reactivity from Light-Duty Diesel Truck Exhaust in China: Evidence from Direct LP-LIF Measurement, Q. Sha, X. Liu, Z. Yuan, J. Zheng, S. Lou, H. Want, X. Li and F. Yu, *Environmental Science & Technology* (2022) **56**, 14, 9968-9977. [ACS Link](#)
60. Year-Round Trace Gas Measurements in the Central Arctic during the MOSAiC Expedition, H. Angot, B. Blomquist, D. Howard, S. Archer, L. Bariteau, I. Beck, M. Boyer, M. Crotwell, D. Helmig, J. Hueber, H.-W. Jacobi, T. Jokinen, M. Kulmala, X. Lan, T. Laurila, M. Madronich, D. Neff, T. Petäjä, K. Posman, L. Quéléver, M.D. Shupe, I. Vimont and J. Schmale, *Scientific Data* (2022) **9**, 723. [NatureLink](#)
61. Oxidation Flow Reactor Results in a Chinese Megacity Emphasize the Important Contribution of S/IVOCs to Ambient SOA Formation, W. Hu, H. Zhou, W. Chen, Y. Ye, T. Pan, Y. Wang, W. Song, H. Zhang, W. Deng, M. Zhu, C. Wang, C. Wu, C. Ye, Z. Wang, B. Yuan, S. Huang, M. Xhao, Z. Peng, D.A. Day, P. Campuzano-Jost, A.T. Lambe, D.R. Worsnop, J.L. Jimenez and X. Wang, *Environmental Science & Technology* (2022) **56**, 11, 6880-6893. [ACS Link](#)
62. Traffic, Transport, and Vegetation Drive VOC Concentrations in a Major Urban Area in Texas, S. Shrestha, S. Yoon, M.H. Erickson, F. Guo, M. Mehra, A.A.T. Bui, B.C. Schulze, A. Kotsakis, C. Daube, S.C. Herndon, T.I. Yacovitch, S. Alvarez, J.H. Flynn, R.J. Griffin, G.P. Cobb, S. Usenko, and R.J. Sheesley, *Science of The Total Environment* (2022) **838**, part 2, 155861. [ScienceDirect](#)
63. Multiphase Reactive Bromine Chemistry during Late Spring in the Arctic: Measurements of Gases, Particles, and Snow, D. Jeong, S.M. McNamara, A. J. Barget, A.R.W. Raso, L.M. Upchurch, S. Thanekar, P.K. Quinn, W.R. Simpson, J.D. Fuentes, P.B. Shepson, and K.A. Pratt, *ACS Earth and Space Chemistry* (2022) **6**, 12, 2877-2887. [ACS Link](#)

#### Personal Ozone Monitor (POM)

64. Personal Ozone Exposure and Stress Hormones in the Hypothalamus-Pituitary-Adrenal and Sympathetic-Adrenal Medullary Axes, Y. Xia, Y. Niu, J. Cai, C. Liu, X. Meng, R. Chen and H. Kan, *Environment International* (2022) **159**, 107050. [ScienceDirect](#)
65. A Model to Evaluate Ozone Distribution and Reaction Byproducts in Aircraft Cabin Environments, J. He, Y. Yin, J. Pei, Y. Sun, Z. Liu, Q. Chen and X. Yang, *Indoor Air: International Journal of Indoor Environment and Health* (2022) **32**, 11. [WileyLink](#)
66. Vertical Evolution of Black and Brown Carbon during Pollution Events over North China Plain, Q. Wang, L. Wang, C. Gong, M. Li, J. Xin, G. Tang, Y. Sun, J. Gao, Y. Wang, S. Wu, Y. Kang, Y. Yang, T. Li, J. Liu and Y. Wang, *Science of the Total Environment* (2022) **806**, 4, 150950. [Science Direct](#)
67. Modeling Ozone and Atmospheric Profiles Above a Shoreline Lake Michigan Site, J. Tirado, A. Voon, B. Kies, S. Borenstein, J. Hamilton, J. Hupy, B. Pierce, G. de Boer, T. Wagner, and P. Cleary, Conference Proceedings (2022), presented at American Chemical Society Spring Meeting, 20-24 March 2022, 10458444. [NSF Link](#)
68. Understanding Temperature, Humidity, and Ozone Profiles from Unmanned Aerial System Flights at the Lake Michigan Shoreline in Relation to Lake Breeze, B. Kies, P. Cleary, J. Radtke, and J. Hupy, presented at the American Chemical Society Spring Meeting, 20-24 March 2022, 10458442. [NSF Link](#)

Model UV-106-W Aqueous Ozone Monitor

69. Ozonated Water Preparation in Dental Offices: Estimation of Ozone Gas Solubility Ratio – Optimum Configurations and Practical Guidelines, F. Sabbah and W. Domb, *Ozone: Science & Engineering* (2022) **44**, 5, 486-498. [Taylor&Francis link](#)

Model 405 nm NO<sub>2</sub>/NO/NO<sub>x</sub> Monitor

70. Modulation of Photocatalytic Activity of SrBi<sub>2</sub>Ta<sub>2</sub>O<sub>9</sub> Nanosheets in NO Removal by Tuning Facets Exposure, N. Li, Q. Zhu, G. Liu, Q. Zhao, H. Lv, M. Yuan, Q. Meng, Y. Zhou, J. Xu and C. Wang, *Journal of Materials Science & Technology* (2022) **122**, 91-100. [ScienceDirect](#)
71. Current Challenges in Visibility Improvement in Sichuan Basin, G. Zhao, M. Hu, Z. Zhang, L. Tang, D. Shang, J. Ren, X. Meng, Y. Zhang, M. Feng, Y. Luo, S. Yang, Q. Tan, D. Song, S. Guo, Z. Wu, L. Zeng, Y. Zhang and S. Xie, *Geophysical Research Letters* (2022) **49**, 12. [AGU Link](#)

Model 410/401

72. Rapid Nitrate Reduction Produces Pulsed NO and N<sub>2</sub>O Emissions Following Wetting of Dryland Soils, A.H. Krichels, P.M. Homyak, E.L. Aronson, J.O. Sickman, J. Botthoff, H. Shulman, S. Piper, H.M. Andrews and G.D. Jenerette, *Biogeochemistry* (2022) **158**, 233-250. [SpringerLink](#)
73. Water-Conscious Management Strategies Reduce Per-Yield Irrigation and Soil Emissions of CO<sub>2</sub>, N<sub>2</sub>O, and NO in High-Temperature Forage Cropping Systems, H.M. Andrews, P.M. Homyak, P.Y. Oikawa, J. Wang and G.D. Jenerette, *Agriculture, Ecosystems & Environment* (2022) **332**, 107944. [ScienceDirect](#)

Model 306 Ozone Calibration Source

74. Comparison of Two Photolytic Calibration Methods for Nitrous Acid, A.J. Lindsay and E.C. Wood, *Atmospheric Measurement Techniques* (2022) **15**, 5455-5464. [AMT Link](#)

Model 714 NO<sub>2</sub>/NO/O<sub>3</sub> Calibration Source

75. MicroRNA Alterations Induced in Human Skin by Diesel Fumes, Ozone, and UV Radiation, G. Valacchi, E. Pambianchi, S. Coco, A. Pulliero and A. Izzotti, *Journal of Personalized Medicine* (2022) **12**, 176. [MDPI Link](#)
76. Portable Instrumental Odour Monitoring System for Air Quality Monitoring by Citizens in Outdoor Environments, S. Palomeque-Mangut, F. Meléndez, J. Gómez-Suárez, P. Arroyo, J.P. Santos and J. Lozano, *Chemical Engineering Transactions* (2022) **95**, 49-54, 10.3303/CET2295009. [CET Link](#)
77. Wearable System for Outdoor Air Quality Monitoring in a WSN with Cloud Computing: Design, Validation and Deployment, S. Palomeque-Mangut, F. Meléndez, J. Gómez-Suárez, S. Frutos-Puerto, P. Arroyo, E. Pinilla-Gil and J. Lozano, *Chemosphere* (2022) **307**, 3, 135948. [ScienceDirect](#)
78. Kerbside NO<sub>x</sub> and CO Concentrations and Emission Factors of Vehicles on a Busy Road, M. Chu, P. Brimblecombe, P. Wei, C.-H. Liu, X. Du, Y. Sun, Y.S. Yam and Z. Ning, *Atmospheric Environment* (2022) **271**, 118878. [ScienceDirect](#)

Multiple 2B Tech Instruments Used (models noted at end of citation)

79. A Collection of Airborne Measurements and Analyses of Trace Gases Emitted from Multiple Fires in California, L.T. Iraci, C.L. Purworth, E.L. Yates, J.E. Marrero and J.-M. Hyou, *Earth and Space Science* (2022) **9**, e2021EA002116. [AGU Link](#) [205+306]
80. Characteristics and Health Risk Assessment of Fine Particulate Matter and Surface Ozone: Results from Bengaluru, India, V. Prabhu, P. Singh, P. Kulkarni and V. Srekanth, *Environmental Monitoring and Assessment* (2022) **194**, 211. [Springer Link](#) [205+306]
81. Assessment of Traffic-Related Air Pollution (TRAP) at Two Near-Road Schools and Residence in El Paso, Texas, USA, A. Rangel, A.U. Raysoni, M.C. Chavez, S. Jeon, J. Aguilera, L.D. Whigham and W.-W. Li, *Atmospheric Pollution Research* (2022) **13**, 101304. [ScienceDirect](#) [202+405]
82. Observations of Gas-Phase Products from the Nitrate Radical-Initiated Oxidation of Four Monoterpenes, M. Dam, D.C. Draper, A. Marsavin, J.L. Fry and J.N. Smith, *Atmospheric Chemistry and Physics* (2022) **22**, 13, 9017-9031. [ACP Link](#) [106L+405]
83. The Sea Spray Chemistry and Particle Evolution Study (SeaSCAPE): Overview and Experimental Methods, J.S. Sauer, K.J. Mayer, C. Lee, M.R. Alves, S. Amiri, C.J. Bahaveolos, E.B. Franklin, D.R. Crocker, D. Dang, J. Dinasquet, L.A. Garofalo, C.P. Kaluarachchi, D.B. Kilgour, L.E. Mael, B.A. Mitts, D.R. Moon, A.N. Moore, C.K. Morris, C.A. Mullenmeister, C.-M. Ni, M.A. Pendergraft, D. Petras,

- R.M.C. Simpson, S. Smith, P.R. Tumminello, J.L. Walker, P.S. DeMott, D.K. Farmer, A.H. Goldstein, V.H. Grassian, J.S. Jaffe, F. Malfatti, R.R. Martz, J.H. Slade, A.V. Tivanski, T.H. Bertram, C.D. Cappa and K.A. Prather, *Environmental Science: Processes and Impacts* (2022) **24**, 290-315. [RSC Link](#) [106L+202+306]
84. Suppression of the Phenolic SOA Formation in the Presence of Electrolytic Inorganic Seed, J. Choi and M. Jang, *Science of The Total Environment* (2022) **851**, 1, 158082. [ScienceDirect](#) [106L+405]
85. Decoding Physical and Cognitive Impacts of Particulate Matter Concentrations at Ultra-Fine Scales, S. Talebi, D.J. Lary, L.O.H Wijeratne, B. Fernando, T. Lary, M. Lary, J. Sadler, A. Sridhar, J. Waczak, A. Aker and Y. Zhang, *Sensors* (2022) **22**, 11, 4240. [MDPI Link](#) [205+405+BCP]
86. Air Quality and Behavioral Impacts of Anti-Idling Campaigns in School Drop-Off Zones, D.L. Mendoza, T.M. Benney, R. Bares, B. Fasoli, C. Anderson, S.A. Gonzales, E.T. Crosman, M. Bayles, R.T. Forrest, J.R. Contreras and S. Hoch, *Atmosphere* (2022) **13**, 5, 706. [MDPI Link](#) [205+410]
87. Removal of Indoor Air Ozone Using Carbon-Based Filters: Systematic Development and Validation of a Predictive Model, M.G. Khararoodi, F. Haghghat and C.-S. Lee, *Building and Environment* (2022) **219**, 109157. [ScienceDirect](#) [211+202]

#### Ozone or NOx Monitor (Model not specified in paper)

88. Skin Volatile Organic Compound Emissions from 14 Healthy Young Adults under Controlled Conditions, Z. Zou and X. Yang, *Building and Environment* (2022) **222**, 109416. [ScienceDirect](#)
89. Simultaneous Removal of SO<sub>2</sub> and NO by O<sub>3</sub> Oxidation Combined with Seawater as Absorbent, Y. Wang, G. Zhang and J. Su, *Processes* **10**, 8, 1449. [MDPI Link](#)
90. Follow-Up Research on Simultaneous Removal of NO and SO<sub>2</sub> by Wet Scrubbing NaClO Solution Combined In Situ with Ozone Oxidation: Performance and Mechanism, J. Cheng, Z. Han, J. Li and X. Pan, *Industrial & Engineering Chemistry Research* (2022) **61**, 43, 15766-15777. [ACS Link](#)
91. Effect of Oxygen Vacancy on the Oxidation of Toluene by Ozone over Ag-Ce Catalysts at Low Temperature, X. Shi, X. Chen, L. Chen, J. Wang, H. Li, M. Mao, M. Fu, D. Ye, Z. Jing and J. Wu, *Applied Surface Science* (2022) **601**, 154237. [ScienceDirect](#)
92. Cultivar Assortment Index (CAI): A Tool to Evaluate the Ozone Tolerance of Indian Amaranth (*Amaranthus hypochondriacus* L.) Cultivars, P. Yadav, U. Mina, A. Bhatia and B. Singh, *Environmental Science and Pollution Research* (2022), <https://doi.org/10.1007/s11356-022-24327-4>. [SpringerLink](#)

## 2021 (sorted by model number of the 2B Tech instrument used)

#### Model 106L Ozone Monitor

1. Phosphate- and Mn-Modified Mesoporous TiO<sub>2</sub> for Efficient Catalytic Oxidation of Toluene in VUV-PCO System, Y. Shu, S. Liang, J. Xiao, Z. Tu and H. Huang, *Acta Physico-Chimica Sinica* (2021) **37**, 2010001. [APCS Link](#)
2. High Performance Cobalt Nanoparticle Catalysts Supported by Carbon for Ozone Decomposition: The Effects of the Cobalt Particle Size and Hydrophobic Carbon Support, D. Li, B. Cen, C. Fang, X. Leng, W. Wang, Y. Wang, J. Chen and M. Luo, *New Journal of Chemistry* (2021) **45**, 561-568. [RSC link](#)
3. Radiolytic Ozone Yield G(O<sub>3</sub>) from <sup>210</sup>Po Alpha-Particle Radiation in Air, A.A. Hecht, R. Gaio, S. Fellows, P. Baldez and P. Koonath, *Radiation Physics and Chemistry* (2021) **183**, 109387. [ScienceDirect](#)
4. Role of Manganese Doping TiO<sub>2</sub> Hollow Spheres under Vacuum Ultraviolet Irradiation, Y. Wei, P. Xu, T. Wei, L. Chen, X. Wang, S. Li, T. Guo and W. Li, *Kinetics and Catalysis* (2021) **62**, 1, 74-81. [SpringerLink](#)
5. Exploring an Efficient Manganese Oxide Catalyst for Ozone Decomposition and Its Deactivation Induced by Water Vapor, C. Fang, D. Li, X. Wang, Y. Wang, J. Chen and M. Luo, *New Journal of Chemistry* (2021) **45**, 10402-10408. [RSC Link](#)
6. Identification of Environmental and Experimental Factors Influencing Human Perception of DC and AC Electric Fields, K. Jankowiak, S. Driessen, A. Kaifia, S. Kimpeler, T. Krampert, T. Kraus, D. Stunder and M. Kursawe, *BioElectroMagnetics* (2021) **42**, 5, 341-356. [Wiley Link](#)
7. Effects of Electrode Matching and Operation Condition on the Oil Fume Removal by Electrostatic Technology, J. Zhao, Z. Gao, T. Zhu, M. Shao, Y. Sun, T. Fu and Y. Wang, *Chinese Journal of Environmental Engineering* (2021) **15**, 2, 609-617. [CJEE Link](#)

8. A Portable Air Quality Monitoring Unit and a Modular, Flexible Tool for On-Field Evaluation and Calibration of Low-Cost Gas Sensors, D. Suriano, *HardwareX* (2021) **9**, e00198. [ScienceDirect](#)
9. Combination of Microwave Discharge Electrodeless Lamp and a TiO<sub>2</sub>/HZSM-5 Composite for the Photocatalytic Degradation of Dimethyl Sulphide, Z. Zhu and J. Yu, *Environmental Research* (2021) **197**, 111082. [ScienceDirect](#)
10. Economic and Life Cycle Analysis of Passive and Active Monitoring of Ozone for Forest Protection, E. Carrari, A. De Marco, A. Laschi, O. Badea, L. Dalstein-Richier, S. Fares, S. Leca, E. Marchi, P. Sicard, I. Popa, Y. Hoshika, A. Materassi, G. Pallante, D. Pitar and E. Paoletti, *Environments* (2021) **8**, 10, 104. [MDPI Link](#)
11. Improved Catalytic Ozone Degradation over Hydrothermal-treated Cobalt Phosphate, G. Du, Q. Zhang, J. Liao, Y. Lin, F. Wu, J. Xiang, X. Wang and B. Zhang, *Materials Reports* (2021) **35**, 22. [MR Link](#)
12. Enhanced Activity and Water Tolerance Promoted by Ce on MnO/ZSM-5 for Ozone Decomposition, J. Ji, Y. Yu, S. Cao, and H. Huang, *Chemosphere* (2021) **280**, 130664. [ScienceDirect](#)

#### Model 106-M Ozone Monitor

13. Nonthermal Plasma Catalysis for Toluene Decomposition over BaTiO<sub>3</sub>-based Catalysts by Ce Doping at A-sites: The Role of Surface-Reactive Oxygen Species, K. Wu, Y. Sun, J. Liu, J. Xiong, J. Wu, J. Zhang, M. Fu, L. Chen, H. Huang and D. Ye, *Journal of Hazardous Materials* (2021) **405**, 124156. [Science Direct](#)
14. Two-Component Zeolite-Alumina System for Toluene Trapping with Subsequent Nonthermal Plasma Mineralization, C. Qin, M. Guo, Y. Zheng, R. Yu, J. Huang, X. Dang and D. Yan, *Journal of Industrial and Engineering Chemistry* (2021) **95**, 215-223. [Science Direct](#)
15. Pseudoviruses for the Assessment of Coronavirus Disinfection by Ozone, I. Zucker, Y. Lester, J. Alter, M. Werbner, Y. Yechezkel, M. Gal-Tanamy and M. Dessau, *Environmental Chemistry Letters* (2021) **19**, 1779-1785. [SpringerLink](#)
16. Process Optimization of Plasma-Catalytic Formaldehyde Removal Using MnO<sub>x</sub>-Fe<sub>2</sub>O<sub>3</sub> Catalysts by Response Surface Methodology, T. Chang, Z. Shen, C. Ma, J. Lu, Y. Huang, S.K.P. Veerapandian, N. De Geyter and R. Morent, *Journal of Environmental Chemical Engineering* (2021) **9**, 4, 105773. [ScienceDirect](#)
17. Blue Light Promotes Bactericidal Action of Plasma-Activated Water Against *Staphylococcus aureus* on Stainless Steel Surfaces, K.H. Baek, H.-J. Kim, T. Kang, Y.E. Lee, D.-K. Kim, D.-H. Kang and C. Jo, *Innovative Food Science and Emerging Technologies* (2021) **69**, 102663. [ScienceDirect](#)
18. Low-Dosage Ozonation in Gas-Phase Biofilter Promotes Community Diversity and Robustness, M. Yeung, P. Saingam, Y. Xu and J. Xi, *Microbiome* (2021) **9**, 14. [SpringerLink](#)
19. Study on the Synergistic Oxidation of Sulfite Solution by Ozone and Oxygen: Kinetics and Mechanism, Z. Lian, C. Zhu, S. Zhang, W. Ma and Q. Zhong, *Chemical Engineering Science* (2021) **242**, 116745. [ScienceDirect](#)
20. Purification of Organic Pollutants in Cationic Thiazine and Azo Dye Solutions Using Plasma-Based Advanced Oxidation Process via Submerged Multi-hole Dielectric Barrier Discharge, S. Ma, S. Lee, K. Kim, J. Im and H. Jeon, *Separation and Purification Technology* (2021) **255**, 117715. [ScienceDirect](#)
21. Diel Cycle Impacts on the Chemical and Light Absorption Properties of Organic Carbon Aerosol from Wildfires in the Western United States, B. Sumlin, E. Fortner, A. Lambe, N. Shetty, C. Daube, P. Liu, F. Majlut, S. Herndon and R.K. Chakrabarty, *Atmospheric Chemistry and Physics* (2021) **21**, 11843-11856. [ACP Link](#)
22. Effect of Ozone Treatment on Glutathione (GSH) Status in Selected Berry Fruit, T. Piechowiak, *Phytochemistry* (2021) **187**, 112767. [ScienceDirect](#)
23. Synthesis of Highly Porous Cu<sub>2</sub>O Catalysts for Efficient Ozone Decomposition, Y. Jiang, J. Chen, X. Zhao and G. Ma, *Catalysts* (2021) **11**, 600. [MDPI Link](#)
24. Effect of Inkjet-Printed Flexible Dielectric Barrier Discharge Plasma on Reduction of Pathogen and Quality Changes on Sliced Cheese, Y.S. Heo, D.G. Yim, K.H. Baek, T. Kang, Y.E. Lee, J. Kim, W. Choe and C. Jo, *LWT - Food Science and Technology* (2021) **143**, 111128. [ScienceDirect](#)
25. The Role of Mitochondrial Energy Metabolism in Shaping the Quality of Highbush Blueberry Fruit During Storage in Ozone-Enriched Atmosphere, T. Piechowiak, P. Sowa, M. Tarapatsky and M. Balawejder, *Food and Bioprocess Technology* (2021) **14**, 1973-1982. [SpringerLink](#)

26. Degradation of Rhodamine B and Methylene Blue by Underwater Dielectric Barrier Discharge, H. Lee, G. Yang, Y. Shin, K. Kim and Y. C. Hong, *IEEE Transactions on Plasma Science* (2021) **49**, 10, 3268-3271. [IEEE Link](#)
27. Byproducts Generation Characteristics of Non-thermal Plasma for NO Conversion: Effect of Reaction Conditions, X. Tang, R. Zhang, H. Yi, F. Gao, S. Zhao, J. Wang and K. Yang, *Plasma Chemistry and Plasma Processing* (2021) **41**, 369-387. [SpringerLink](#)
28. Removal of Taste and Odor Causing Compounds from Drinking Water Sources by Peroxone Process: Laboratory and Pilot Scale Studies, M. Fakioglu, H. Gulhan, H. Ozgun, M. Evren Ersahin and I. Ozturk, *Ozone: Science & Engineering* (2021) **43**, 6. [Taylor&Francis Link](#)
29. Effect of Two Types of Ozone Treatments on the Quality of Apple Fruits, M. Balawejder, N. Matlok, W. Sowa, N. Kończyk, T. Piechowiak and A. Zapalowska, *Acta Universitatis Cibiniensis Series E: Food Technology* (2021) **25**, 2, 285-292. [Sciendo Link](#)
30. Effects of Dielectric Barrier Discharge Plasma on Physico-Chemical and Microbiological Properties of Sliced Cheese and Functional Property of Egg White Protein, Y.S. Heo, Master's Thesis (2021), Seoul National University, 92 pp. [SNU Link](#)
31. Non-thermal Plasma Coupled with MOx/γ-Al<sub>2</sub>O<sub>3</sub> (M: Fe, Co, Mn, Ce) for Chlorobenzene Degradation: Analysis of Byproducts and the Reaction Mechanism, S. Li, X. Yu, X. Dang, X. Meng, Y. Zhang, and C. Qin, *Journal of Environmental Chemical Engineering* (2021) **9**, 6, 106562. [ScienceDirect](#)

#### Model 106-MH or Model 106-H Ozone Monitors

32. Influence of Mixed-Phase TiO<sub>2</sub> on the Activity of Adsorption-Plasma Photocatalysis for Total Oxidation of Toluene, Zhi. Ye, Zhe. Ye, A. Nikiforov, Ju. Chen, W. Zhou, Ji. Chen, G. Wang and Y. Zhang, *Chemical Engineering Journal* (2021) **407**, 126280. [ScienceDirect](#) [106MH]
33. The Influence of Relative Humidity on Double Dielectric Barrier Discharge Plasma for Chlorobenzene Removal, W. Zhou, Z. Ye, A. Nikiforov, J. Chen, J. Wang, L. Zhao and X. Zhang, *Journal of Cleaner Production* (2021) **288**, 125502. [Science Direct](#) [106MH]
34. A New Ozonated Cassava Film with the Addition of Cellulose Nanofibres: Production and Characterization of Mechanical, Barrier and Functional Properties, C.I.A. La Fuente, A.T. de Souza, C.C. Tadini and P.E.D. Augusto, *Journal of Polymers and the Environment* (2021) **29**, 1908-1920. [SpringerLink](#) [106H]
35. Evaluation of Ozone Technology as an Alternative for Degradation of Free Gossypol in Cottonseed Meal: A Prospective Study, A. de Cássia Romero, M.A. Calori-Domingues, A.L. Abdalla and P.E.D. Augusto, *Food Additives & Contaminants: Part A* (2021) **38**, 4, 659-669. [Taylor&Francis](#) [106-H]
36. V<sub>2</sub>O<sub>5</sub>-(NH<sub>4</sub>)<sub>2</sub>V<sub>6</sub>O<sub>16</sub>•1.5H<sub>2</sub>O Composite Catalysts as Novel Platforms for High-Efficiency Catalytic Ozonation of NO under Low Temperature, F. Meng, L. Guo, J. He, Z. Wang, Z. Ma, Y. Zeng, S. Zhang and Q. Zhong, *Journal of Physics and Chemistry of Solids* (2021) **155**, 110112. [ScienceDirect](#)
37. An Ozonolysis Based Method and Applications for the Non-Lethal Modification of Insect Cuticular Hydrocarbons, B. Savage, Z. Wang, H. Chung, S. Masten and M. Grieshop, *Journal of Chemical Ecology* (2021) **47**, 628-641. [SpringerLink](#) [106H]
38. The Role of O<sub>3</sub> on the Selective Formation of Nitrate and Nitrite in Plasma-Treated Water, Y.-H. Teng, Y.-T. Lin, W.-H. Wang and Y.-H. Liao, *Journal of Physics D: Applied Physics* (2021) **54**, 325203. [IOPScience](#) [106MH]
39. Apocryphal FADS2 Activity Promotes Fatty Acid Diversification in Cancer, R.S.E. Young, A.P. Bowman, E.D. Williams, K.D. Tousignant, C.L. Bidgood, V.R. Narreddula, R. Gupta, D.L. Marshall, B.L.J. Poad, C.C. Nelson, S.R. Ellis, R.M.A. Heeren, M.C. Sadowski and S.J. Blanksby, *Cell Reports* (2021) **34**, 6, 108738. [ScienceDirect](#) [106H]
40. Ozonation of Agri-Food Products for Reducing Mycotoxin Contamination: Challenges in Grains and Particulates Processing, A. de Cássia Romero, J.B. de Almeida Moraes, P.E.D. Augusto and M.A. Calori-Domingues, *Journal of Environmental Science and Health, Part B* (2021) **56**, 9, 845-851. [Taylor&FrancisLink](#) [106H]
41. Experimental Investigation of Dry Powder Coating Processing Parameters on the Polystyrene Particle's Distribution on the Surface of Carbon Fibers, A.A. Jaber, A.A. Obaid, S.G. Advani and J.W. Gillespie Jr., *Powder Technology* (2021) **393**, 461-470. [ScienceDirect](#) [106MH]
42. Influence of Relative Humidity on Charge Stability of Ozone Treated Polystyrene Particles, A.A. Jaber, A.A. Obaid, S.G. Advani and J.W. Gillespie, *Journal of Applied Polymer Science* (2021) **138**, 9, doi:10.1002/app.49900. [WileyLink](#) [106MH]

43. Isomer-Resolved Imaging of Prostate Cancer Tissues Reveals Specific Lipid Unsaturation Profiles Associated with Lymphocytes and Abnormal Prostate Epithelia, R.S.E. Young, B.S.R. Claes, A.P. Bowman, E.D. Williams, B. Shepherd, A. Perren, B.L.J. Poad, S.R. Ellis, R.M.A. Heeren, M.C. Sadowski and S.J. Blanksby, *Frontiers in Endocrinology* (2021) **12**, 689600. [NIH Link](#) [106H]
44. Ozonização de “Leite Vegetal” de Amendoim para Degradação de Aflatoxinas, A.de Cássia Romero, P.E.D. Augusto, and M.A. Calori-Domingues, *R. bras. Ci. Vet., supl.* (2021) **28**, 2, 43-46, 10.4322/rbcv.2021.044. [WebLink](#) [106H]

#### Model 202 Ozone Monitor

45. Ce-Promoted Mn/ZSM-5 Catalysts for Highly Efficient Decomposition of Ozone, L. Wei, H. Chen, Y. Wei, J. Jia and R. Zhang, *Journal of Environmental Sciences* (2021) **103**, 219-228. [ScienceDirect](#)
46. Formation of Gas-Phase Hydrogen Peroxide via Multiphase Ozonolysis of Unsaturated Lipids, Z. Zhou and J.P.D. Abbatt, *Environmental Science & Technology Letters* (2021) **8**, 2, 114-120. [ACS Link](#)
47. Synergetic Effect of Vacuum Ultraviolet Photolysis and Ozone Catalytic Oxidation for Toluene Degradation over MnO<sub>2</sub>-rGO Composite Catalyst, M. Wu, Y.H. Kwok, Y. Zhang, W. Szeto, H. Huang and D.Y.C. Leung, *Chemical Engineering Science* (2021) **231**, 116288. [Science Direct](#)
48. A Robust H-Transfer Redox Mechanism Determines the High-Efficiency Catalytic Performance of Layered Double Hydroxides, J. Ma, Y. Chen, G. He and H. He, *Applied Catalysis B: Environmental* (2021) **285**, 119806. [Science Direct](#)
49. Metabolic and Physiological Alterations Indicate that the Tropical Broadleaf Tree *Eugenia uniflora* L. Is Sensitive to Ozone, M.R.G. da Silva Engela, C.M. Furlan, M.P. Esposito, F.F. Fernandes, E. Carrari, M. Domingos, E. Paoletti and Y. Hoshika, *Science of the Total Environment* (2021) **769**, 145080. [ScienceDirect](#)
50. Formation of Active Species and Degradation of Bromamine Acid by Gas-Liquid Electrical Discharge in Different Atmospheres, K. Ma, Z. Ren, L. Zhou, B. Yu, Y. Xin, H. Li, C. Bao and Y. Zhou, *International Journal of Electrochemical Science* (2021) **16**, 210345. [IJES Link](#)
51. Polypropylene Nonwoven Loaded with Cerium-Doped Manganese Oxides Submicron Particles for Ozone Decomposition and Air Filtration, X. Tang, Y. Dong, J. Wei, Z. Kong, L. Yu, H. Zhang and Y. Ji, *Separation and Purification Technology* (2021) **262**, 118332. [ScienceDirect](#)
52. Different Capability of Native and Non-Native Plant Growth-Promoting Bacteria to Improve Snap Bean Tolerance to Ozone, P. Kittipornkul, P. Thiravetyan, A. De Carlo, K. Burkey and E. Paoletti, *Water, Air, & Soil Pollution* (2021) **232**, 307. [SpringerLink](#)
53. Humidity-Dependent Phase State of Gasoline Vehicle Emission-Related Aerosols, X. Meng, Z. Wu, S. Guo, H. Wang, K. Liu, T. Zong, Y. Liu, W. Zhang, Z. Zhang, S. Chen, L. Zeng, M. Hallquist, S. Shuai and M. Hu, *Environmental Science & Technology* (2021) **55**, 832-841. [ACS Link](#)
54. Chemical Composition of Gas and Particle Phase Products of Toluene Photooxidation Reaction under High OH Exposure Condition, Y.-S. Lau, M.-N. Chan, H.-Y. Poon, Y. Tan, S.-C. Lee, J. Li and K.-F. Ho, *Atmosphere* (2021) **12**, 915. [MDPI Link](#)
55. Secondary Aerosol Formation from a Chinese Gasoline Vehicle: Impacts of Fuel (E10, gasoline) and Driving Conditions (idling, cruising), H. Wang, S. Guo, Y. Yu, R. Shen, W. Zhu, R. Tang, R. Tan, K. Liu, K. Song, W. Zhang, Z. Zhang, S. Shuai, H. Xu, J. Zheng, S. Chen, S. Li, L. Zeng and Z. Wu, *Science of the Total Environment* (2021) **795**, 148809. [ScienceDirect](#)
56. Active Species Generation in Gas-liquid Discharge Non-thermal Plasma: Operating Conditions, Influencing Factors, and Mechanisms, K. Ma, L. Zhou, B. Yu, Y. Xin, Z. Cao, H. Li, C. Bao and Y. Zhou, *International Journal of Electrochemical Science* (2021) **16**, 210640. [IJES Link](#)
57. Oxidant-Induced Epithelial Alarmin Pathway Mediates Lung Inflammation and Functional Decline Following Ultrafine Carbon and Ozone Inhalation Co-Exposure, N. Majumder, W.T. Goldsmith, V.K. Kodali, M. Velayutham, S.A. Friend, V.V. Khramtsov, T.R. Nurkiewicz, A. Erdely, P.C. Zeidler-Erdely, V. Castranova, J.R. Harkema, E.E. Kelley and S. Hussain, *Redox Biology* (2021) **46**, 102092. [ScienceDirect](#)
58. Application of Dielectric Barrier Discharge for Improving Food Shelf Life and Reducing Spoilage, S. Roy, B. Choudhury, J. Johnson and A. Schindler-Tyka, *Scientific Reports* (2021) **11**, 19200. [NatureLink](#)
59. Transcriptomics of Single Dose and Repeated Carbon Black and Ozone Inhalation Co-Exposure Highlight Progressive Pulmonary Mitochondrial Dysfunction, Q.A. Hathaway, N. Majumder, W.T. Goldsmith, A. Kunovac, M.V. Pinti, J.R. Harkema, V. Castranova, J.M. Hollander and S. Hussain, *Particle and Fibre Toxicology* (2021) **18**, 44. [SpringerLink](#)

60. Measurement Report: Observation-Based Formaldehyde Production Rates and Their Relation to OH Reactivity Around the Arabian Peninsula, D. Dienhart, J.N. Crowley, E. Bourtsoukidis, A. Edtbauer, P.G. Eger, L. Erule, H. Harder, B. Hottmann, M. Martinez, U. Parchatka, J.-D. Paris, E.Y. Pfannerstill, R. Rohloff, J. Schuladen, C. Stöner, I. Tadic, S. Tauer, N. Want, J. Williams, J. Lelieveld and H. Fischer, *Atmospheric Chemistry and Physics* (2021) **21**, 17373-17388. [ACP Link](#)
61. Optimization of Pipe-and-Spike Discharge Electrode Shape for Improving Electrostatic Precipitator Collection Efficiency, G.-H. Lee, S.-Y. Hwang, T.-W. Cheon, H.-J. Kim, B. Han and S.-J. Yook, *Powder Technology* (2021) **379**, 241-250. [ScienceDirect](#)
62. Encapsulate  $\alpha$ -MnO<sub>2</sub> Nanofiber within Graphene Layer to Tune Surface Electronic Structure for Efficient Ozone Decomposition, G. Zhu, W. Zhu, Y. Lou, J. Ma, W. Yao, R. Zong and Y. Zhu, *Nature Communications* (2021) **12**, 4152. [NatureLink](#)
63. Air Quality Observations in the East of Quito, Ecuador in 2018-2020: Comparisons between Pre- and Post-COVID-19 Conditions, M. Cazorla, in *WIT Transactions on Ecology and the Environment* (2021) **252**, pp. 177-185. [OnlineLink](#)
64. Can Online Aerosol Mass Spectrometry Analysis Classify Secondary Organic Aerosol (SOA) and Oxidized Primary Organic Aerosol (OPOA)? A Case Study of Laboratory and Field Studies of Indonesian Biomass Burning, S.H. Budisulistiorini, J. Chen, M. Itoh and M. Kuwata, *ACS Earth and Space Chemistry* (2021) **5**, 12, 3511-3522. [ACS Link](#)

#### Model 205 Ozone Monitor

65. Long Island Enhanced Aerosol Event during 2018 LISTOS: Association with Heatwave and Marine Influences, J. Zhang, J. Mak, Z. Wei, C. Cao, M. Ninneman, J. Marto and J.J. Schwab, *Environmental Pollution* (2021) **270**, 116299. [Science Direct](#)
66. What the COVID-19 Lockdown Revealed about Photochemistry and Ozone Production in Quito, Ecuador, M. Cazorla, E. Herrera, E. Palomeque and N. Saud, *Atmospheric Pollution Research* (2021) **12**, 1, 124-133. [ScienceDirect](#)
67. Total OH Reactivity of Emissions from Humans: In Situ Measurement and Budget Analysis, N. Wang, N. Zannoni, L. Ernle, G. Bekö, P. Wargocki, M. Li, C.J. Weschler and J. Williams, *Environmental Science & Technology* (2021) **55**, 149-159. [ACS Link](#)
68. Chemical Changes in Thirdhand Smoke Associated with Remediation Using an Ozone Generator, X. Tang, N.R. Gonzalez, M.L. Russell, R.L. Maddalena, L.A. Gundel and H. Destailats, *Environmental Research* (2021) **198**, 110462. [Science Direct](#)
69. Winter Ozone Pollution in Utah's Uinta Basin is Attenuating, M.L. Mansfield and S.N. Lyman, *Atmosphere* (2021) **12**, 4. [MDPI Link](#)
70. Ozone Decomposition by a Manganese-Organic Framework over the Entire Humidity Range, Z.-B. Sun, Y.-N. Si, S.-N. Zhao, Q.-Y. Wang and S.-Q. Zang, *Journal of the American Chemical Society* (2021) **143**, 5150-5157. [ACS Link](#)
71. Aircraft-Based Inversions Quantify the Importance of Wetlands and Livestock for Upper Midwest Methane Emissions, X. Yu, D.B. Millet, K.C. Wells, D.K. Henze, H. Cao, T.J. Griffis, E.A. Kort, G. Plant, M.J. Deventer, R.K. Kolka, D.T. Roman, K.J. Davis, A.R. Desai, B.C. Baier, K. McKain, A.C. Czarnetzki and A.A. Bloom, *Atmospheric Chemistry and Physics* (2021) **21**, 951-971. [ACP Link](#)
72. Impact of Ozone and Inlet Design on the Detection of Isoprene-Derived Organic Nitrates by Thermal Dissociation Cavity Ring-Down Spectroscopy, P. Dewald, R. Dorich, J. Schuladen, J. Lelieveld and J.N. Crowley, *Atmospheric Measurement Techniques* (2021) **14**, 8, 5501-5519. [AMT Link](#)
73. Urban Core-Downwind Differences and Relationships Related to Ozone Production in a Major Urban Area in Texas, F. Guo, A.A.T. Bui, B.C. Schulze, S. Yoon, S. Shrestha, H.W. Wallace, Y. Sakai, B.W. Actkinson, M.H. Erickson, S. Alvarez, R. Sheesley, S. Usenko, J. Flynn and R.J. Griffin, *Atmospheric Environment* (2021) **262**, 118624. [ScienceDirect](#)
74. The Post Plasma-Catalytic Decomposition of Toluene over K-Modified OMS-2 Catalysts at Ambient Temperature: Effect of K<sup>+</sup> Loading Amount and Reaction Mechanism, N. Jiang, X. Li, X. Kong, Y. Zhao, J. Li, K. Shang, N. Lu and Y. Wu, *Journal of Colloid and Interface Science* (2021) **598**, 519-529. [ScienceDirect](#)
75. Effect of Ozone, Clothing, Temperature, and Humidity on the Total OH Reactivity Emitted from Humans, N. Zannoni, M. Li, N. Wang, L. Ernle, G. Bekö, P. Wargocki, S. Langer, C.J. Weschler, G. Morrison and J. Williams, *Environmental Science & Technology* (2021) **55**, 13614-13624. [ACS Link](#)
76. Ozone Initiates Human-Derived Emission of Nanocluster Aerosols, S. Yang, D. Licina, C.J. Weschler, N. Wang, N. Zannoni, M. Li, J. Vanhanen, S. Langer, P. Wargocki, J. Williams and G. Bekö, *Environmental Science & Technology* (2021) **55**, 14536-14545. [ACSLink](#)
77. The Wasatch Environmental Observatory: A Mountain to Urban Research Network in the Semi-Arid Western US, J.J. Follstad Shah, R. Bares, B.B. Bowen, G.J. Bowen, D.R. Bowling, D.P. Eiriksson, B. Fasoli, R.P. Fiorella, A.G. Hallar, S.J. Hinnert, J.D. Horel, A.A. Jacques, L.R. Jamison, J.C. Lin, D.L. Mendoza, L.E. Mitchell, D.E. Pataki, S. M. Skiles, R.M. Smith, M.A. Wolf and P.D. Brooks, *Hydrological Processes* (2021) **35**, e14352. [Wiley Link](#)

78. Long-Range Transport Patterns into the Tropical Northwest Pacific during the CAMP<sup>2</sup>Ex Aircraft Campaign: Chemical Composition, Size Distributions, and the Impact of Convection, M.R.A. Hilario, E. Crosbie, M. Shook, J.S. Reid, M.O.L. Cambaliza, J.B.B. Simpas, L. Ziemba, J.P. DiGangi, G.S. Diskin, P. Nguyen, F.J. Turk, E. Winstead, C.E. Robinson, J. Wang, J. Zhang, Y. Wang, S. Yoon, J. Flynn, S.L. Alvarez, A. Behrangi, and A. Sorooshian, *Atmospheric Chemistry and Physics* (2021) **21**, 3777-3802. [ACP Link](#)
79. Secondary Aerosol Formation in an Arctic Oil Field Campaign Report, K.A. Pratt, A.T. Lambe, K. Kulju, N. Perkins, D. Jeong, B.M. Lerner, J.E. Krechmer, M.S. Claflin, F. Maljuf and E.S. Cross, Department of Energy Report (2021), DOE/SC-ARM-21-008, 11 pp. [OSTI Link](#)
80. Sources and Characterization of Ozone and Submicron Aerosol in San Antonio, Texas, F. Guo, Ph.D. Thesis (2021), Rice University, 147 pp. [RiceUniv Link](#)
81. Composition of Organic Carbon-Based Compounds in the Stem Wood of *Quercus mongolica* Seedlings Grown Under Elevated CO<sub>2</sub> and/or O<sub>3</sub> Concentrations, S. Ugawa, S. Hasimoto, K. Hashida, H. Tobita and M. Kitao, *Frontiers in Forests and Global Change* (2021) **4**, 768593. [2B Tech Link](#)
82. Using Traffic Density and Foliar Chemistry Variables to Understand Interactions Between Air Pollution and Household Income, L.A.E. Cobley, D.E. Pataki, F.R. Adler and S.J. Hinnners, *Journal of Geophysical Research-Atmospheres* (2021) **126**, 23. [AGU Link](#)
83. Effects of Turbulence on Halogens Causing Ozone Depletion, S. Lin, Masters Thesis, Pennsylvania State University (2021), 53 pp. [PSU Link](#)

#### Personal Ozone Monitor (POM)

84. Tracing Surface and Airborne SARS-CoV-2 RNA Inside Public Buses and Subway Trains, T. Moreno, R.M. Pintó, A. Bosch, N. Moreno, A. Alastuey, M.C. Minguillón, E. Anfruns-Estrada, S. Guix, C. Fuentes, G. Buonanno, L. Stabile, L. Morawska and X. Querol, *Environment International* (2021) **147**, 106326. [ScienceDirect](#)
85. Characterization of Ground-Based Atmospheric Pollution and Meteorology Sampling Stations during the Lake Michigan Ozone Study 2017, A.G. Doak, M.B. Christiansen, H.D. Alwe, T.H. Bertram, G. Carmichael, P. Cleary, A.C. Czarnetzki, A.F. Dickens, M. Janssen, D. Kenski, D.B. Millet, G.A. Novak, B.R. Pierce, E.A. Stone, R.W. Long, M.P. Vermeuel, T.J. Wagner, L. Valin and C.O. Stanier, *Journal of the Air & Waste Management Association* (2021) **71**, 7, 866-889. [Taylor&Francis Link](#)
86. Development of a Performance Evaluation Protocol for Air Sensors Deployed on a Google Street View Car, W. Mui, B. Der Boghossian, A. Collier-Oxandale, S. Boddeker, J. Low, V. Papapostolou and A. Polidori, *Environmental Science & Technology* (2021) **55**, 3, 1477-1486. [ACS Link](#)
87. Unmanned Aerial Vehicle Measurements of Volatile Organic Compounds over a Subtropical Forest in China and Implications for Emission Heterogeneity, Y. Li, B. Liu, J. Ye, T. Jia, R.B. Khuzestani, J.Y. Sun, X. Cheng, Y. Zheng, X. Li, C. Wu, J. Xin, Z. Wu, M.A. Tomoto, K.A. McKinney, S.T. Martin, Y.J. Li and Q. Chen, *ACS Earth and Space Chemistry* (2021) **5**, 247-256. [ACS Link](#)
88. Overview of Lake Michigan Ozone Study 2017, C.O. Stanier, R.B. Pierce, M. Abdi-Oskouei, Z.E. Adelman, J. Al-Saadi, H.D. Alwe, T.H. Bertram, G.R. Charmichael, M.B. Christiansen, P.A. Cleary, A.C. Czarnetzki, A.F. Dickens, M.A. Fuoco, D.D. Hughes, J.P. Hupy, S.J. Janz, L.M. Judd, D. Kenski, M.G. Kowalewski, R.W. Long, D.B. Millet, G. Novak, B. Roozitalab, S.L. Shaw, E.A. Stone, J. Szykman, L. Valin, M. Vermeuel, T.J. Wagner, A.R. Whitehill and D.J. Williams, *Bulletin of the American Meteorological Society* (2021) **102**, 12, E2207-2225. [AMS Link](#)
89. Understanding the Local and Remote Source Contributions to Ambient O<sub>3</sub> during a Pollution Episode Using a Combination of Experimental Approaches in the Guadalquivir Valley, Southern Spain, M. in 't Veld, C. Carnerero, J. Massagué, A. Alastuey, J.D. de la Rosa, A.M. Sanchez de la Campa, M. Escudero, E. Mantilla, G. Gangoiti, C. Pérez García-Pando, M. Olid, J.R. Moreta, J.L. Hernández, J. Santamaría, M. Millán and X. Querol, *Science of the Total Environment* (2021) **777**, 144579. [ScienceDirect](#)
90. Low Particulate Nitrate in the Residual Layer in Autumn over the North China Plain, G. Tang, Y. Wang, Y. Liu, S. Wu, X. Huang, Y. Yang, Y. Wang, J. Ma, X. Bao, Z. Liu, D. Ji, T. Li, X. Li and Y. Wang, *Science of the Total Environment* (2021) **782**, 146845. [ScienceDirect](#)
91. Aggravated Ozone Pollution in the Strong Free Convection Boundary Layer, G. Tang, Y. Liu, X. Huang, Y. Wang, B. Hu, Y. Zhang, T. Song, X. Li, S. Wu, Q. Li, Y. Kang, Z. Zhu, M. Wang, Y. Wang, T. Li, X. Li and Y. Wang, *Science of the Total Environment* (2021) **788**, 147740. [ScienceDirect](#)
92. Acute Effects of Personal Ozone Exposure on Biomarkers of Inflammation, Oxidative Stress, and Mitochondrial Oxidative Damage—Shanghai Municipality, China, May-October 2016, Y. Xia, Y. Niu, J. Cai, C. Liu, X. Meng, R. Chen and H. Kan, *China CDC Weekly* (2021) **3**, 45, 954-958. [NIH Link](#)

93. Air Quality Monitoring Using an Environmental Drone, M. Hayasaki, *JARI Research Journal* (2021), 20211001, 14 pp. [2BTechLink](#)
94. Vertical Ozone Profiles Measurement in Riverside, CA, Z. Zhu, K. Do, D. Ibarra-Gomez, C. Ivey and D. Collins, AGU Fall Meeting 2021 (2021), New Orleans, LA, 13-17 December 2021, id. A125G-1729. [Harvard link](#)

#### Model 211 Scrubberless Ozone Monitor

95. Quantifying Wintertime O<sub>3</sub> and NO<sub>x</sub> Formation with Relevance Vector Machines, D.A. Olson, T.P. Riedel, J.H. Offenberg, M. Lewandowski, R. Long and T.E. Kleindienst, *Atmospheric Environment* (2021) **259**, 118538. [ScienceDirect](#)
96. The U.S. EPA Wildland Fire Sensor Challenge: Performance and Evaluation of Solver Submitted Multi-Pollutant Sensor Systems, M.S. Landis, R.W. Long, J. Krug, M. Colón, R. Vanderpool, A. Habel, and S.P. Urbanski, *Atmospheric Environment* (2021) **247**, 118165. [ScienceDirect](#) [211]

#### Model 405 nm NO<sub>2</sub>/NO/NO<sub>x</sub> Monitor

97. Confining Single-Atom Pd on g-C<sub>3</sub>N<sub>4</sub> with Carbon Vacancies Towards Enhanced Photocatalytic NO Conversion, G. Liu, Y. Huang, H. Lv, H. Wang, Y. Zeng, M. Yuan, Q. Meng and C. Wang, *Applied Catalysis B: Environmental* (2021) **284**, 119683. [ScienceDirect](#)
98. Lockdowns and Reduction of Economic Activities during the COVID-19 Pandemic Improved Air Quality in Alexandria, Egypt, M.M. El-Sheekh and I.A. Hassan, *Environmental Monitoring and Assessment* (2021) **193**, 11. [SpringerLink](#)
99. Influence of the NO/NO<sub>2</sub> Ratio on Oxidation Product Distributions under High-NO Conditions, K.J. Nihill, Q. Ye, F. Majluf, J.E. Krechmer, M.R. Canagaratna and J.H. Kroll, *Environmental Science & Technology* (2021) **55**, 6594-6601. [ACS Link](#)
100. The Improved Comparative Reactivity Method (ICRM): Measurements of OH Reactivity under High-NO<sub>x</sub> Conditions in Ambient Air, W. Wang, J. Qi, J. Zhou, B. Yuan, Y. Peng, S. Wang, S. Yang, J. Williams, V. Sinha and M. Shao, *Atmospheric Measurement Techniques* (2021) **14**, 2285-2298. [AMT Link](#)
101. Characterizing the Aging of Alphasense NO<sub>2</sub> Sensors in Long-Term Field Deployments, J. Li, A. Hauryliuk, C. Malings, S.R. Eilenberg, R. Subramanian and A.A. Presto, *ACS Sensors* (2021) **6**, 2952-2959. [ACS Link](#)

#### Model 410/401

102. Measurement Report: Nitrogen Isotopes (δ<sup>15</sup>N) and First Quantification of Oxygen Isotope Anomalies (Δ<sup>17</sup>O, δ<sup>18</sup>O) in Atmospheric Nitrogen Dioxide, S. Albertin, J. Savarino, S. Bekki, A. Barbero and N. Caillon, *Atmospheric Chemistry and Physics* (2021) **21**, 10477-10497. [ACP Link](#)
103. S-Nitrosoglutathione Reductase Activity Modulates the Thermotolerance of Seeds Germination by Controlling ABI5 Stability under High Temperature, W. Wei, Y. Hu, W. Yang, X. Li, J. Wei, X. Hu and P. Li, *Phyton* (2021) **90**, 5, 1075-1087. [ProQuest](#)

#### Model 306 Ozone Calibration Source

104. Evaluating the Effect of Ozone in UV Induced Skin Damage, F. Ferrara, E. Pambianchi, B. Woodby, N. Messano, J.-P. Therrien, A. Pecorelli, R. Canella and G. Valacchi, *Toxicology Letters* (2021) **338**, 40-50. [Science Direct](#)
105. Textile Ageing Due to Atmospheric Gases and Particles in Indoor Cultural Heritage, P. Uring, A. Chabas and S. Alfaro, *Environmental Science and Pollution Research* (2021), doi:10.1007/s11356-021-15274-7. [Springer Link](#)
106. Protective Effects of a Comprehensive Topical Antioxidant Against Ozone-Induced Damage in a Reconstructed Human Skin Model, A. Pecorelli, D.H. McDaniel, M. Wortzman and D.B. Nelson, *Archives of Dermatological Research* (2021) **313**, 139-146. [SpringerLink](#)
107. The Influence of Ozone on Net Ecosystem Production of a Ryegrass-Clover Mixture under Field Conditions, T. Agyei, S. Juráň, M.E. Jonášová, M. Fischer, M. Švik, K. Kominková, K.K. Ofori-Amanfo, M.V. Marek, J. Grace and O. Urban, *Atmosphere* (2021) **12**, 12, 10.3390/atmos12121629. [MDPI Link](#)

#### Model 714 NO<sub>2</sub>/NO/O<sub>3</sub> Calibration Source

108. A Portable, Low-Cost, Smartphone Assisted Methodology for On-Site Measurement of NO<sub>2</sub> Levels in Ambient Air by Selective Chemical Reactivity and Digital Image Analysis, M. Cerrato-Alvarez, S. Frutos-Puerto, P. Arroyo, C. Miró-Rodríguez and E. Pinilla-Gil, *Sensors and Actuators B: Chemical* (2021) **338**, 129867. [ScienceDirect](#)

109. Reducing the Influence of Environmental Factors on Performance of a Diffusion-Based Personal Exposure Kit, H. Zong, P. Brimblecombe, L. Sun, P. Wei, K.-F. Ho, Q. Zhang, J. Cai, H. Kan, M. Cha, W. Che, A. K.-H. Lau and Z. Ning, *Sensors* (2021) **21**, 14, 4637. [MDPI Link](#)
110. Electronic System for Citizens' Air Quality Mapping, S. Palomeque-Mangut, F. Meléndez, J. Gómez-Suárez, P. Arroyo, J.-I. Suárez, S. Frutos-Puerto and J. Lozano, *IEEE Sensors* (2021), proceedings of conference held 31 Oct-3 Nov 2021, pp. 1-4, doi: 10.1109/SENSOR47087.2021.9639578. [IEEE Link](#)
111. NO<sub>x</sub> and CO Fluctuations in a Busy Street Canyon, P. Brimblecombe, M.-Y. Chu, C.-H. Liu and Z. Ning, *Environments* (2021) **8**, 12, 137. [MDPI Link](#)

#### Personal Air Monitor

112. Winter and Spring Air Quality in Amager, DK with Focus on Spatial and Timely Distribution of Ultrafine Particles, M. del Pilar Contreras, Report for the Department of Environmental Engineering, Technical University of Denmark (2021), 79 pp. [2BTech link](#)

#### Multiple 2B Tech Instruments Used (models noted at end of citation)

113. Aerosol Number Concentrations and New Particle Formation Events over a Polluted Megacity during the COVID-19 Lockdown, S.K. Yadav, S.K. Kompalli, B.R. Gurjar and R.K. Mishra, *Atmospheric Environment* (2021) **259**, 118526. [Science Direct](#) [405+202]
114. Observation of N<sub>2</sub>O<sub>5</sub> Deposition and ClNO<sub>2</sub> Production on the Saline Snowpack, S.M. McNamara, Q. Chen, J. Edebeli, K.D. Kulju, J. Mumfield, J.D. Fuentes, S.B. Bertman and K.A. Pratt, *ACS Earth and Space Chemistry* (2021) **5**, 1020-1031. [ACS Link](#) [205+306]
115. Evaluating a Commercially Available In-Duct Bipolar Ionization Device for Pollutant Removal and Potential Byproduct Formation, Y. Zeng, P. Manwatkar, A. Laguerre, M. Beke, I. Kang, A.S. Ali, D.K. Farmer, E.T. Gall, M. Heidarinejad, and B. Stephens, *Building and Environment* (2021) **195**, 107750. [ScienceDirect](#) [211+405+106L]
116. Continuous Measurement of Reactive Oxygen Species Inside and Outside of a Residential House During Summer, A. Eftekhari, C.F. Fortenberry, B.J. Williams, M.J. Walker, A. Dang, A. Pfaff, N. Ercal and G.C. Morrison, *Indoor Air* (2021) **31**, 4, 1199-1216. [Wiley Link](#) [202+211]
117. Mass Spectrometry Imaging of Lipids with Isomer Resolution Using High-Pressure Ozone-Induced Dissociation, B.S.R. Claes, A.P. Bowman, B.L.J. Poed, R.S.E. Young, R.M.A. Heeren, S.J. Blanksby and S.R. Ellis, *Analytical Chemistry* (2021) **93**, 9826-9834. [ACS Link](#) [106L+106H]
118. Impact of Aerosol-Radiation Interaction on New Particle Formation, G. Zhao, Y. Zhu, Z. Wu, T. Zong, J. Chen, T. Tan, H. Wang, X. Fang, K. Lu, C. Zhao and M. Hu, *Atmospheric Chemistry and Physics* (2021) **21**, 9995-10004. [ACP Link](#) [106L+405]
119. Comparison of Ozone Measurement Methods in Biomass Burning Smoke: An Evaluation Under Field and Laboratory Conditions, R.W. Long, A. Whitehill, A. Habel, S. Urbanski, H. Halliday, M. Colón, S. Kaushik and M.S. Landis, *Atmospheric Measurement Techniques* (2021) **14**, 3, 1783-1800. [AMT Link](#) [Models 205, 211, 211G]
120. Using Transit Vehicles as Probes to Monitor Community Air Quality and Exposure, M.C. Chavez, E. Williams, R.L. Cheu and W.-W. Li, Final Report, Center for Transportation, Environment, and Community Health (CTECH), 30 June 2021, 77 pp. [Cornell Link](#) [202+405]
121. The Production and Hydrolysis of Organic Nitrates from OH Radical Oxidation of  $\beta$ -Ocimene, A.C. Morales, T. Jayarathne, J.H. Slade, A. Laskin and P.B. Shepson, *Atmospheric Chemistry and Physics* (2021) **21**, 129-145. [ACP Link](#) [Models 205+306]
122. A Laboratory Study Investigating Ozone Effects on Transpiration, Carbon Assimilation, and Photosynthesis by Perturbing Stomatal Diffusive Resistance, J. Bushey, M. Miles, L. Barry, M. Lerdau, X. Yang, G. Isaacman-Van Wertz and S. Pusede, AGU Fall Meeting 2021 (2021), New Orleans, LA, 13-17 December 2021, 10 pp. [2B Tech Link](#) [Models 202+205]
123. Evaluation of Physical and Chemical Parameters Effects on Different Ozone Monitoring Technologies, M. Ghasemi, Masters Thesis, Concordia University (2021), 111pp. [Concordia Univ. Link](#) [211+202+ POM+306]

#### Ozone or NO<sub>x</sub> Monitor (Model not specified in paper)

124. Spatiotemporal Correlation of Urban Pollutants by Long-Term Measurements on a Mobile Observation Platform, S. Crocchianti, S. Del Sarto, M.G. Ranalli, B. Moroni, S. Castellini, C. Petroselli and D. Cappelletti, *Environmental Pollution* (2021) **268**, 115645. [ScienceDirect](#)
125. Growth, Yield and Quality of Maize Under Ozone and Carbon Dioxide Interaction in North West India, A. Yadav, A. Bhatia, S. Yadav, A. Singh, R. Tomer, R. Harit, V. Kumar and B. Singh, *Aerosol and Air Quality Research* (2021) **21**, 2, 200194. [AAQR link](#)

126. Application of Chemical Derivatization Techniques Combined with Chemical Ionization Mass Spectrometry to Detect Stabilized Criegee Intermediates and Peroxy Radicals in the Gas Phase, A. Zaytsev, M. Breitenlechner, A. Novelli, H. Fuchs, D.A. Knopf, J.H. Kroll and F.N. Keutsch, *Atmospheric Measurement Techniques* (2021) **14**, 2501-2513. [AMT Link](#)
127. Effect of Elevated Ozone and Carbon Dioxide Interaction on Growth, Yield, Nutrient Content and Wilt Disease Severity in Chickpea Grown in Northern India, A. Bhatia, U. Mina, V. Kumar, R. Tomer, A. Kumar, B. Chakrabarti, R.N. Singh and B. Singh, *Heliyon* (2021) **7**, 1, e06049. [ScienceDirect](#) [ozone]
128. Interactive Effect of Elevated Tropospheric Ozone and Carbon Dioxide on Radiation Utilisation, Growth and Yield of Chickpea (*Cicer arietinum* L.), R.N. Singh, J. Mukherjee, V.K. Sehgal, P. Krishnan, D. Kumar Das, R. Kumar Dhakar and A. Bhatia, *International Journal of Biometeorology* (2021) **65**, 1939-1952. [SpringerLink](#) [ozone]
129. Effect of Ozonation Process on the Energy Metabolism in Raspberry Fruit During Storage at Room Temperature, T. Piechowiak, P. Sowa and M. Balawejder, *Food and Bioprocess Technology* (2021) **14**, 483-491. [SpringerLink](#) [ozone]
130. Emerging Investigator Series: Chemical and Physical Properties of Organic Mixtures on Indoor Surfaces During HOMEChem, R.E. O'Brien, Y. Li, K.J. Kiland, E.F. Katz, V.W. Or, E. Legaard, E.Q. Walhout, C. Thrasher, V.H. Grassian, P.F. DeCarlo, A.K. Bertram and M. Shiraiwa, *Environmental Science: Processes & Impacts* (2021) **23**, 559. [RSC Link](#) [ozone]
131. ACT-America Campaign Catalog, S. Pal and K. Davis, *ORNL Distributed Active Archive Center for Biogeochemical Dynamics* (2021), <https://doi.org/10.3334/ORNLDAAAC/1862> (database). [DAAC Link](#) [ozone]
132. Hydrogel-Incorporated Colorimetric Sensors with High Humidity Tolerance for Environmental Gases Sensing, J. Yu, F. Tsow, S.J. Mora, V.V. Tipparaju and X. Xian, *Sensors and Actuators B: Chemical* (2021) **345**, 130404. [ScienceDirect](#) [ozone]
133. Physical and Chemical Properties of a Magnetic-Assisted DC Superimposed Nanosecond-Pulsed Streamer Discharge Plasma, N. Jiang, X. Lu, B. Peng, J. Li, K. Shang, N. Lu and Y. Wu, *Journal of Physics D: Applied Physics* (2021) **54**, 245203. [IOP Science](#) [ozone]
134. Changes in the Activity of Flavanone 3 $\beta$ -hydroxylase in Blueberry Fruit during Storage in Ozone-Enriched Atmosphere, T. Piechowiak, B. Skora and P. Sowa, *Journal of the Science of Food and Agriculture* (2021), doi:10.1002/jsfa.11444. [WileyLink](#) [ozone]
135. Assembly of UV-Ozone Reactor to Combat Coronavirus and Other Pathogenic Microorganisms, E.R. Santos, J.A. Vendrami, A.C. Duarte, E.C.B. Júnior, R.K. Onmori and W.S. Hui, *Revista Brasileira de Aplicações de Vácuo* (2021) **40**, 1, e1521. [RVAB Link](#) [ozone]
136. Synergistic Effects of a Combination of Vacuum Ultraviolet-Induced Oxidation and Wet Absorption Process on Removal of Nitric Oxide at Room Temperature, Y. Gan, J.Ji, K. Li, W. Dai, L. Ye, M. He, D. Xia, Z. Xie, S. Luo, Y. Cao, W. Liang and H. Huang, *Journal of Environmental Engineering* (2021) **147**, 10, 04021040. [ASCE Link](#) [ozone 106]
137. Selective ppb-Level Ozone Gas Sensor Based on Hierarchical Branch-Like In<sub>2</sub>O<sub>3</sub> Nanostructure, N. Sui, P. Zhang, T. Zhou and T. Zhang, *Sensors and Actuators B: Chemical* (2021) **336**, 129612. [ScienceDirect](#) [ozone]
138. Unravelling a Black Box: An Open-Source Methodology for the Field Calibration of Small Air Quality Sensors, S. Schmitz, S. Towers, G. Villena, A. Caseiro, R. Wegener, D. Klemp, I. Langer, F. Meier and E. von Schneidemesser, *Atmospheric Measurement Techniques* (2021) **14**, 7221-7241. [AMT Link](#) [ozone]
139. Insight into the Improvement of the SO<sub>2</sub> Resistance in Low-Temperature Ozone Assisted SCR over CeO<sub>2</sub>-WO<sub>3</sub> Catalyst, Z. Liu, M. Liu, N. Jiang, B. Peng, J. Li and Y. Wu, *International Journal of Plasma Environmental Science and Technology* (2021) **15**, e02014. [IJPEST Link](#) [ozone]
140. Effect of Elevated Ozone and Carbon Dioxide on Growth and Yield of Rice (*Oryza sativa*), R. Kumar, A. Bhatia, B. Chakrabarti, V. Kumar, R. Tomer, D.K. Sharma, and S.N. Kumar, *Indian Journal of Agricultural Sciences* (2021) **91**, 11, 1607-11. [ResearchGate](#) [ozone]

## 2020 (sorted by model number of the 2B Tech instrument used)

### Model 106L Ozone Monitor

1. Mechanism of Atmospheric Organic Amines Reacted with Ozone and Implications for the Formation of Secondary Organic Aerosols, D. Tong, J. Chen, D. Qin, Y. Ji, G. Li, and T. An, *Science of The Total Environment* (2020) **737**, 139830. [ScienceDirect](#)

2. Simultaneous Removal of Multiple Indoor-Air Pollutants Using a Combined Process of Electrostatic Precipitation and Catalytic Decomposition, Y. Zeng, R. Xie, J. Cao, Z. Chen, Q. Fan, B. Liu, X. Lian and H. Huang, *Chemical Engineering Journal* (2020) **388**, 124219. [ScienceDirect](#)
3. Design and Development of a Flexible, Plug-and-Play, Cost-Effective Tool for On-Field Evaluation of Gas Sensors, D. Suriano, G. Cassano and M. Penza, *Journal of Sensors* (2020) **2020**, 8812025. [HindawiLink](#)
4. Laboratory Insights into the Diel Cycle of Optical and Chemical Transformations of Biomass Burning Brown Carbon Aerosols, C. Li, Q. He, Z. Fang, S.S. Brown, A. Laskin, S.R. Cohen and Y. Rudich, *Environmental Science & Technology* (2020) **54**, 11827-11837. [ACS Link](#)
5. Activated Carbon Supported MnO Nanoparticles for Efficient Ozone Decomposition at Room Temperature, Y. Yu, J. Ji, K. Li, H. Huang, R.P. Shrestha, N.T.K. Oanh, E. Winijkul, and J. Deng, *Catalysis Today* (2020) **355**, 573-579. [Science Direct](#)
6. Investigation of Promotion Effect of Cu Doped MnO<sub>2</sub> Catalysts on Ketone-Type VOCs Degradation in a One-Stage Plasma-Catalysis System, X. Zeng, B. Li, R. Liu, X. Li and T. Zhu, *Chemical Engineering Journal* (2020) **384**, 123362. [Science Direct](#)
7. Analysis of Chemical By-products from Partial Discharges in Air, D. El Khoury, F. Gentiis, O. Lesaint and N. Bonifaci, *2020 IEEE Conference on Electrical Insulation and Dielectric Phenomena (CEIDP)* (2020) pp. 275-278, doi: 10.1109/CEIDP49254.2020.9437483. [IEEE Link](#)

#### Model 106-M Ozone Monitor

8. Determination of Optimum Operational Conditions for the Removal of 2-MIB from Drinking Water by Peroxone Process: A Pilot Scale Study, M. Fakioglu, H. Gulhan, G. Ozgun, M.E. Ersahin and I. Ozturk, *Water Supply* (2020) **20**, 6, 2339-2347. [IWAP Link](#)
9. Mechanism Study on TiO<sub>2</sub> Inducing ·O<sub>2</sub><sup>-</sup> and OH Radicals in O<sub>3</sub>/H<sub>2</sub>O<sub>2</sub> System for High-Efficiency NO Oxidation, F. Meng, L. Guo, H. Zou, B. Zhu, F. Zhou, Y. Zen, J. Han, J. Yang, S. Zhang and Q. Zhong, *Journal of Hazardous Materials* (2020) **399**, 123033. [ScienceDirect](#)
10. Ozone Treatment Induces Changes in Antioxidative Defense System in Blueberry Fruit during Storage, T. Piechowiak, B. Skóra and M. Balawejder, *Food and Bioprocess Technology* (2020) **13**, 1240-1245. [SpringerLink](#)
11. Using Excess O<sub>3</sub> to Facilitate the NO<sub>2</sub> Absorption in a Sulfite Solution: Process Conditions and Mechanism, Z. Lian, L. Guo, S. Zhang, Y. Xiong, F. Meng, Y. Zeng and Q. Zhong, *Fuel Processing Technology* (2020) **206**, 106457. [ScienceDirect](#)
12. Gram-Scale Synthesis of Ultra-Fine Cu<sub>2</sub>O for Highly Efficient Ozone Decomposition, S. Gong, A. Wang, J. Zhang, J. Guan, N. Han and Y. Chen, *Royal Society of Chemistry Advances* (2020) **10**, 5212-5219. [RSC Link](#)
13. High Energy Efficient Degradation of Toluene Using a Novel Double Dielectric Barrier Discharge Reactor, S. Li, X. Dang, X. Yu, R. Yu, G. Abbasd and Q. Zhang, *Journal of Hazardous Materials* (2020) **400**, 123259. [ScienceDirect](#)
14. Abatement of Toluene by Reverse-Flow Nonthermal Plasma Reactor Coupled with Catalyst, W. Liang, H. Sun, X. Shi and Y. Zhu, *Catalysts* (2020) **10**, 5, 511. [MDPI Link](#)
15. Effect of Different Nitric Acid Concentrations on Manganese/Activated Carbon-Modified Catalysts for the Catalytic Ozonation of Toluene, P.-L. Xu, T. Wei, H.-Y. Yue, Y.-C. Wen, Y. Wei, T.-J. Guo, S.-J. Li, W. Li and X.-Q. Wang, *Catalysis Science & Technology* (2020) **10**, 6729-6737. [RSC Link](#)
16. Technical Note: Effect of Varying the  $\lambda = 185$  and 254 nm Photon Flux Ratio on Radical Generation in Oxidation Flow Reactors, J.P. Rowe, A.T. Lambe and W.H. Brune, *Atmospheric Chemistry and Physics* (2020) **20**, 13417-13424. [ACP Link](#)
17. Oxygenated Products Formed from OH-Initiated Reactions of Trimethylbenzene: Autoxidation and Accretion, Y. Wang, A. Mehra, J.E. Krechmer, G. Yang, X. Hu, Y. Lu, A. Lambe, M. Canagaratna, J. Chen, D. Worsnop, H. Coe and L. Wang, *Atmospheric Chemistry and Physics* (2020) **20**, 9563-9579. [ACP Link](#)
18. Controlled Synthesis of Carbon Nitride-TiO<sub>2</sub> Nanocomposites for Prompt Photocatalytic Degradation of Individual and Mixed Organic Dyes at Room Temperature, A.M. Abdullah, S. Al-Kandari, A.M. Mohamed and H. Al-Kandari, *Emergent Materials* (2020) **3**, 955-963. [SpringerLink](#)
19. Simultaneous Removal of Gaseous NO<sub>x</sub> and SO<sub>2</sub> by Gas-Phase Oxidation with Ozone and Wet Scrubbing with Sodium Hydroxide, M.S. Kang, J. Shin, T.U. Yu and J. Hwang, *Chemical Engineering Journal* (2020) **381**, 122601. [ScienceDirect](#)
20. Oxidation of Adsorbed Ethyl Acetate by Dielectric Barrier Discharge Coupled with Bi-support Catalysts, Q. Yang, C.H. Qin, J.Y. Huang, W. Bai, Y. Zheng and M. Guo, *Acta Scientiae Circumstantiae* (2020) **40**, (5), 1650-1655. [Link](#)

21. Inactivation of *Salmonella* Typhimurium by Non-Thermal Plasma Bubbles: Exploring the Key Reactive Species and the Influence of Organic Matter, K.H. Baek, Y.S. Heo, J.Y. Park, T. Kang, Y.E. Lee, J. Lim, S.B. Kim and C. Jo, *Foods* (2020) **9**, 1689. [MDPI Link](#)
22. A One-Pot Synthesis of a Monolithic Cu<sub>2</sub>O/Cu Catalyst for Efficient Ozone Decomposition, M.G. Rahimi, A. Wang, G. Ma, N. Han and Y. Chen, *Royal Society of Chemistry Advances* (2020) **10**, 40916-40922. [RSC Link](#)
23. Physiological and Biochemical Properties of Potato (*Solanum tuberosum* L.) in Response to Ozone-Induced Oxidative Stress, E. Szpunar-Krok, M. Jańczyk-Pieniążek, D. Migut, K. Skrobacz, T. Piechowiak, R. Pawlak and M. Balawejder, *Agronomy* (2020) **10**, 1745. [MDPI Link](#)
24. Remarkable Promotion Effect of Lauric Acid on MN-MIL-100 for Non-Thermal Plasma-Catalytic Decomposition of Toluene, H. Huang, C. Chen, R. Yang, Y. Yu, R. Albilal and C. He, *Applied Surface Science* (2020) **503**, 144290. [Science Direct](#)
25. Plasma-Assisted Advanced Oxidation Process by a Multi-Hole Dielectric Barrier Discharge in Water and Its Application to Wastewater Treatment, S. Ma, K. Kim, S. Chun, S.Y. Moon and Y. Hong, *Chemosphere* (2020) **243**, 125377. [Science Direct](#)
26. Combining Mass Spectrometry of Picoliter Samples with a Multicompartment Electrodynamic Trap for Probing the Chemistry of Droplet Arrays, M.D. Willis, G. Rovelli and K.R. Wilson, *Analytical Chemistry* (2020) **92**, 11943-11952. [ACS Link](#)
27. Comparison of Single and Double Dielectric Barrier Discharge Non-Thermal Plasma for Toluene Removal, X. Yu, X. Dang, S. Li, Z. Huang, H. Guo and J. Zhang, *Chinese Journal of Environmental Engineering* (2020) **14**, 4, 1033-1041. [CJEE Link](#)
28. A Comparison of in- and post-Plasma Catalysis for Toluene Abatement Through Continuous and Sequential Processes in Dielectric Barrier Discharge Reactors, X. Yu, X. Dang, S. Li, J. Zhang, Q. Zhang, and L. Cao, *Journal of Cleaner Production* (2020) **276**, 124251. [Science Direct](#) [106M]
29. Defect Engineering of ZnO for Electron Transfer in O<sub>3</sub> Catalytic Decomposition, A. Wang, L. Zhang, M. Gh. Rahimi, S. Gong, L. Nie, N. Han, and Y. Chen, *Applied Catalysis B: Environmental* (2020) **277**, 119223. [Science Direct](#) [106M]

#### Model 106-MH or Model 106-H Ozone Monitors

30. Gas Phase Reactions of Iodide and Bromide Anions with Ozone: Evidence for Stepwise and Reversible Reactions, M. Bhujel, D.L. Marshall, A.T. Maccarone, B.I. McKinnon, A.J. Trevitt, G. da Silva, S.J. Blanksby and B.L.J. Poad, *Physical Chemistry Chemical Physics* (2020) **22**, 9982. [RSC Link](#)
31. Three-Dimensional Hollow Urchin  $\alpha$ -MnO<sub>2</sub> for Enhanced Catalytic Activity Towards Toluene Decomposition in Post-Plasma Catalysis, S. Yang, H. Yang, J. Yang, H. Qi, J. Kong, Z. Bo, X. Li, J. Yan, K. Cen and X. Tu, *Chemical Engineering Journal* (2020) **402**, 126154. [ScienceDirect](#)
32. Solar-Enhanced Plasma-Catalytic Oxidation of Toluene over a Bifunctional Graphene Fin Foam Decorated with Nanofin-like MnO<sub>2</sub>, Z. Bo, S. Yang, J. Kong, J. Zhu, Y. Wang, H. Yang, X. Li, J. Yan, K. Cen and X. Tu, *ACS Catalysis* (2020) **10**, 4420-4432. [ACS Link](#)
33. Assessment of Gaseous Ozone Treatment on *Salmonella* Typhimurium and *Escherichia coli* O157:H7 Reductions in Poultry Litter, R. Chang, P. Pandey, Y. Li, C. Venkatasamy, Z. Chen, R. Gallardo, B. Weimer, M. Jay-Russell and B. Weimer, *Waste Management* (2020) **117**, 42-47. [ScienceDirect](#)
34. Ozone Modification of Arracacha Starch: Effect on Structure and Functional Properties, D.C. Lima, J. Villar, N. Castanha, B.C. Maniglia, M.D.M. Junior and P.E.D. Augusto, *Food Hydrocolloids* (2020) **108**, 106066. [ScienceDirect](#)
35. Propagation of Tribraichal Flames with Ozone in a Laminar Non-Premixed Jet, T.-F. Tsai and Y.-H. Liao, *Experimental Thermal and Fluid Science* (2020) **113**, 110021. [Science Direct](#)
36. Advanced Oxidation Process for the Inactivation of *Salmonella* typhimurium on Tomatoes by Combination of Gaseous Ozone and Aerosolized Hydrogen Peroxide, X. Fan, K.J.B. Sokorai and J.B. Gurtler, *International Journal of Food Microbiology* (2020) **312**, 108387. [Science Direct](#)

#### Model 202 Ozone Monitor

37. Flux-Based Ozone Risk Assessment for a Plant Injury Index (PII) in Three European Cool-Temperate Deciduous Tree Species, Y. Hoshika, E. Carrari, B. Mariotti, S. Martini, A. De Marco, P. Sicard and E. Paoletti, *Forests* (2020) **11** (1), 82. [MDPI link](#)
38. Performance Evaluation of Fan and Comb Shaped Plasma Reactors for Distribution of Generated Ozone in a Confined Space, B. Choudhury, S. Portugal, J. Johnson and S. Roy, AIAA SciTech Forum (2020), American Institute of Aeronautics and Astronautics, Inc., 6-10 January 2020, Orlando, Florida. [AIAA Link](#)

39. Characterization of Carbonaceous Aerosols in Singapore: Insight from Black Carbon Fragments and Trace Metal Ions Detected by a Soot Particle Aerosol Mass Spectrometer, L.-H. Rivellini, M.G. Adam, N. Kasthuriarachchi and A.K.Y. Lee, *Atmospheric Chemistry and Physics* (2020) **20**, 5977-5993. [ACP Link](#)
40. Atmospheric Chemistry of Volatile Methyl Siloxanes: Kinetics and Products of Oxidation by OH Radicals and Cl Atoms, M.W. Alton and E.C. Browne, *Environmental Science & Technology* (2020) **54**, 10, 5992-5999. [ACS Link](#)
41. Cell Viability and Measurement of Reactive Species in Gas- and Liquid-Phase Exposed by a Microwave-Excited Atmospheric Pressure Argon Plasma Jet, A. Jo, H.M. Joh, J.W. Chung and T.H. Chung, *Current Applied Physics* (2020) **20**, 562-571. [ScienceDirect](#)
42. Manganese-Based Layered Double Hydroxide Nanoparticles as Highly Efficient Ozone Decomposition Catalysts with Tunable Valence State, S. Wang, Y. Zhu, Y. Zhang, B. Wang, H. Yan, W. Liu and Y. Lin, *Nanoscale* (2020) **12**, 12817. [RSC Link](#)
43. Does Ozone Alter the Attractiveness of Japanese White Birch Leaves to the Leaf Beetle *Agelastica coerulea* via Changes in Biogenic Volatile Organic Compounds (BVOCs): An Examination with the Y-Tube Test, N. Masui, T. Mochizuki, A. Tani, H. Matsuura, E. Agathokleous, T. Watanabe and T. Koike, *Forests* (2020) **11**, 58. [MDPI Link](#)
44. Interactive Effect of Leaf Age and Ozone on Mesophyll Conductance in Siebold's Beech, Y. Hoshika, M. Haworth, M. Watanabe and T. Koike, *Physiologia Plantarum* (2020) **170**, 2, 172-186. [Wiley Link](#)
45. A Fan-Shaped Plasma Reactor for Mixing Enhancement in a Closed Chamber, S. Portugal, B. Choudhury, A. Lilley, C. Charters, C. Porrello, J. Lin and S. Roy, *Journal of Physics D: Applied Physics* (2020) **53**, 22. [IOPScienceLink](#)
46. Net Ozone Production and Its Relationship to Nitrogen Oxides and Volatile Organic Compounds in the Marine Boundary Layer Around the Arabian Peninsula, I. Tadic, J.N. Crowley, D. Dienhart, P. Eger, H. Harder, B. Hottmann, M. Martinez, U. Parchatka, J.-D. Paris, A. Pozzer, R. Rohloff, J. Schuladen, J. Shenolikar, S. Tauer, J. Lelieveld and H. Fischer, *Atmospheric Chemistry and Physics* (2020) **20**, 6769-6787. [ACP Link](#)
47. Influence of Vessel Characteristics and Atmospheric Processes on the Gas and Particle Phase of Ship Emission Plumes: in situ Measurements in the Mediterranean Sea and Around the Arabian Peninsula, S. Celik, F. Drewnick, F. Fachinger, J. Brooks, E. Darbyshire, H. Coe, J.-D. Paris, P.G. Eger, J. Schuladen, I. Tadic, N. Friedrich, D. Dienhart, B. Hottmann, H. Fischer, J.N. Crowley, H. Harder and S. Borrmann, *Atmospheric Chemistry and Physics* (2020) **20**, 4713-4734. [ACP Link](#)
48. Volatile Organic Compounds and Ozone at Four National Parks in the Southwestern United States, K.B. Benedict, A.J. Prenni, M.M.H. El-Sayed, A. Hecobian, Y. Zhou, K.A. Gebhart, B.C. Sive, B.A. Schichtel and J.L. Collett Jr., *Atmospheric Environment* (2020) **239**, 117783. [ScienceDirect](#)
49. Assessment of Air Pollution in the Industrial Area of the Maracanaú District in Ceará State, Brazil, J.R. Lima, B.C.B. Salgado, F.S.A. Cavalcante, M.L.M. Oliveira and R.S. Araújo, *Engenharia Sanitaria e Ambiental* (2020) **25**, 3, doi: 10.1590/s1413-41522020175292. [ScieloLink](#)
50. Evidence that Criegee Intermediates Drive Autooxidation in Unsaturated Lipids, M. Zeng, N. Heine and K.R. Wilson, *Proceedings of the National Academy of Sciences* (2020) **117**, 9, 4486-4490. [PNAS Link](#)
51. Isotopic and Water Relation Responses to Ozone and Water Stress in Seedlings of Three Oak Species with Different Adaptation Strategies, C. Cocozza, E. Paoletti, T. Mrak, S. Zavadlav, T. Levanic, H. Kraigher, A. Giovannelli and Y. Hoshika, *Forests* (2020) **11**, 864, doi:10.3390/f11080864. [MDPI Link](#)
52. Evaluating Cropland N<sub>2</sub>O Emissions and Fertilizer Plant Greenhouse Gas Emissions with Airborne Observations, A. Gvakharia, E.A. Kort, M.L. Smith and S. Conley, *Journal of Geophysical Research-Atmospheres* (2020) **125**, 16, e2020JD032815. [AGU Link](#)
53. OH and HO<sub>2</sub> Radical Chemistry in a Midlatitude Forest: Measurements and Model Comparisons, M.M. Lew, P.S. Rickly, B.P. Bottorff, E. Reidy, S. Sklaveniti, T. Léonardis, N. Locoge, S. Dusanter, S. Kundu, E. Wood and P.S. Stevens, *Atmospheric Chemistry and Physics* (2020) **20**, 9209-9230. [ACP Link](#)
54. Biomass-Burning-Derived Particles from a Wide Variety of Fuels – Part 2: Effects of Photochemical Aging on Particle Optical and Chemical Properties, C.D. Cappa, C.Y. Lim, D.H. Hagan, M. Coggon, A. Koss, K. Sekimoto, J. de Gouw, T.B. Onasch, C. Warneke and J.H. Kroll, *Atmospheric Chemistry and Physics* (2020) **20**, 8511-8532. [ACP Link](#)
55. Glass Surface Evolution Following Gas Adsorption and Particle Deposition from Indoor Cooking Events as Probed by Microspectroscopic Analysis, V.W. Or, M. Wade, S. Patel, M.R. Alves, D. Kim, S. Schwab, H. Przelomski, R. O'Brien, D. Rim, R.L. Corsi, M.E. Vance, D.K. Farmer and V.H. Grassian, *Environmental Science: Processes and Impacts* (2020) **22**, 1698. [RSC Link](#)

56. Measurements of Carbonyl Compounds Around the Arabian Peninsula: Overview and Model Comparison, N. Wang, A. Edtbauer, C. Stonner, A. Pozzer, E. Bourtsoukidis, L. Ernie, D. Dienhart, B. Hottmann, H. Fischer, J. Schuladen, J.N. Crowley, J.-D. Paris, J. Lelieveld and J. Williams, *Atmospheric Chemistry and Physics* (2020) **20**, 10807-10829. [ACP Link](#)
57. Air Quality Assessment in the São Gonçalo do Amarante City Under the Influence of Pecém/Ceará Industrial Complex, A.C.F. Júnior, L.A. Matos, L. do N. Lopes, R.S.B. do Nascimento, J.R. de Lima, J. Koch and R. dos Santos Araújo, *Brazilian Journal of Development* (2020) **6**, 8, 63618-63631, doi:10.34117/bjdv6n8-698. [BJD Link](#)
58. Pyruvic Acid in the Boreal Forest: First Measurements and Impact on Radical Chemistry, P.G. Eger, J. Schuladen, N. Sobanski, H. Fischer, E. Karu, J. Williams, M. Riva, Q. Zha, M. Ehn, L.L.J. Quelever, S. Schallhart, J. Lelieveld and J.N. Crowley, *Atmospheric Chemistry and Physics* (2020) **20**, 6, 3697-3711. [ACP Link](#)
59. Inorganic Sulfur Species Formed upon Heterogeneous OH Oxidation of Organosulfates: A Case Study of Methyl Sulfate, R. Xu, Y. Ge, K.C. Kwong, H.Y. Poon, K.R. Wilson, J.Z. Yu and M.N. Chan, *ACS Earth and Space Chemistry* (2020) **4**, 2041-2049. [ACS Link](#)
60. Leaf Defense Capacity of Japanese Elm (*Ulmus davidiana* var. *japonica*) Seedlings Subjected to a Nitrogen Loading and Insect Herbivore Dynamics in a Free Air Ozone-Enriched Environment, T. Sugai, S. Okamoto, E. Agathokleous, N. Masui, F. Satoh and T. Koike, *Environmental Science and Pollution Research* (2020) **27**, 3350-3360, doi:10.1007/s11356-019-06918-w. [SpringerLink](#)
61. Novel CeMn<sub>2</sub>O<sub>7</sub> Catalyst for Highly Efficient Catalytic Decomposition of Ozone, J. Ma, X. Li, C. Zhang, Q. Ma and H. He, *Applied Catalysis B: Environmental* (2020) **264**, 118498. [Science Direct](#)
62. Enhancing Oxygen Vacancies of Ce-OMS-2 via Optimized Hydrothermal Conditions to Improve Catalytic Ozone Decomposition, L. Yang, J. Ma, X. Li, C. Zhang and H. He, *Industrial & Engineering Chemistry Research* (2020) **59**, 1, 118-128, doi:10.1021/acs.iecr.9b05967. [ACS Link](#)
63. Detrimental Role of Residual Surface Acid Ions on Ozone Decomposition over Ce-Modified  $\gamma$ -MnO<sub>2</sub> under Humid Condition, X. Li, J. Ma, C. Zhang, R. Zhang and H. He, *Journal of Environmental Sciences* (2020) **91**, 43-53. [Science Direct](#)
64. Indoor Ozone and Particulate Matter Modify the Association between Airborne Endotoxin and Schoolchildren's Lung Function, Y.-C. Yen, C.-Y. Yang, C.-K. Ho, P.-C. Yen, Y.-T. Cheng, K.D. Mena, T.-C. Lee and P.-S. Chen, *Science of the Total Environment* (2020) **705**, 135810. [Science Direct](#)
65. Measurement of NO<sub>x</sub> and NO<sub>y</sub> with a Thermal Dissociation Cavity Ring-Down Spectrometer (TD-CRDS): Instrument Characterisation and First Deployment, N. Friedrich, I. Tadic, J. Schuladen, J. Brooks, E. Darbyshire, F. Drewnick, H. Fischer, J. Lelieveld and J.N. Crowley, *Atmospheric Measurement Techniques* (2020) **13**, 5739-5761. [AMT Link](#)

#### Model 205 Ozone Monitor

66. Ozone Pollution in the West China Rain Zone and Its Adjacent Regions, Southwestern China: Concentrations, Ecological Risk, and Sources, Y. Cao, X. Qiao, P.K. Hopke, Q. Ying, Y. Zhang, Y. Zeng, Y. Yuan and Y. Tang, *Chemosphere* (2020) **256**, 127008. [ScienceDirect](#)
67. Arctic Reactive Bromine Events Occur in Two Distinct Sets of Environmental Conditions: A Statistical Analysis of 6 Years of Observations, W.F. Swanson, K.A. Graham, J.W. Halfacre, C.D. Holmes, P.B. Shepson and W.R. Simpson, *Journal of Geophysical Research-Atmospheres* (2020) **125**, 10, e2019JD032139. [AGU Link](#)
68. Comparison of Ozone Fluxes over a Maize Field Measured with Gradient Methods and the Eddy Covariance Technique, Z. Zhu, X. Tang and F. Zhao, *Advances in Atmospheric Sciences* (2020) **37**, 586-596. [SpringerLink](#)
69. Ozone Exchange within and above an Irrigated Californian Orchard, J.S. Brown, M.M. Shapkalijevski, M.C. Kroll, T. Karl, H.G. Ouwersloot, A.F. Moene, E.G. Patton and J. Vilà-Guerau de Arellano, *Tellus B: Chemical and Physical Meteorology* (2020) **72**, 1, 1-17. [Taylor&FrancisLink](#)
70. The Indoor Chemical Human Emissions and Reactivity (ICHEAR) Project: Overview of Experimental Methodology and Preliminary Results, G. Bekö, P. Wargocki, N. Wang, M. Li, C.J. Weschler, G. Morrison, S. Langer, L. Ernle, D. Licina, S. Yang, N. Zannoni and J. Williams, *Indoor Air* (2020) **30**, 6, doi:10.1111/ina.12687. [Wiley Link](#)
71. The Effect of an Upwind Non-Attainment Area on Ozone in California's Sierra Nevada Mountains, E.L. Yates, L.T. Iraci, L.W. Tarnay, J.D. Burley, C. Parworth and J.-M. Ryoo, *Atmospheric Environment* (2020) **230**, 117426. [ScienceDirect](#)
72. Measurement of Ozone Deposition Velocity onto Human Surfaces of Chinese Residents and Estimation of Corresponding Production of Oxidation Products, M. Yao, L. Ke, Y. Liu, Z. Luo and B. Zhao, *Environmental Pollution* (2020) **266**, 3, 115215. [ScienceDirect](#)

73. Urban Spatial Monitoring of Pollutants using Light Rail-based Sensor Systems, A.A. Jacques, D.L. Mendoza, E.T. Crosman, L.E. Mitchell, B. Fasoli, J.C. Lin and J.D. Horel, AMS 100<sup>th</sup> Annual Meeting (2020), 15<sup>th</sup> Symposium on the Urban Environment, 14 January 2020. [Univ. Utah Link](#)
74. Urban Snowpack ClNO<sub>2</sub> Production and Fate: A One-Dimensional Modeling Study, S. Wang, S.M. McNamara, K.R. Kolesar, N.W. May, J.D. Fuentes, R.D. Cook, M.J. Gunsch, C.N. Mattson, R.S. Hornbrook, E.C. Apel and K.A. Pratt, *ACS Earth and Space Chemistry* (2020) **4**, 1140-1148. [ACS Link](#)
75. Global Bromine- and Iodine-Mediated Tropospheric Ozone Loss Estimated Using the CHASER Chemical Transport Model, T. Sekiya, Y. Kanaya, K. Sudo, F. Taketani, Y. Iwamoto, M.N. Aita, A. Yamamoto and K. Kawamoto, *Scientific Online Letters on the Atmosphere* (2020) **16**, 220-227, doi:10.2151/sola.2020-037. [J-StageLink](#)
76. Investigation of Isoprene Dynamics During the Day-to-Night Transition Period, D. Wei, H.D. Alwe, D.B. Millet, S.C. Kavassalis, M. Lew, B. Bottorff, P.S. Stevens and A.L. Steiner, *Journal of Geophysical Research-Atmospheres* (2020) **125**, 20, e2020JD032784. [WileyLink](#)
77. Human Emissions of Size-Resolved Fluorescent Aerosol Particles: Influence of Personal and Environmental Factors, S. Yang, G. Beko, P. Wargocki, J. Williams and D. Licina, *Environmental Science & Technology* (2020) **55**, 1, 509-518. [ACS Link](#)
78. Airborne Survey of Trace Gases and Aerosols over the Southern Baltic Sea: From Clean Marine Boundary Layer to Shipping Corridor Effect, M. Zanatta, H. Bozem, F. Köllner, J. Schneider, D. Kunkel, P. Hoor, J. de Faria, A. Petzold, U. Bundke, K. Hayden, R.M. Staebler, H. Schulz and A.B. Herber, *Tellus B: Physical and Chemical Meteorology* (2020) **72**, 1, 1-24. [Taylor & Francis Link](#)
79. Top-Down Constraints on Methane Point Source Emissions from Animal Agriculture and Waste Based on New Airborne Measurements in the U.S. Upper Midwest, X. Yu, D.B. Millet, K.C. Wells, T.J. Griffis, X. Chen, J.M. Baker, S.A. Conley, M.L. Smith, A. Gvakharia, E.A. Kort, G. Plant and J.D. Wood, *Journal of Geophysical Research Biogeosciences* (2020) **125**, 1, e2019JG005429. [AGU Link](#)
80. Ozone Concentration Measured during the Arctic Ocean 2018 Expedition, A. Baccharini, J. Schmale and J. Dommen, *Bolin Centre Database* (2020), Dataset version 1.0, doi 10.17043/ao2018-aerosol-ozone. [EPFL Link](#)
81. Year-Round Record of Near-Surface Ozone and O<sub>3</sub> Enhancement Events (OEEs) at Dome A, East Antarctica, M. Ding, B. Tian, M.C.B. Ashley, D. Putero, Z. Zhu, L. Wang, S. Yang, C. Li and C. Xiao, *Earth System Science Data* (2020) **12**, 3529-3544. [ESSD Link](#)

#### Personal Ozone Monitor (POM)

82. An Optimized Multicopter UAV Sounding Technique (MUST) for Probing Comprehensive Atmospheric Variables, C.-C. Chang, C.-U. Chang, J.-L. Wang, X.-X. Pan, Y.-C. Chen and Y.-J. Ho, *Chemosphere* (2020) **254**, 126867. [ScienceDirect](#)
83. Vertically Decreased VOC Concentration and Reactivity in the Planetary Boundary Layer in Winter over the North China Plain, S. Wu, G. Tang, Yi. Wang, Y. Yang, D. Tao, W. Zhao, W. Gao, J. Sun and Yu. Wang, *Atmospheric Research* (2020) **240**, 104930. [ScienceDirect](#)
84. Development of Methodologies for the Use and Application of Air Quality Sensors to Enable Community Air Monitoring, B.J. Feenstra, Ph.D. Thesis (2020), University of California Riverside, 185 pp. [eScholarship](#)
85. Significant Emissions of Dimethyl Sulfide and Monoterpenes by Big Leaf Mahogany Trees: Discovery of a Missing Dimethyl Sulfide Source to the Atmospheric Environment, L. Vettikkat, V. Sinha, S. Datta, A. Kumar, H. Hakkim, P. Yadav and B. Sinha, *Atmospheric Chemistry and Physics* (2020) **20**, 1, 375-389. [ACP link](#)
86. Simultaneous Detection of Ozone and Nitrogen Dioxide by Oxygen Anion Chemical Ionization Mass Spectrometry: A Fast Time Response Sensor Suitable for Eddy Covariance Measurements, G.A. Novak, M.P. Vermeuel and T.H. Bertram, *Atmospheric Measurement Techniques* (2020) **13**, 1887-1907. [AMT Link](#)
87. Development of a Network of Accurate Ozone Sensing Nodes for Parallel Monitoring in a Site Relocation Study, B. Feenstra, V. Papapostolou, B.D. Boghossian, D. Cocker and A. Polidori, *Sensors* (2020) **20**, 1, 16. [MDPI Link](#)
88. Multi-Source Machine Learning for AQI Estimation, D.Q. Duong, Q.M. Le, T.-L. Nguyen-Tai, D. Bo, D. Nguyen, M.-S. Dao and B.T. Nguyen, *2020 IEEE International Conference on Big Data (Big Data)* (2020), pp. 4567-4576, doi: 10.1109/BigData50022.2020.9378322. [IEEE Link](#)
89. Quantification of Sources of Variability of Air Pollutant Exposure Concentrations among Selected Transportation Microenvironments, H.C. Frey, D. Gadre, S. Singh and P. Kumar, *Transportation Record* (2020) **2674**, 9, 395-411. [SagePubs](#)

Model 211 Scrubberless Ozone Monitor

90. Global-Scale Distribution of Ozone in the Remote Troposphere from ATom and HIPPO Airborne Field Missions, I. Bourgeois, J. Peischl, C.R. Thompson, K.C. Aikin, T. Campos, H. Clark, R. Commane, B. Daube, G.W. Diskin, J.W. Elkins, R.-S. Gao, A. Gaudel, E.J. Hints, B.J. Johnson, R. Kivi, K. McKain, F.L. Moore, D.D. Parrish, R. Querel, E. Ray, R. Sánchez, C. Sweeney, D.W. Tarasick, A.M. Thompson, V. Thouret, J.C. Witte, S.C. Wofsy and T.B. Ryerson, *Atmospheric Chemistry and Physics* (2020) **20**, 10611-10635. [ACP link](#)

Model 405 nm NO<sub>2</sub>/NO/NO<sub>x</sub> Monitor

91. Data Driven Concept for Sensor Data Adaptation of Electrochemical Sensors for Mobile Air Quality Measurements, E. Esatbeyoglu, O. Cassebaum, F. Arras and G. Saake, *Journal of The Electrochemical Society* (2020) **167** 4, 047518. [JOP Science link](#)
92. Optical and Chemical Analysis of Absorption Enhancement by Mixed Carbonaceous Aerosols in the 2019 Woodbury, AZ Fire Plume, J.E. Lee, M.K. Dubey, A.C. Aiken, P. Chylek and C.M. Carrico, *Journal of Geophysical Research-Atmospheres* (2020) **125**, e2020JD032399. [Wiley Link](#)
93. Different Chemical Removal Pathways of Volatile Organic Compounds (VOCs): Comparison of Urban and Regional Sites, S.H. Wang, Y.W. Peng, J.P. Qi, C.H. Wu, C.M. Wang, B.L. Wang, Z.L. Wang, Y. Kuang, W. Song, X.M. Wang, W.W. Hu, W. Chen, J. Shen, D.H. Chen, M. Shao and B. Yuan, *Acta Scientiae Circumstantiae* (2020) **40**, 7, 2311-2322. [EE Link](#)
94. Novel Materials for Combined Nitrogen Dioxide and Formaldehyde Pollution Control under Ambient Conditions, H.S. Russell, J. Bonomaully, R. Bossi, M.E.G. Hofmann, H.C. Knap, J.B. Pervov, M. in 't Veld and M.S. Johnson, *Catalysts* (2020) **10**, 1040. [MDPI Link](#)
95. Semi-Closed Greenhouse Photosynthesis Measurements – A Future Standard in Intelligent Climate Control, L.M. Mortensen and F. Ringsevjen, *European Journal of Horticultural Science* (2020) **85**, 4, 219-225. [EJHS Link](#)
96. A Lower-Cost PM/NO<sub>2</sub> Air Quality Measurement Unit with a Low-Cost Air Dryer for Stationary Outdoor Use, M.C. Mateos, B. Laquai, U. Vogt, I. Chourdakis, G.C.S. Castillo and A. Samad, 20<sup>th</sup> International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 26-27 October 2020, Mediterranean Scientific Association of Environmental Protection (MESAEP), edited by D. Sarigiannis, D. Seker, A. Gotti and M. Zucchetti, 148-152. [MESAEP Link](#)
97. Observation of Road Salt Aerosol Driving Inland Wintertime Atmospheric Chlorine Chemistry, S.M. McNamara, K.R. Kolesar, S. Wang, R.M. Kirpes, N.W. May, M.J. Gunsch, R.D. Cook, J.D. Fuentes, R.S. Hornbrook, E.C. Apel, S. China, A. Laskin and K.A. Pratt, *ACS Central Science* (2020) **6**, 5, 684-694. [ACS Link](#)

Model 410/401

98. Large Nitrogen Oxide Emission Pulses from Desert Soils and Associated Microbiomes, J.R. Eberwein, P.M. Homyak, C.J. Carey, E.L. Aronson and G. Darrel Jenerette, *Biogeochemistry* (2020) **149**, 239-250. [SpringerLink](#)
99. Exotic Grass Litter Modulates Seasonal Pulse Dynamics of CO<sub>2</sub> and N<sub>2</sub>O, but not NO, in Mediterranean-Type Coastal Sage Scrub at the Wildland-Urban Interface, H.M. Andrews and G.D. Jenerette, *Plant Soil* (2020) **456**, 339-353. [SpringerLink](#)

Model 306 Ozone Calibration Source

100. A Cavity-Enhanced Ultraviolet Absorption Instrument for High Precision, Fast-Time-Response Ozone Measurements, R.A. Hannun, A.K. Swanson, S.A. Bailey, T.F. Hanisco, T.P. Bui, I. Bourgeois, J. Peischl and T.B. Ryerson, *Atmospheric Measurement Techniques* (2020) **13**, 6877-6887. [AMT link](#)
101. The Impact of Drought on Total Ozone Flux in a Mountain Norway Spruce Forest, T. Agyei, S. Juráň, K. Ofori-Amanfo Kwakye, L. Šigut, O. Urban and M.V. Marek, *Journal of Forest Science* (2020) **66**, 7, 280-287. [Link](#)
102. Redox Regulation of Cutaneous Inflammation by Ozone Exposure, F. Ferrara, E. Pambianchi, A. Pecorelli, B. Woodby, N. Messano, J.-P. Therrien, M.A. Lila and G. Valacchi, *Free Radical Biology and Medicine* (2020) **152**, 561-570. [ScienceDirect](#)

Multiple 2B Tech Instruments Used (models noted at end of citation)

103. Nitrate Radical Generation via Continuous Generation of Dinitrogen Pentoxide in a Laminar Flow Reactor Coupled to an Oxidation Flow Reactor, A.T. Lambe, E.C. Wood, J.F. Krechmer, F. Majluf, L.R. Williams, P.L. Croteau, M. Cirtog, A. Féron, J.-E. Petit, A. Albinet, J.L. Jimenez and Z. Peng, *Atmospheric Measurement Techniques* (2020) **13**, 2397-2411. [SemanticScholar](#) [Models 405+106M]

104. Three-Dimensional, Millimeter-Scale Semiconducting SWCNT Aerogels for Highly Sensitive Ozone Detection, B. Park, T. Park, S.-W. Kim, M. Jeong, Y. Oh and M.-K. Um, *Journal of Hazardous Materials* (2020) **394**, 122516. [ScienceDirect](#) [Models 202+306]
105. Investigation of Urban Air Quality by Performing Mobile Measurements Using a Bicycle (MOBAIR), A. Samad and U. Vogt, *Urban Climate* (2020) **33**, 100650. [ScienceDirect](#) [Models 405+202]
106. Aerosol Mass and Optical Properties, Smoke Influence on O<sub>3</sub>, and High NO<sub>3</sub> Production Rates in a Western US City Impacted by Wildfires, V. Selimovic, R.J. Yokelson, G.R. McMeeking and S. Coefield, *Journal of Geophysical Research-Atmospheres* (2020) **125**, 16. [AGU link](#) [Models 211+405].
107. Development and Utilization of Hexacopter Unmanned Aerial Vehicle Platform to Characterize Vertical Distribution of Boundary Layer Ozone in Wintertime, Q. Chen, X.-B. Li, R. Song, H.-W. Wang, B. Li, H.-D. He and Z.-R. Peng, *Atmospheric Pollution Research* (2020) **11**, 1073-1083. [ScienceDirect](#) [Models POM+306]
108. Reproducibility of 'COST Reference Microplasma Jets', F. Riedel, J. Golda, J. Held, H.L. Davies, M.W. van der Woude, J. Bredin, K. Niemi, T. Gans, V. Schulz-von der Gathen and D. O'Connell, *Plasma Sources Science and Technology* (2020) **29**, 095018. [IOP Science link](#) [Models 106L+405]
109. Ozone Deposition on Free-Running Indoor Materials and the Corresponding Volatile Organic Compound Emissions: Implications for Ventilation Requirements, W. Ye, H. Wang, Z. Chen and X. Zhang, *Applied Sciences* (2020) **10**, 12, 4146. [MDPI Link](#) [Models 306+106L+205]
110. Exposure to Air Pollution in Indoor Walkways of a Suburban City, L. Li, A.F. Mullan and N. Clements, *Building and Environment* (2020) **183**, 107171. [ScienceDirect](#) [Models 205+306]
111. SentinelAir System Software: A Flexible Tool for Data Acquisition from Heterogeneous Sensors and Devices, D. Suriano, *SoftwareX* (2020) **12**, 100589. [Science Direct](#) [Models 106L+405]
112. Long-Term Calibration Models to Estimate Ozone Concentrations with a Metal Oxide Sensor, T. Sayahi, A. Garff, T. Quah, K. Lê, T. Becnel, K.M. Powell, P.-E. Gaillardon, A.E. Butterfield and K.E. Kelly, *Environmental Pollution* (2020) **267**, 115363. [ScienceDirect](#) [Models 106L, 306]
113. Portable Calibrator for NO Based on Photolysis of N<sub>2</sub>O and a Combined NO<sub>2</sub>/NO/O<sub>3</sub> Source for Field Calibrations of Air Pollution Monitors, J.W. Birks, A.A. Turnipseed, P.C. Andersen, C.J. Williford, S. Strunk, B. Carpenter and C.A. Ennis, *Atmospheric Measurement Techniques* (2020) **13**, 2, 1001-1018. [AMT Link](#) [Models 408+306+714]
114. Vertical Profiles of Atmospheric Species Concentrations and Nighttime Boundary Layer Structure in the Dry Season over an Urban Environment in Central Amazon Collected by an Unmanned Aerial Vehicle, P. Guimarães, J. Ye, C. Batista, R. Barbosa, I. Ribeiro, A. Medeiros, T. Zhao, W.-C. Hwang, H.-M. Hung, R. Souza and S.T. Martin, *Atmosphere* (2020) **11**, 1371. [MDPI Link](#) [Models POM+306]
115. Air Pollution Inputs to the Mojave Desert by Fusing Surface Mobile and Airborne *in situ* and Airborne and Satellite Remote Sensing: A Case Study of Interbasin Transport with Numerical Model Validation, I. Leifer, C. Melton, R. Chatfield, X. Cui, M.L. Fischer, M. Fladeland, W. Gore, D.L. Hlavka, L. Iraci, J. Marrero, J.-M. Ryoo, T. Tanaka, E. Yates and J. Yorks, *Atmospheric Environment* (2020) **224**, 117184. [Science Direct](#) [Models 205+306]

Ozone or NO<sub>x</sub> Monitor (Model not specified in paper)

116. To Promote Ozone Catalytic Decomposition by Fabricating Manganese Vacancies in ε-MnO<sub>2</sub> Catalyst via Selective Dissolution of Mn-Li Precursors, W. Hong, M. Shao, T. Zhu, H. Wang, Y. Sun, F. Shen and X. Li, *Applied Catalysis B: Environmental* (2020) **274**, 119088. [ScienceDirect](#) [ozone]
117. Improve Low-Temperature Selective Catalytic Reduction of NO<sub>x</sub> with NH<sub>3</sub> by Ozone Injection, M. Liu, J. Li, Z. Liu, Y. Zhao, N. Jiang and Y. Wu, *International Journal of Plasma Environmental Science and Technology* (2020) **14**, e01007. [IJPST Link](#) [ozone]
118. Degradation of Toluene by Pulse-Modulated Multistage DBD Plasma: Key Parameters Optimization through Response Surface Methodology (RSM) and Degradation Pathway Analysis, N. Jiang, Y. Zhao, K. Shang, N. Lu, J. Li and Y. Wu, *Journal of Hazardous Materials* (2020) **393**, 122365. [ScienceDirect](#) [ozone]
119. Improving the Catalytic Performance of Ozone Decomposition over Pd-Ce-OMS-2 Catalysts under Harsh Conditions, L. Yang, J. Ma, X. Li, G. He, C. Zhang and H. He, *Catalysis Science & Technology* (2020) **10**, 7671-7680, doi: 10.1039/d0cy01298j. [RSCLink](#) [ozone]

120. A Novel Method for Simultaneous Removal of NO and SO<sub>2</sub> from Marine Exhaust Gas via In-Site Combination of Ozone Oxidation and Wet Scrubbing Absorption, Z. Han, T. Zou, J. Wang, J. Dong, Y. Deng and X. Pan, *Journal of Marine Science and Engineering* (2020) **8**, 943. [MDPI Link](#) [ozone]
121. Characterization of Low-Dose Ozone-Induced Murine Acute Lung Injury, G.K. Aulakh, J.A. Brocos Duda, C.M. Guerrero Soler, E. Snead and J. Singh, *Physiological Reports* (2020) **8**, c14463. [Wiley Online](#) [ozone]
122. The Performance and Reaction Pathway of δ-MnO<sub>2</sub>/USY for Catalytic Oxidation of Toluene in the Presence of Ozone at Room Temperature, R. Yang, P. Han, Y. Fan, Z. Guo, Q. Zhao, Y. Wang, S. Che, S. Lin and R. Zhu, *Chemosphere* (2020) **247**, 125864. [ScienceDirect](#) [ozone]
123. An Experimental Method for Measuring VOC Emissions from Individual Human Whole-Body Skin Under Controlled Conditions, Z. Zou, J. He and X. Yang, *Building and Environment* (2020) **181**, 107137. [ScienceDirect](#) [ozone]
124. NO<sub>x</sub> Removal from Flue Gas Using an Ozone Advanced Oxidation Process with Injection of Low Concentration of Ethanol: Performance and Mechanism, Z. Han, J. Wang, T. Zou, D. Zhao, C. Gao, J. Dong and X. Pan, *Energy & Fuels* (2020) **34**, 2080-2088. [ACS Link](#) [ozone]
125. Cézeaux-Aulnat-Opme-Puy De Dôme: A Multi-Site for the Long-Term Survey of the Tropospheric Composition and Climate Change, J.-L. Baray, L. Deguillaume, A. Colomb, K. Sellegri, E. Freney, C. Rose, J. Van Baelen, J.-M. Pichon, D. Picard, P. Fréville, L. Bouvier, M. Ribeiro, P. Amato, S. Banson, A. Bianco, A. Borbon, L. Bourcier, Y. Bras, M. Brigante, P. Cacault, A. Chauvigné, T. Charbouillot, N. Chaumerliac, A.-M. Delort, M. Delmotte, R. Dupuy, A. Farah, G. Febvre, A. Flossmann, C. Gourdoyre, C. Hervier, M. Hervo, N. Huret, M. Joly, V. Kazan, M. Lopez, G. Mailhot, A. Marinoni, O. Masson, N. Montoux, M. Parazols, F. Peyrin, Y. Pointin, M. Ramonet, M. Rocco, M. Sancelme, S. Sauvage, M. Schmidt, E. Tison, M. Vaitilingom, P. Villani, M. Wang, C. Yver-Kwok, and P. Laj, *Atmospheric Measurement Techniques* (2020) **13**, 3413–3445, doi:10.5194/amt-13-3413-2020. [AMT Link](#) [ozone]
126. Tuning the Fill Percentage in the Hydrothermal Synthesis Process to Increase Catalyst Performance for Ozone Decomposition, L. Yang, J. Ma, X. Li, G. He, C. Zhang and H. He, *Journal of Environmental Sciences* (2020) **87**, 60-70. [ScienceDirect](#) [ozone]
127. Quantification of Regional Murine Ozone-Induced Lung Inflammation Using [18F]-FDG MicroPET/CT Imaging, G.K. Aulakh, M. Kaur, V. Brown, S. Ekanayake, B. Khan and H. Fonge, *Nature Scientific Reports* (2020) **10**, 15699. [Nature Link](#) [ozone]
128. Development and Characterization of Surface Dielectric Barrier Discharge-Based Reactor for Ozone Production, A.A. Abdelaziz, M. Abdel-Salam, A.A. Hashim, G.A. Hammad, and H.-H. Kim, *Assiut University Journal of Physics* (2020) **49**, 1, 17-34. [AUNJ Link](#) [ozone]

## 2019 (sorted by model number of the 2B Tech instrument used)

### Model 106L Ozone Monitor

1. Cold Atmospheric Pressure Plasma Comb—A Physical Approach for Pediculosis Treatment, L. ten Bosch, B. Habedank, D. Siebert, J. Mrotzek and W. Viöl, *International Journal of Environmental Research and Public Health* (2019) **16**, 19, doi:10.3390/ijerph16010019, 16 pp. [MDPI Link](#)
2. Indoor Air Quality, Ventilation and Their Associations with Sick Building Syndrome in Chinese Homes, Y. Sun, J. Hou, R. Cheng, Y. Sheng, X. Zhang and J. Sundell, *Energy and Buildings* (2019) **197**, 112-119. [Science Direct](#)
3. Influence of Pulse Characteristics and Power Density on Stratum Corneum Permeabilization by Dielectric Barrier Discharge, M. Gelker, J. Mrotzek, A. Ichter, C.C. Müller-Goymann and W. Viöl, *Biochimica et Biophysica Acta – General Subjects* (2019) **1863**(10), 1513-1523. [ScienceDirect](#)
4. Photocatalytic Ozonation Mechanism of Gaseous *n*-Hexane on MO<sub>x</sub>-TiO<sub>2</sub>-Foam Nickel Composite (M = Cu, Mn, Ag): Unveiling the Role of ·OH and ·O<sub>2</sub><sup>-</sup>, P. Wei, D. Qin, J. Chen, Y. Li, M. Wen, Y. Ji, G. Li and T. An, *Royal Society of Chemistry* (2019) **6**, 959-969. [RSC Link](#)
5. Toward Stomatal-Flux Based Forest Protection Against Ozone: The MOTTLES Approach, E. Paoletti, A. Alivernini, A. Anav, O. Badea, E. Carrari, S. Chivulescu, A. Conte, M.L. Ciriani, L. Dalstein-Richier, A. De Marco, S. Fares, G. Fasano, A. Giovannelli, M. Lazzara, S. Leca, A. Materassi, V. Moretti, D. Pitar, I. Popa, F. Sabatini, L. Salvati, P. Sicard, T. Sorgi and Y. Hoshika, *Science of the Total Environment* (2019) **691**, 516-527. [ScienceDirect](#)
6. Enhancement of Emulsion Penetration in Agarose Gel Model Using Flexible Plasma Treatment, Y.R. Lee, S. Lee and D.-G. Kim, *Biomedical Physics & Engineering Express* (2019) **5**(4), 045027. [IOP Science Link](#)

7. OH Radicals Determined Photocatalytic Degradation Mechanisms of Gaseous Styrene in TiO<sub>2</sub> System under 254 nm versus 185 nm Irradiation: Combined Experimental and Theoretical Studies, J. Chen, Z. He, Y. Ji, G. Li, T. An and W. Choi, *Applied Catalysis B: Environmental* (2019) **257**, 117912. [ScienceDirect](#)
8. Efficient Catalytic Removal of Airborne Ozone under Ambient Conditions over Manganese Oxides Immobilized on Carbon Nanotubes, J. Ji, Y. Fang, L. He and H. Huang, *Catalysis Science & Technology* (2019) **9**, 4036-4046, doi:10.1039/C9CY00762H. [RSC Link](#)
9. Structure Elucidation of Cyclohexene (9Z)-octade-9-enyl Ethers Isolated from the Leaves of *Uvaria cherrevensis* (Annonaceae), C. Auranwiwat, A.T. Maccarone, A.W. Carroll, R. Rattanajak, S. Kamchonwongpaisan, S.J. Blanksby, S.G. Pyne and T. Limtharakul, *Tetrahedron* (2019) **75**, 2336-2342. [ScienceDirect](#)
10. The Study of Different Metals Effect on Ozone Generation under Corona Discharge in MV Switchgear Used for Fault Diagnostic, H. Javed, L. Kang and G. Zhang, 2019 IEEE Asia Power and Energy Engineering Conference (2019), Chengdu, China, doi: 10.1109/APEEC.2019.8720699, 20-33. [IEEEExplore](#)
11. Relative Humidity Effect on the Formation of Highly Oxidized Molecules and New Particles during Monoterpene Oxidation, X. Li, S. Chee, J. Hao, J.P.D. Abbatt, J. Jiang and J.N. Smith, *Atmospheric Chemistry and Physics* (2019) **19**, 1555-1570. [ACP Link](#)
12. Amorphous MnO<sub>2</sub> Surviving Calcination: An Efficient Catalyst for Ozone Decomposition, Y. Yu, S. Liu, J. Ji and H. Huang, *Catalysis Science & Technology* (2019) **9**, 5090-5099. [RSC Link](#)
13. Enhancing Oxygen Vacancies by Introducing Na<sup>+</sup> into OMS-2 Tunnels to Promote Catalytic Ozone Decomposition, W. Hong, T. Zhu, Y. Sun, H. Wang, X. Li and F. Shen, *Environmental Science & Technology* (2019) **53**, 22, 13332-13343. [ACS Link](#)
14. Catalytic Removal of Ozone by Pd/ACFs and Optimal Design of Ozone Converter for Air Purification in Aircraft Cabin, F. Wu, Y. Lu, M. Wang, X. Zhang and C. Yang, *Civil Engineering Journal* (2019) **5**(8), August 2019. [Semantic Scholar Link](#)
15. Effect of Cold Plasma Treatment on the Quantitative Compositions of Silkworm Powder, T.-Y. Jo, Y.W. Seo, Y.B. Lee, S.-R. Kim and H.Y. Kweon, *International Journal of Industrial Entomology* (2019) **38**(2), 25-30. [Link](#)

#### Model 106-M Ozone Monitor

16. Impact of Ozonation Process on the Microbiological Contamination and Antioxidant Capacity of Highbush Blueberry (*Vaccinium corymbosum* L.) Fruit during Cold Storage, T. Piechowiak, P. Antos, R. Józefczyk, P. Kosowski, K. Skrobacz and M. Balawejder, *Ozone: Science & Engineering* (2019) **41**, 4, 376-385. [Taylor&Francis Link](#)
17. Highly Active and Humidity Resistive Perovskite LaFeO<sub>3</sub> Based Catalysts for Efficient Ozone Decomposition, S. Gong, Z. Xie, W. Li, X. Wu, N. Han and Y. Chen, *Applied Catalysis B: Environmental* (2019) **241**, 578-587. [ScienceDirect](#)
18. Efficacy of Low-Temperature Plasma-Activated Gas Disinfection Against Biofilm on Contaminated GI Endoscope Channels, S. Bhatt, P. Mehta, C. Chen, C.L. Schneider, L.N. White, H.-L. Chen and M.G. Kong, *Gastrointestinal Endoscopy* (2019) **89** (1), 105-114. [ScienceDirect](#)
19. Impact of Ozonation Process on the Microbiological and Antioxidant Status of Raspberries (*Rubus idaeus* L.) during Storage at Room Temperature, T. Piechowiak, P. Antos, P. Kosowski, K. Skrobacz, R. Józefczyk and M. Balawejder, *Agricultural and Food Science* (2019) **28**, 35-44. [AFS link](#)
20. Impact of Ozonation Process on the Level of Selected Oxidative Stress Markers in Raspberries Stored at Room Temperature, T. Piechowiak and M. Balawejder, *Food Chemistry* (2019) **298**, 125093. [Science Direct](#)
21. Kinetics Study on Non-Thermal Plasma Mineralization of Adsorbed Toluene over  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Hybrid with Zeolite, C. Qin, H. Guo, W. Bai, J. Huang, X. Huang, X. Dang and D. Yan, *Journal of Hazardous Materials* (2019) **369**, 430-438. [ScienceDirect](#)
22. Methanol Plasma-Catalytic Oxidation over CeO<sub>2</sub> Catalysts: Effect of Ceria Morphology and Reaction Mechanism, X. Wang, J. Wu, J. Wang, H. Xiao, B. Chen, R. Peng, M. Fu, L. Chen, D. Ye and W. Wen, *Chemical Engineering Journal* (2019) **369**, 233-244. [ScienceDirect](#)
23. Using Non-Thermal Plasma for Decomposition of Toluene Adsorbed on  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> and ZSM-5: Configuration and Optimization of a Double Dielectric Barrier Discharge Reactor, S. Li, X. Yu, X. Dang, H. Guo, P. Liu and C. Qin, *Chemical Engineering Journal* (2019) **375**, 122027. [Science Direct](#)
24. Enhanced Plasma Mineralization of Adsorbed Toluene by Optimization the Hybrid Support of Ag-Mn Catalysts, C. Qin, W. Bai, P. Liu, J. Huang, H. Guo, X. Huang, X. Dang and D. Yan, *Journal of Industrial and Engineering Chemistry* (2019) **80**, 704-711. [Science Direct](#)

25. Etched p-Type Si Nanowires for Efficient Ozone Decomposition, X. Li, L. Luo, Y. Bi, A. Wang, Y. Chen, N. Han and F. Wang, *Nanoscale Research Letters* (2019) **14**, 374. [Springer Link](#)
26. Impact of Ozonation Process on the Antioxidant Status in Blackcurrant *Ribes nigrum* L. Fruit, T. Piechowiak and M. Balawejder, *Journal of Berry Research* (2019) **9**, 4, 575-585. [ISO Link](#)
27. Removal of Toluene with a Reverse Flow Non-Thermal Plasma-Catalytic Reaction System, W.-J. Liang, H.-P. Sun, Y.-X. Zhu and J. Li, *China Environmental Science* (2019) **39**, 12, 4974-4981. [Link](#)
28. The Chemical Characteristics and Formation of Potential Secondary Aerosol (PSA) using an Oxidation Flow Reactor (OFR) in the Summer: Focus on the Residential Area, Suwon, G. Park, K. Kim, S. Kang, T. Park, J. Ban and T. Lee, *Journal of Korean Society for Atmospheric Environment* (2019) **35**, 6, 786-801. [Link](#)

#### Model 106-MH or Model 106-H Ozone Monitors

29. Quality Deterioration of Grape Tomato Fruit during Storage after Treatments with Gaseous Ozone at Conditions that Significantly Reduced Populations of Salmonella on Stem Scar and Smooth Surface, L. Wang, X. Fan, K. Sokorai and J. Sites, *Food Control* (2019) **103**, 9-20. [ScienceDirect](#)
30. Ozonation of Cassava Starch to Produce Biodegradable Films, C.I.A. La Fuente, A.T. de Souza, C.C. Tadini and P.E.D. Augusto, *International Journal of Biological Macromolecules* (2019) **141**, 713-720. [Science Direct](#)
31. Ozone Technology to Reduce Zearalenone Contamination in Whole Maize Flour: Degradation Kinetics and Impact on Quality, A.P.S. Alexandre, N. Castanha, N.S. Costa, A.S. Santos, E. Badiale-Furlong, P.E.D Augusto and M.A. Calori-Domingues, *Journal of the Science of Food and Agriculture* (2019) **99**(15), 6814-6821. [Wiley Online Library](#)
32. Shelf Life Extension of Berries Using In-Pack Ozone, L. Crozier, S. Park, E. Munn, D. Ibanez, N. Holden and H. Potts, *Italian Journal of Food Science, suppl. SLIM 2019: Shelf Life International Meeting* (2019) Pinerolo: 60-66. [ProQuest](#)
33. A Study on the Influence of Gas Mixture on the Property of Plasma-Activated Water, C.-C. Lai, Y.-X. Deng and Y.-H. Liao, *Plasma Processes and Polymers* (2019) **17**, e1900196. [WileyLink](#)
34. Surface Treatment of TuFF Pitch-Based Carbon Fiber for Adhesion Promotion in High Tg Thermoplastic Composites, J.M. Deitzel, M. Kubota, J.W. Gillespie Jr., Z.R. Himton, L. Thursch, N. Alvarez, G. Palmese, J.J. Fallon, M. Bortner, R. Zhang, R.M. Joseph, T. Schumaker, J. Riffle, S. Lukubira, S. Kanhere, M.C. Tang and A. Ogale, *SAMPE Conference Proceedings* (2019), Society for the Advancement of Material and Process Engineering – North America, 20-23 May 2019, Charlotte, NC, 15 pp. [2B Tech Link](#)

#### Model 202 Ozone Monitor

35. Facile Synthesis of Ag-Modified Manganese Oxide for Effective Catalytic Ozone Decomposition, X. Li, J. Ma, C. Zhang, R. Zhang and H. He, *Journal of Environmental Sciences* (2019) **80**, 159-168. [ScienceDirect](#)
36. Comparison of Discharging Electrodes for the Electrostatic Precipitator as an Air Filtration System in Air Handling Units, D.H. Shin, C.G. Woo, H.-J. Kim, Y.-J. Kim and B. Han, *Aerosol and Air Quality Research* (2019) **19**, 671-676. [AAQR Link](#)
37. Efficient MnO<sub>x</sub>/SiO<sub>2</sub>@AC Catalyst for Ozone-Catalytic Oxidation of Gaseous Benzene at Ambient Temperature, R. Fang, W. Huang, H. Huang, Q. Feng, M. He, J. Ji, B. Liu and D.Y.C. Leung, *Applied Surface Science* (2019) **470**, 439-447. [ScienceDirect](#)
38. Perspectives on Textile Cleanliness – Detecting Human Sebum Residues on Worn Clothing, M. Krifa, S. Rajaganesh, and W. Fahy, *Textile Research Journal* (2019) **89**, (23-24), 5226-5237, doi:10.1177/0040517519855323. [SageJournals](#)
39. Dynamics of Residential Water-Soluble Organic Gases: Insights into Sources and Sinks, S.M. Duncan, S. Tomaz, G. Morrison, M. Webb, J. Atkin, J.D. Surratt and B.J. Turpin, *Environmental Science & Technology* (2019) **53**, 1812-1821. [ACS Link](#)
40. Highly Active OMS-2 for Catalytic Ozone Decomposition under Humid Conditions, B. Peng, W. Bao, L. Wei, R. Zhang, Zho. Wang, Zhi. Wang, and Y. Wei, *Petroleum Science* (2019) **16**(4), 912-919. [SpringerLink](#)
41. Oxidative and Toxicological Evolution of Engineered Nanoparticles with Atmospherically Relevant Coatings, Q. Liu, J. Liggio, D. Breznan, E.M. Thomson, P. Kumarathanan, R. Vincent, K. Li and S.-M. Li, *Environmental Science & Technology* (2019) **53**, 3058-3066. [ACS Link](#)
42. Effect of NO<sub>x</sub> on 1,3,5-trimethylbenzene (TMB) Oxidation Product Distribution and Particle Formation, E. Tsiligiannis, J. Hammes, C.M. Salvador, T.F. Mentel and M. Hallquist, *Atmospheric Chemistry and Physics* (2019) **19**, 15073-15086. [ACP link](#)

43. Understanding the Impact of Relative Humidity and Coexisting Soluble Iron on the OH-Initiated Heterogeneous Oxidation of Organophosphate Flame Retardants, Q. Liu, J. Liggio, K. Li, P. Lee and S.-M. Li, *Environmental Science & Technology* (2019) **53**, 6794-6803. [ACS Link](#)
44. Nitrogen Loading Increases the Ozone Sensitivity of Larch Seedlings with Higher Sensitivity to Nitrogen Loading, T. Sugai, T. Watanabe, K. Kita and T. Koike, *Science of the Total Environment* (2019) **663**, 587-595. [ScienceDirect](#)
45. Organic Surfactants Protect Dissolved Aerosol Components Against Heterogeneous Oxidation, J.A. Faust and J.P.D. Abbatt, *The Journal of Physical Chemistry* (2019) **123**, 2114-2124. [ACS Link](#)
46. Effect of Long-Term vs. Short-Term Ambient Ozone Exposure on Radial Stem Growth, Sap Flux and Xylem Morphology of O<sub>3</sub>-Sensitive Poplar Trees, A. Giovannelli, M.L. Traversi, M. Anichini, Y. Hoshika, S. Flares and E. Paoletti, *Forests* (2019) **10**, 396. [MDPI Link](#)
47. Shipborne Measurements of ClNO<sub>2</sub> in the Mediterranean Sea and around the Arabian Peninsula during Summer, P.G. Eger, N. Friedrich, J. Schuladen, J. Shenolikar, H. Fischer, I. Tadic, H. Harder, M. Martinez, R. Rohloff, S. Tauer, F. Drewnick, F. Fachinger, J. Brooks, E. Darbyshire, J. Sciare, M. Pikridas, J. Lelieveld and J.N. Crowley, *Atmospheric Chemistry and Physics* (2019) **19**, 12121-12140. [ACP Link](#)
48. Effects of the Pulse Width and Oxygen Admixture on the Production of Reactive Species in Gas- and Liquid-Phases Exposed by Bipolar Microsecond-Pulsed Atmospheric Pressure Helium Plasma Jets, H.M. Joh, E.J. Baek, S.J. Kim and T.H. Chung, *Physics of Plasmas* (2019) **26**, 053509. [ScitationLink](#)
49. OH-Chemistry of Non-Methane Organic Gases (NMOG) Emitted from Laboratory and Ambient Biomass Burning Smoke: Evaluating the Influence of Furans and Oxygenated Aromatics on Ozone and Secondary NMOG Formation, M.M. Coggon, C.Y. Lim, A.R. Koss, K. Sekimoto, B. Yuan, J.B. Gilman, D.H. Hagan, V. Selimovic, K. Zarzana, S.S. Brown, J.M. Roberts, M. Müller, R. Yokelson, A. Wisthaler, J.E. Krechmer, J.L. Jimenez, C. Cappa, J. Kroll, J. de Gouw and C. Warneke, *Atmospheric Chemistry and Physics* (2019) **19**, 14875-14899. [ACP link](#)
50. Vacuum Ultraviolet (VUV)-Based Photocatalytic Oxidation for Toluene Degradation over Pure CeO<sub>2</sub>, M. Wu, Y. Zhang, W. Szeto, W. Pan, H. Huang and D.Y.C. Leung, *Chemical Engineering Science* (2019) **200**, 203-213. [ScienceDirect](#)
51. Effects of Photolysis on the Chemical and Optical Properties of Secondary Organic Material over Extended Time Scales, E.Q. Walhout, H. Yu, C. Thrasher, J.M. Shusterman and R.E. O'Brien, *ACS Earth and Space Chemistry* (2019) **3**(7), 1226-1236, doi:10.1021/acsearthspacechem.9b00109. [ACS Link](#)
52. Overview of HOMEChem: House Observations of Microbial and Environmental Chemistry, D.K. Farmer, M.E. Vance, J.P.D. Abbatt, A. Abeleira, M.R. Alves, C. Arata, E. Boedicker, S. Bourne, F. Cardoso-Saldaña, R. Corsi, P.F. DeCarlo, A.H. Goldstein, V.H. Grassian, L. Hildebrandt Ruiz, J.L. Jimenez, T.F. Kahan, E.F. Katz, J.M. Mattila, W.W. Nazaroff, A. Novoselac, R.E. O'Brien, V.W. Or, S. Patel, S. Sankhyan, P.S. Stevens, Y. Tian, M. Wade, C. Wang, S. Zhou and Y. Zhou, *Environmental Science: Processes & Impacts* (2019) **21**, 1280-1300. [RSC Link](#)
53. Experimental Study of OH-Initiated Heterogeneous Oxidation of Organophosphate Flame Retardants: Kinetics, Mechanism, and Toxicity, Q. Liu, J. Liggio, D. Wu, A. Saini, S. Halappanavar, J.J.B. Wentzell, T. Harner, K. Li, P. Lee and S.-M. Li, *Environmental Science & Technology* (2019) **53**(24), 14398-14408. [ACS Link](#)
54. Cooking/Window Opening and Associated Increases of Indoor PM<sub>2.5</sub> and NO<sub>2</sub> Concentrations of Children's Houses in Kaohsiung, Taiwan, Y.-C. Yen, C.-Y. Yang, K.D. Mena, Y.-T. Cheng and P.-S. Chen, *Applied Sciences* (2019) **9**(20), 4306. [MDPI Link](#)
55. Secondary Organic Aerosol Formation from the OH-Initiated Oxidation of Guaiacol under Different Experimental Conditions, C. Liu, J. Liu, Y. Liu, T. Chen and H. He, *Atmospheric Environment* (2019) **207**, 30-37. [ScienceDirect](#)
56. Ozone-Induced Impairment of Night-time Stomatal Closure in O<sub>3</sub>-Sensitive Poplar Clone is Affected by Nitrogen but not by Phosphorus Enrichment, Y. Hoshika, A. De Carlo, R. Baraldi, L. Neri, E. Carrari, E. Agathokleous, L. Zhang, S. Fares and E. Paoletti, *Science of the Total Environment* (2019) **692**, 713-722. [Science Direct](#)
57. Analysing the Impact Climate Has on the Emissions of BVOCs and the Formation of Tropospheric Ozone, B. De Grandis, Master's Thesis (2019), University of Gothenburg, 61 pp. [GU Link](#)
58. Observed Ozone over the Chesapeake Bay Land-Water Interface: The Hart-Miller Island Pilot Project, J. Dreessen, D. Orozco, J. Boyle, J. Szymborski, P. Lee, A. Flores and R.K. Sakai, *Journal of the Air & Waste Management Association* (2019) **69**, 11, 1312-1330. [Taylor&Francis Link](#)

59. A Study on the Characteristics of Plasma According to the Structure of the Microwave Atmospheric Pressure Plasma Jet Generator, J. Shin, J. Bae, S. Kim, H. Cho and T. Jung, Korean Vacuum Engineering Association Academic Presentation Abstracts (2019), 193-193. [DBpia link](#)
60. Spatial Variability of Ground-Level Ozone, Aerosol and Solar UV Radiation in Southeast Crimea, V.A. Lapchenko, N.Y. Chubarova, E. Yu. Zhdanova and V.A. Rozental, *Vestnik Moskovskogo Universiteta. Seriya 5, Geografiya*. (2019) **2**, 33-44. [Vestnik link](#)
61. Indoor Air Quality in Printing Press in Kuwait, L. Al-Awadi, M. Al-Rashidi, B. Pereira, A. Pillai, and A. Khan, *International Journal of Environmental Science and Technology* (2019) **16**, 2643-2656. [SpringerLink](#) [202]

#### Model 205 Ozone Monitor

62. Residual Layer Ozone, Mixing, and the Nocturnal Jet in California's San Joaquin Valley, D.J. Caputi, I. Faloona, J. Trousdell, J. Smoot, N. Falk and S. Conley, *Atmospheric Chemistry and Physics* (2019) **19**, 4721-4740. [ACP Link](#)
63. Effects of Environmental Factors on Ozone Flux over a Wheat Field Modeled with an Artificial Neural Network, Z. Zhu, *Advances in Meteorology* (2019), Article ID 1257910, 11 pp. [HindawiLink](#)
64. Direct Detection of Atmospheric Atomic Bromine Leading to Mercury and Ozone Depletion, S. Wang, S.M. McNamara, C.W. Moore, D. Obrist, A. Steffen, P.B. Shepson, R.M. Staebler, A.R.W. Raso and K.A. Pratt, *Proceedings of the National Academy of Sciences* (2019) **116**(29), 14469-14474. [PNAS link](#)
65. Springtime Nitrogen Oxide-Influenced Chlorine Chemistry in the Coastal Arctic, S.M. McNamara, A.R.W. Raso, S. Wang, S. Thanekar, E.J. Boone, K.R. Kolesar, P.K. Peterson, W.R. Simpson, J.D. Fuentes, P.B. Shepson and K.A. Pratt, *Environmental Science & Technology* (2019) **53**(14), 8057-8067, doi:10.1021/acs.est.9b01797. [ACS Link](#)
66. Experimental Evaluation of Positive and Negative Air Ions Disinfection Efficacy under Different Ventilation Duct Conditions, S.S. Nunayon, H.H. Zhang, X. Jin, and A.C.K. Lai, *Building and Environment* (2019) **158**, 295-301. [ScienceDirect](#)
67. HONO, Particulate Nitrite, and Snow Nitrite at a Midlatitude Urban Site during Wintertime, Q. Chen, J. Edebeli, S.M. McNamara, K.D. Kulju, N.W. May, S.B. Bertman, S. Thanekar, J.D. Fuentes and K.A. Pratt, *ACS Earth and Space Chemistry* (2019) **3**, 811-822. [ACS Link](#)
68. The Use of OJIP Fluorescence Transients to Monitor the Effect of Elevated Ozone on Biomass of Canola Plants, B.G. Maliba, P.M. Inbaraj and J.M. Berner, *Water, Air, & Soil Pollution* (2019) **230**(75), doi:10.1007/s11s70-019-4124-y. [SpringerLink](#)
69. Photosynthetic Responses of Canola and Wheat to Elevated Levels of CO<sub>2</sub>, O<sub>3</sub> and Water Deficit in Open-Top Chambers, B.G. Maliba, P.M. Inbaraj and J.M. Berner, *Plants* (2019) **8** (171), doi:10.3390/plants8060171. [MDPI Link](#)
70. Secondary Organic Aerosol Formation from the Laboratory Oxidation of Biomass Burning Emissions, C.Y. Lim, D.H. Hagan, M.M. Coggon, A.R. Koss, K. Sekimoto, J. de Gouw, C. Warneke, C.D. Cappa and J.H. Kroll, *Atmospheric Chemistry and Physics* (2019) **19**, 12797-12809. [ACP Link](#)
71. The TRAX Light-Rail Train Air Quality Observation Project, D.L. Mendoza, E.T. Crosman, L.E. Mitchell, A.A. Jacques, B. Fasoli, A.M. Park, J.C. Lin and J.D. Horel, *Urban Science* (2019), **3**(4), 108. [MDPI Link](#)
72. Photochemical Production of Ozone and Emissions of NO<sub>x</sub> and CH<sub>4</sub> in the San Joaquin Valley, J.F. Trousdell, D. Caputi, J. Smoot, S.A. Conley and I.C. Faloona, *Atmospheric Chemistry and Physics* (2019) **19**, 10697-10716. [ACP Link](#)
73. Effects of Combined CO<sub>2</sub> and O<sub>3</sub> Exposures on Net CO<sub>2</sub> Assimilation and Biomass Allocation in Seedlings of the Late-Successional *Fagus Crenata*, H. Tobita, M. Komatsu, H. Harayama, K. Yazaki, S. Kitaoka and M. Kitao, *Climate* (2019), **7**(10), 117. [MDPI link](#)
74. Rate Constant and Secondary Organic Aerosol Formation from the Gas-Phase Reaction of Eugenol with Hydroxyl Radicals, C. Liu, Y. Liu, T. Chen, J. Liu and H. He, *Atmospheric Chemistry and Physics* (2019) **19**, 3, 2001-2013. [ACP Link](#)
75. Strategies to Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines, Supplementary Information, P. Karjalainen, T. Rönkkö, P. Simonen, L. Ntziachristos, P. Juuti, H. Timonen, K. Teinilä, S. Saarikoski, H. Saveljeff, M. Lauren, M. Happonen, P. Matilainen, T. Maunula, J. Nuottimäke and J. Keskinen, *Environmental Science & Technology* (2019) **53**, 17, 10408-10416. [ACS Link](#)
76. Roadside Assessment of a Modern City Bus Fleet: Primary and Secondary Emissions, Q. Liu, Ph.D. Thesis, Hong Kong University of Science and Technology (2019), 138 pp. [ProQuest](#) [205]

Personal Ozone Monitor (POM)

77. Efficacy of Paired Electrochemical Sensors for Measuring Ozone Concentrations, C. Zuidema, N. Afshar-Mohajer, M. Tatum, G. Thomas, T. Peters and K. Koehler, *Journal of Occupational and Environmental Hygiene* (2019) **16**(2), doi:10.1080/15459624.2018.1540872. [Taylor&Francis Link](#)
78. Demonstration of an Off-Axis Parabolic Receiver for Near-Range Retrieval of Lidar Ozone Profiles, B.M. Farris, G.P. Gronoff, W. Carrion, T. Knepp, M. Pippin and T.A. Berkoff, *Atmospheric Measurement Techniques* (2019) **12**, 363-370. [AMT link](#)
79. SEPHLA: Challenges and Opportunities Within Environment – Personal Health Archives, T. Sato, M.S. Dao, K. Kuribayashi and K. Zettsu, in *MultiMedia Modeling, MMM 2019, Lecture Notes in Computer Science* (2019), I. Kompatsiaris, B. Huet, V. Mezaris, C. Gurrin, W.-H. Cheng and S. Vrochidis (Eds.), volume 11295, 325-337, Springer, Cham, [https://doi.org/10.1007/978-3-030-05710-7\\_27](https://doi.org/10.1007/978-3-030-05710-7_27). [SpringerLink](#)
80. Use of Multi-Rotor Unmanned Aerial Vehicles for Fine-Grained Roadside Air Pollution Monitoring, B. Li, R. Cao, Z. Wang, R.-F. Song, Z.-R. Peng, G. Xiu and Q. Fu, *Transportation Research Record: Journal of the Transportation Research Board* (2019) **2673**(7), 169-180, doi:// 10.1177/0361198119847991. [SageJournals](#)
81. Characterizing Spatio-Temporal Ozone Gradients Along Coastal Boundaries: Sondes and Mobile Measurements from OWLETS-2, L. Nino, J. Sullivan, R. Delgado, R. Sakai, A. Flores and J. Dreessen, poster presented at 99<sup>th</sup> American Meteorological Society Annual Meeting (2019), January 2019, Phoenix, Arizona. [NASA Technical Reports Server link](#)
82. Using Wearable Devices for Assessing the Impacts of Hair Exposome in Brazil, R. De Vecchi, J. da Silveira Carvalho Ripper, D. Roy, L. Breton, A.G. Marciano, P.M.B. de Souza and M.P. Corrêa, *Scientific Reports* (2019) **9**, 13357. [Nature Link](#)
83. Relating High Ozone, Ultrafine Particles, and New Particle Formation Episodes Using Cluster Analysis, C. Carnereroab, N. Péreza, T. Petäjälä, T.M. Laurilac, L.R. Ahonenc, J. Kontkanenc, K.-H. Ahnd, A. Alastueya and X. Querola, *Atmospheric Environment X* (2019) **4**, 100051. [Science Direct](#)
84. Vertical Characteristics of Winter Ozone Distribution within the Boundary Layer in Shanghai Based on Hexacopter Unmanned Aerial Vehicle Platform, Q. Chen, D. Wang, X. Li, B. Li, R. Song, H. He and Z. Peng, *Sustainability* (2019) **11**(24), 7026. [MDPI Link](#)

Model 211 Scrubberless Ozone Monitor

85. Human Occupant Contribution to Secondary Aerosol Mass in the Indoor Environment, A.M. Avery, M.S. Waring and P.F. DeCarlo, *Environmental Science: Processes & Impacts* (2019) **21**, 1301-1312, doi:10.1039/C9EM00097F. [RSC Link](#)
86. Particulate Matter, Nitrogen Oxides, Ozone, and Select Volatile Organic Compounds during a Winter Sampling Period in Logan, Utah, USA, S. Mukerjee, L. Smith, R. Long, W. Lonneman, S. Kaushik, M. Colon, K. Oliver and D. Whitaker, *Journal of the Air & Waste Management Association* (2019) **69** (6), 778-788. [Taylor&Francis Link](#)
87. Time Series Analysis of Wintertime O<sub>3</sub> and NO<sub>x</sub> Formation Using Vector Autoregressions, D.A. Olson, T.P. Riedel, R. Long, J.H. Offenberg, M. Lewandowski and T.E. Kleindienst, *Atmospheric Environment* (2019) **218**, 116988. [Science Direct](#)

Ozone or NO<sub>x</sub> Monitor (Model not specified in paper)

88. Temperature- and Humidity-Dependent Phase States of Secondary Organic Aerosols, S.S. Petters, S.M. Kreidenweis, A.P. Grieshop, P.J. Ziemann and M.D. Petters, *Geophysical Research Letters* (2019) **46**(2), 1005-1013. [AGU Link](#)
89. Fabrication of AAO over Aluminum Mesh as an Effective Support for Catalytic Decomposition of Ozone, L. Duan, H. Liu, H. Wu, D. Yu and L. Huang, *Journal of Porous Materials* (2019) **26**, 855-860. [SpringerLink](#)
90. Volatile Organic Compounds and Ozone in Rocky Mountain National Park during FRAPPE, K.B. Benedict, Y. Zhou, B.C. Sive, A.J. Prenni, K.A. Gebhart, E.V. Fischer, A. Evanoski-Cole, A.P. Sullivan, S. Callahan, B.A. Schichtel, H. Mao, Y. Zhou and J.L. Collett Jr., *Atmospheric Chemistry and Physics* (2019) **19**, 499-521. [ACP Link](#)
91. Nitrogenous Air Pollutants and Ozone Exposure in the Central Sierra Nevada and White Mountains of California—Distribution and Evaluation of Ecological Risks, A. Bytnerowicz, M.E. Fenn, R. Cisneros, D. Schweizer, J. Burley and S.L. Schilling, *Science of the Total Environment* (2019) **654**, 604-615. [ScienceDirect](#)
92. Dynamic Changes in Optical and Chemical Properties of Tar Ball Aerosols by Atmospheric Photochemical Aging, C. Li, Q. He, J. Schade, J. Passig, R. Zimmermann, D. Meidan, A. Laskin and Y. Rudich, *Atmospheric Chemistry and Physics* (2019) **19**, 139-163. [ACP Link](#)

93. Mapping Unsaturation in Human Plasma Lipids by Data-Independent Ozone-Induced Dissociation, D.L. Marshall, A. Criscuolo, R.S.E. Young, B.L.J. Poad, M. Zeller, G.E. Reid, T.W. Mitchell and S.J. Blanksby, *Journal of the American Society for Mass Spectrometry* (2019) **30**, 1621-1630. [SpringerLink](#)
94. Synthesis and Applications of Nanomaterials with High Photocatalytic Activity on Air Purification, Y. Huang, W. Wang, Y. Zhang, J. Cao, R. Huang and X. Wang, Chapter 10 in *Novel Nanomaterials for Biomedical, Environmental and Energy Applications* (2019), a volume in *Micro and Nano Technologies*, edited by X. Wang and X. Chen, Elsevier, 299-325. [Science Direct](#)
95. Can Needle Nitrogen Content Explain the Interspecific Difference in Ozone Sensitivities of Photosynthesis between Japanese Larch (*Larix kaempferi*) and Sakhalin Fir (*Abies sachalinensis*)? T. Sugai, M. Kitao, T. Watanabe and T. Koike, *Photosynthetica* (2019) **57**, 540-547. [PS Link](#)
96. Residue Analysis of Nitric Oxide Fumigation in Nine Stored Grain and Nut Products, X. Yang and Y.-B. Liu, *Journal of Stored Products Research* (2019) **84**, 101521. [Science Direct](#)
97. Mechanistic Study of the Formation of Ring-Retaining and Ring-Opening Products from the Oxidation of Aromatic Compounds under Urban Atmospheric Conditions, A. Zaytsev, A.R. Koss, M. Breitenlechner, J.E. Krechmer, K.J. Nihill, C.Y. Lim, J.C. Rowe, J.L. Cox, J. Moss, J.R. Roscioli, M.R. Canagaratna, D.R. Worsnop, J.H. Kroll and F.N. Keutsch, *Atmospheric Chemistry and Physics* (2019) **19**, 15117-15129. [ACS Link](#)
98. The Effects of Elevated CO<sub>2</sub> and Elevated O<sub>3</sub> Exposure on Plant Growth, Yield and Quality of Grains of Two Wheat Cultivars Grown in North India, A. Yadav, A. Bhatia, S. Yadav, V. Kumar and B. Singh, *Heliyon* (2019) **5**, 8, e02317. [Science Direct](#)
99. Impact of Short-Term Traffic-Related Air Pollution on the Metabolome—Results from Two Metabolome-Wide Experimental Studies, K. van Veldhoven, A. Kiss, P. Keski-Rahkonen, N. Robinot, A. Scalbert, P. Cullinan, K.F. Chung, P. Collins, R. Sinharay, B.M. Barratt, M. Nieuwenhuijsen, A.A. Rodoreda, G. Carrasco-Turigas, J. Vlaanderen, R. Vermeulen, L. Portengen, S.A. Kyrtopoulos, E. Ponzi, M. Chadeau-Hyam and P. Vineis, *Environment International* (2019) **123**, 124-131. [ScienceDirect](#) [NO<sub>x</sub> monitor]
100. Novel Colorimetric Sensors with Extended Lifetime for Personal Exposure Monitoring, C. Lin, Ph.D. Thesis (2019), Arizona State University, 95 pp. [ASU Link](#)
101. Un Aéronef Urbain pour Explorer la Structure Verticale de la Pollution Atmosphérique, J.F. Doussin, *La Météorologie* (2019) **107**, pp.15-16, 10.4267/2042/70549. [HalScience](#)

#### Model 405 nm NO<sub>2</sub>/NO/NO<sub>x</sub> Monitor

102. HO<sub>x</sub> and NO<sub>x</sub> Production in Oxidation Flow Reactors via Photolysis of Isopropyl Nitrite, Isopropyl Nitrite-d<sub>7</sub>, and 1,3-Propyl Dinitrite at λ =254, 350, and 369 nm, A. Lambe, J. Krechmer, Z. Peng, J. Casar, A. Carrasquillo, J. Raff, J. Jimenez and D. Worsnop, *Atmospheric Measurement Techniques* (2019) **12**, 299-311. [AMT Link](#)
103. Data Driven Air Quality Prediction based on Mobile Measurement, E. Esatbeyoglu, A. Sass, O. Cassebaum and S. Schulze, *E3S Web of Conferences* (2019) **101**, 03001, doi:10.1051/e3sconf/201910103001. [Proquest Link](#)
104. Measuring the Building Envelope Penetration Factor for Ambient Nitrogen Oxides, H. Zhao, E.T. Gall and B. Stephens, *Environmental Science & Technology* (2019) **53**, 16, 9695-9704. [ACS Link](#)

#### Model 401/410 NO

105. MBBR-Nitrosation Process Performance and N<sub>2</sub>O Release Characteristics with Continuous/Intermittent Aeration Regimes, Z. Zhang, Y. Zhang, Q. Liu, C. Liu and Y. Wang, *China Environmental Science* (2019) **39**, 12, 5056-5062. [PDF in 2B Tech Archive](#) [410]

#### Model 306 Ozone Calibration Source

106. Dispersion of Carbon Nanotubes and Their Influence for Ozone Monitoring, S. Capula-Colindres, G. Terán, E. Torres-Santillan, L. Villa-Vargas and J.C. Velázquez, *Revista Mexicana de Ingeniería Química* (2019) **18** (1), 143-150. [RMIQ Link](#)
107. Tolerance of Ozone and Drought in Common waterhemp (*Amaranthus tuberculatus*), D.A. Grantz, R. Paudel, and A. Shrestha, *Journal of Crop Improvement* (2019) **33**, 236-253. [Taylor&Francis](#)
108. Dust Deposition on Textile and Its Evolution in Indoor Cultural Heritage, P. Uring, A. Chabas and S. Alfaro, *The European Physical Journal Plus* (2019) **134**, 255, <https://doi.org/10.1140/epjp/i2019-12671-5>. [SpringerLink](#)

109. Ozone Flux and Ozone Deposition in a Mountain Spruce Forest Are Modulated by Sky Conditions, S. Jurán, L. Šigut, P. Holub, S. Fares, K. Klem, J. Grace and O. Urban, *Science of The Total Environment* (2019) **672**, 296-304. [ScienceDirect](#)
110. pH-Dependent Production of Molecular Chlorine, Bromine, and Iodine from Frozen Saline Surfaces, J.W. Halfacre, P.B. Shepson and K.A. Pratt, *Atmospheric Chemistry and Physics* (2019) **19**, 4917-4931. [ACP Link](#)
111. Effects of Individual Ozone Exposure on Lung Function in the Elderly: A Cross-Sectional Study in China, J. Zhang, H. Sun, Q. Chen, J. Gu, Z. Ding and Y. Xu, *Environmental Science and Pollution Research* (2019) **26** (12), 11690-11695. [SpringerLink](#)

Multiple 2B Tech Instruments Used (models noted at end of citation)

112. Intercomparison of Lidar, Aircraft, and Surface Ozone Measurements in the San Joaquin Valley during the California Baseline Ozone Transport Study (CABOTS), A.O. Langford, R.J. Alvarez II, G. Kirgis, C.J. Senff, D. Capoti, S.A. Conley, I.C. Faloona, L.T. Iraci, J.E. Marrero, M.E. McNamara, J.-M. Ryoo, and E.L. Yates, *Atmospheric Measurement Techniques* (2019) **12**, 1889-1904. [AMT link](#) [Models 205+306]
113. Short-Term Exposure to Traffic-Related Air Pollution Reveals a Compound-Specific Circulating miRNA Profile Indicating Multiple Disease Risks, J. Krauskopf, K. van Veldhoven, M. Chadeau-Hyam, R. Vermeulen, G. Carrasco-Turigas, M. Nieuwenhuijsen, P. Vineis, T.M. de Kok, and J.C. Kleinjans, *Environment International* (2019) **128**, 193-200. [ScienceDirect](#) [Models 401+410]
114. A Method for Quantifying Near Range Point Source Induced O<sub>3</sub> Titration Events Using Co-located Lidar and Pandora Measurements, G. Gronoff, J. Robinson, T. Berkoff, R. Swap, B. Farris, J. Schroeder, H.S. Halliday, T. Knepp, E. Spinei, W. Carrion, E.E. Adcock, Z. Johns, D. Allen and M. Pippin, *Atmospheric Environment* (2019) **204**, 43-52. [Science Direct](#) [Models 202+POM]
115. Analysis of Indoor Particles and Gases and their Evolution with Natural Ventilation during the Air Composition and Reactivity from Outdoor and Indoor Mixing (ACRONIM) Field Campaign, C. Fortenberry, M. Walker, A. Dang, A. Loka, G. Date, K. Cysneiros de Carvalho, G. Morrison and B. Williams, *Indoor Air* (2019) **29**(5), 761-779. [Wiley Link](#) [Models 202+211]
116. Formation of Highly Oxidized Molecules from NO<sub>3</sub> Radical Initiated Oxidation of Δ-3-Carene: A Mechanistic Study, D.C. Draper, N. Myllys, N. Hyttinen, K.H. Møller, H.G. Kjaergaard, J.L. Fry, J.N. Smith and T. Kurtén, *ACS Earth and Space Chemistry* (2019), **3**(8), 1460-1470, doi:10.1021/acsearthspacechem.9b00143. [ACS Link](#) [Models 106L+405]
117. Characterization of Ozone Production in San Antonio, Texas, Using Measurements of Total Peroxy Radicals, D.C. Anderson, J. Pavelec, C. Daube, S.C. Herndon, W.B. Knighton, B.M. Lerner, J.R. Roscioli, T.I. Yacovitch and E.C. Wood, *Atmospheric Chemistry and Physics* (2019) **19**, 2845-2860. [ACP Link](#) [Models 205+306]
118. Global Ozone (GO3) Project and AQTreks: Use of Evolving Technologies by Students and Citizen Scientists to Monitor Air Pollutants, J.A. Ellenburg, C.J. Williford, S.L. Rodriguez, P.C. Andersen, A.A. Turnipseed, C.A. Ennis, K.A. Basman, J.M. Hatz, J.C. Prince, D.H. Meyers, D.J. Kopala, M.J. Samon, K.J. Jaspers, B.J. Lanham, B.J. Carpenter and J.W. Birks, *Atmospheric Environment: X* (2019) **4**, 100048. [Science Direct](#) [Models PAM and CAM]
119. Vertical Profiles of Ozone Concentration Collected by an Unmanned Aerial Vehicle and the Mixing of the Nighttime Boundary Layer over an Amazonian Urban Area, P. Guimarães, J. Ye, C. Batista, R. Barbosa, I. Ribeiro, A. Medeiros, R. Souza and S.T. Martin, *Atmosphere* (2019) **10**, 599, <https://doi.org/10.3390/atmos10100599>. [Models POM+306]
120. Solar-Powered Air Quality Monitor Applied under Subtropical Conditions in Hong Kong: Performance Evaluation and Application for Pollution Source Tracking, P. Wei, Z. Ning, D. Westerdahl, Y.F. Lam, P.K.K. Louie, R. Sharpe, R. Williams and G. Hagler, *Atmospheric Environment* (2019) **214**, 116825. [Science Direct](#) [Models OEM-106L and 306]
121. Novel Image-Based Methods for Quantitative Real Time Environmental Monitoring, Z. Du, Ph.D. Thesis (2019), Arizona State University, 103pp. [ProQuest](#) [306+ozone monitor]
122. Three-Dimensional Observation of Atmospheric Processes in Cities, D. Scherer, F. Ament, S. Emeis, U. Fehrenbach, B. Leitl, K. Scherber, C. Schneider and U. Vogt, *Meteorologische Zeitschrift (Contributions to Atmospheric Sciences)* (2019) **28**, 2, 121-138. [ResearchGate Link](#) [202+205+405]

## 2018

1. Effect of Ozone Injection on the Long-Term Performance and Microbial Community Structure of a VOCs Biofilter, P. Saingam, Z. Baig, Y. Xu and J. Xi, *Journal of Environmental Sciences* (2018) **69**, 133-140. [ScienceDirect](#)
2. A Multi-Year Data Set on Aerosol-Cloud-Precipitation-Meteorology Interactions for Marine Stratocumulus Clouds, A. Sorooshian, A.B. MacDonald, H. Dadashazar, K.H. Bates, M.M. Coggon, J.S. Craven, E. Crosbie, S.P. Hersey, N. Hodas, J.J. Lin, A.Negrón Marty, L.C. Maudlin, A.R. Metcalf, S.M. Murphy, L.T. Padró, G. Prabhakar, T.A. Rissman, T. Shingler, V. Varutbangkul, Z. Wang, R.K. Woods, P.Y. Chuang, A. Nenes, H.H. Jonsson, R.C. Flagan and J.H. Seinfeld, *Scientific Data* (2018), **5**:180026, doi:10.1038/sdata.2018.26, 13pp. [ScientificData](#)
3. Ameliorating Effects of Leaf Water Extract of Three Aromatic Plant Species on Ozone-Polluted Snap Bean (*Phaseolus vulgaris* L. 'Jiangjunyoudou'), Y.J. Chen, M.X. Wen, J.X. Sui, Y.Q. Yan, W. Yuan, L. Hong and L. Zhang, *Bulletin of Environmental Contamination and Toxicology* (2018) **100** (6), 849-855. [SpringerLink](#)
4. Ozone Risk Assessment in Three Oak Species as Affected by Soil Water Availability, Y. Hoshika, B. Moura and E. Paoletti, *Environmental Science and Pollution Research* (2018), **25** (9), 8125-8136. [SpringerLink](#)
5. Protecting the Photosynthetic Performance of Snap Bean under Free Air Ozone Exposure, L. Zhang, Y. Hoshika, E. Carrari, K.O. Burkey and E. Paoletti, *Journal of Environmental Sciences* (2018) **66**, 31-40. [ScienceDirect](#)
6. Ambient Aerosol Increases Minimum Leaf Conductance and Alters the Aperture-Flux Relationship as Stomata Respond to Vapor Pressure Deficit (VPD), D.A. Grantz, D. Zinsmeister and J. Burkhardt, *New Phytologist* (2018) **219**: 275-286. [WileyOnline](#)
7. The Effect of Ozone and Drought on the Photosynthetic Performance of Canola, B.G. Maliba, P.M. Inbaraj and J.M. Berner, *Journal of Integrative Agriculture* (2018) **17** (5), 1137-1144. [ScienceDirect](#)
8. Ozone from Fireworks: Chemical Processes or Measurement Interference?, Z. Xu, W. Nie, X. Chi, X. Huang, L. Zheng, Z. Xu, J. Wang, Y. Xie, X. Qi, X. Wang, L. Xue and A. Ding, *Science of the Total Environment* (2018) **633**, 1007-1011. [ScienceDirect](#)
9. Nitric Oxide Alleviates Wheat Yield Reduction by Protecting Photosynthetic System from Oxidation of Ozone Pollution, C. Li, Y. Song, L. Guo, X. Gu, M.A. Muminov and T. Wang, *Environmental Pollution* (2018) **236**, 296-303. [ScienceDirect](#)
10. Formation Mechanism of Secondary Organic Aerosol from Ozonolysis of Gasoline Vehicle Exhaust, B. Yang, P. Ma, J. Shu, P. Zhang, J. Huang and H. Zhang, *Environmental Pollution* (2018) **234**, 960-968. [ScienceDirect](#)
11. Performance of Sorption- and Photocatalytic Oxidation-Based Indoor Passive Panel Technologies, M.S. Zuraimi, R.J. Magee, D.Y. Won, G. Nong, C.D. Arsenault, W. Yang, S. So, G. Nilsson, L. Abebe and C. Alliston, *Building and Environment* (2018) **135**, 85-93. [ScienceDirect](#)
12. Folded Tubular Photometer for Atmospheric Measurements of NO<sub>2</sub> and NO, J.W. Birks, P.C. Andersen, C.J. Williford, A.A. Turnipseed, S.E. Strunk, C.A. Ennis and E. Mattson, *Atmospheric Measurement Techniques* (2018) **11** (5), 2821-2835. [ProQuest](#)
13. Heterogeneous Oxidation of Particulate Methanesulfonic Acid by the Hydroxyl Radical: Kinetics and Atmospheric Implications, E.L. Mungall, J.P.S. Wong and J.P.D. Abbatt, *ACS Earth and Space Chemistry* (2018) **2**, 48-55. [ACS Link](#)
14. Exposure- and Flux-Based Assessment of Ozone Risk to Sugarcane Plants, B. Baêsso Moura, Y. Hoshika, R. Vasconcelos Ribeiro and E. Paoletti, *Atmospheric Environment* (2018) **176**, 252-260. [ScienceDirect](#)
15. A Machine Learning Calibration Model Using Random Forests to Improve Sensor Performance for Lower-Cost Air Quality Monitoring, N. Zimmerman, A.A. Presto, S.P.N. Kumar, J. Gu, A. Haurlyuk, E.S. Robinson, A.L. Robinson and R. Subramanian, *Atmospheric Measurement Techniques* (2018) **11**, 1, 291-313. [AMT Link](#)
16. Online Ozonolysis Combined with Ion Mobility-Mass Spectrometry Provides a New Platform for Lipid Isomer Analyses, B.L.J. Poad, X. Zheng, T.W. Mitchell, R.D. Smith, E.S. Baker and S.J. Blanksby, *Analytical Chemistry* (2018) **90**, 1292-1300. [ACS Link](#)
17. The Environment Canada PAN and PARPAN American Science Showcase Project, P. Joe, S. Belair, V. Bouchet, J.R. Brook, D. Brunet, W. Burrows, J.-P. Charland, A. Dehghan, N. Briedger, C. Cuhaime, G. Evans, A.-B. Filion, R. Frenette, J. de Grandpré, I. Gultepe, D. Henderson, A. Herdt, N. Hilker, L. Huang, E. Hung, G. Isaac, C.-H. Jeong, D. Johnston, J. Klaassen, S. Leroyer, H. Lin, M. MacDonald, J. MacPhee, Z. Mariani, T. Munoz, J. Reid, A. Robichaud, Y. Rochon, K. Shairsingh, D. Sills, L. Spacek, C. Stroud, Y. Su, N. Taylor, J. Vanos, J. Voogt, J.M. Wang, T. Wiechers, S. Wren, H. Yang and T. Yip, *Bulletin of the American Meteorological Society* (2018) **99**, 921-953. [AMSONline](#)

18. Evaluation of Low-Cost Electro-Chemical Sensors for Environmental Monitoring of Ozone, Nitrogen Dioxide, and Carbon Monoxide, N. Afshar-Mohajer, C. Zuidema, S. Sousan, L. Hallett, M. Tatum, A.M. Rule, G. Thomas, T.M. Peters and K. Koehler, *Journal of Occupational and Environmental Hygiene* (2018), **15** (2), 87-98. [Taylor&Francis](#)
19. Pilot Study of the Vertical Variations in Outdoor Pollutant Concentrations and Environmental Conditions Along the Height of a Tall Building, P. Azimi, H. Zhao, T. Fazli, D. Zhao, A. Faramarzi, L. Leung and B. Stephens, *Building and Environment* (2018) **138**, 124-134. [ScienceDirect](#)
20. Post-Plasma-Catalytic Removal of Toluene Using MnO<sub>2</sub>-Co<sub>3</sub>O<sub>4</sub> Catalysts and Their Synergistic Mechanism, T. Chang, Z. Shen, Y. Huang, J. Lu, D. Ren, J. Sun, J. Cao and H. Liu, *Chemical Engineering Journal* (2018) **348**, 15-25. [ScienceDirect](#)
21. Facile Solution Synthesis of Cu<sub>2</sub>O-CuO-Cu(OH)<sub>2</sub> Hierarchical Nanostructures for Effective Catalytic Ozone Decomposition, S. Gong, X. Wu, J. Zhang, N. Han and Y. Chen, *CrystEngComm* (2018) **22**, doi:10.1039/c8ce00203g. [CrystEngComm](#)
22. In-Situ Synthesis of Cu<sub>2</sub>O/Reduced Graphene Oxide Composite as Effective Catalyst for Ozone Decomposition, S. Gong, J. Chen, X. Wu, N. Han and Y. Chen, *Catalysis Communications* (2018) **106**, 25-29. [ScienceDirect](#)
23. Testing a Ratio of Photosynthesis to O<sub>3</sub> Uptake as an Index for Assessing O<sub>3</sub>-Induced Foliar Visible Injury in Poplar Trees, Y. Hoshika, E. Carrari, L. Zhang, G. Carriero, S. Pignatelli, G. Fasano, A. Materassi and E. Paoletti, *Environmental Science and Pollution Research* (2018) **25**, 8113-8124. [SpringerLink](#)
24. Effects of BTEX on the Removal of Acetone in a Coaxial Non-Thermal Plasma Reactor: Role Analysis of the Methyl Group, L. Hou, X. Li, D. Xie and H. Wang, *Molecules* (2018) **23** (4), 890-904, doi:10.3390/molecules23040890. [MDPI link](#)
25. Small-Scale Variations in Ozone Concentration in Low Mountains, I. Kanda and S. Wakamatsu, *Atmospheric Environment* (2018) **184**, 98-109. [ScienceDirect](#)
26. Gradient-Based Colorimetric Sensors for Continuous Gas Monitoring, C. Lin, Y. Zhu, J. Yu, X. Qin, X. Xian, F. Tsow, E.S. Forzani, D. Wang and N. Tao, *Analytical Chemistry* (2018) **90**, 537505380. [ACS Link](#)
27. Estimation of Personal Ozone Exposure Using Ambient Concentrations and Influencing Factors, Y. Niu, J. Cai, Y. Xia, H. Yu, R. Chen, Z. Lin, C. Liu, C. Chen, W. Wang, L. Peng, X. Xia, Q. Fu and H. Kan, *Environment International* (2018) **117**, 237-242. [ScienceDirect](#)
28. Accuracy and Practicality of a Portable Ozone Monitor for Personal Exposure Estimates, J.A. Sagona, C.P. Weisel and Q. Meng, *Atmospheric Environment* (2018) **175**, 120-126. [ScienceDirect](#)
29. Ameliorating Effects of Three Kinds of Antioxidants to Ozone-Polluted Painted Nettle (*Coleus blumei* Benth.), L. Zhang, L.L. Jia, J.X. Sui, M.X. Wen and Y.J. Chen, *Photosynthetica* (2018) **56** (2), 623-632. [SpringerLink](#)
30. Ozone-Enhanced Deep Catalytic Oxidation of Toluene over a Platinum-Ceria-Supported BEA Zeolite Catalyst, H. Xiao, J. Wu, X. Wang, J. Wang, S. Mo, M. Fu, L. Chen and D. Ye, *Molecular Catalysis* (2018) **260**, 7-15. [ScienceDirect](#)
31. Characterization of Air Pollutant Concentrations, Fleet Emission Factors, and Dispersion Near a North Carolina Interstate Freeway across Two Seasons, P.K. Saha, A. Khlystov, M.G. Snyder and A.P. Grieshop, *Atmospheric Environment* (2018) **177**, 143-153. [ScienceDirect](#)
32. Cool Diffusion Flames of Butane Isomers Activated by Ozone in the Counterflow, A. Alfazazi, A. Al-Omier, A. Secco, H. Selim, Y. Ju and S. Mani Sarathy, *Combustion and Flame* (2018) **191**, 175-186. [ScienceDirect](#)
33. Vertically-Oriented Graphenes Supported Mn<sub>3</sub>O<sub>4</sub> as Advanced Catalysts in Post Plasma-Catalysis for Toluene Decomposition, Z. Bo, H. Hao, S. Yang, J. Zhu, J. Yan and K. Cen, *Applied Surface Science* (2018) **436**, 570-578. [ScienceDirect](#)
34. A Facile VUV/H<sub>2</sub>O System without Auxiliary Substances for Efficient Degradation of Gaseous Toluene, Y. Zhan, J. Ji, H. Huang, M. He, D.Y.C. Leung, S. Liu, Y. Shu, Q. Feng, R. Xie, R. Fang and X. Ye, *Chemical Engineering Journal* (2018) **334**, 1422-1429. [ScienceDirect](#)
35. Direct Measurement of NO<sub>3</sub> Radical Reactivity in a Boreal Forest, J. Liebmann, E. Karu, N. Sobanski, J. Schuladen, M. Ehn, S. Schallhart, L. Quéléver, H. Hellen, H. Hakola, T. Hoffmann, J. Williams, H. Fischer, J. Lelieveld and J.N. Crowley, *Atmospheric Chemistry and Physics* (2018) **18**, 3799-3815. [ACP Link](#)
36. A Composite Purification Material Research of Indoor Purification for Particulate Matter and Gas Pollutants, R. Chen, J. Liu and J. Pei, COBEE 2018, Proceedings of the 4<sup>th</sup> International Conference on Building Energy & Environment, 5-9 February 2018, Melbourne, Australia, paper 095, ISBN: 978-0-646-98213-7, 269-274. [COBEE Link](#)

37. Sources and Physicochemical Characteristics of Black Carbon Aerosol from the Southeastern Tibetan Plateau: Internal Mixing Enhances Light Absorption, Q. Wang, J. Cao, Y. Han, J. Tian, C. Zhu, Y. Zhang, N. Zhang, Z. Shen, H. Ni, S. Zhao and J. Wu, *Atmospheric Chemistry and Physics* (2018) **18**, 4639-4656. [ACP Link](#)
38. Portable Ozone Calibration Source Independent of Changes in Temperature, Pressure and Humidity for Research and Regulatory Applications, J.W. Birks, C.J. Williford, P.C. Andersen, A.A. Turnipseed, S. Strunk and C.A. Ennis, *Atmospheric Measurement Techniques* (2018) **11**, 4797-4807. [AMT Link](#)
39. ACT-America: L3 Merged In Situ Atmospheric Trace Gases and Flask Data, Eastern USA, K.J. Davis, M.D. Obland, B. Lin, T. Lauvaux, C. O'dell, B. Meadows, E.V. Browell, J.H. Crawford, J.P. Digangi, C. Sweeney, M.J. McGill, J. Dobler, J.D. Barrick and A.R. Nehrir, Oak Ridge National Laboratory, Distributed Active Archive Center (ORNL DAAC), Oak Ridge, Tennessee, USA (2018) [dataset], <https://doi.org/10.3334/ORNLDAAC/1593>.
40. Short-Term Transcriptome and MicroRNAs Responses to Exposure to Different Air Pollutants in Two Population Studies, A. Espín-Pérez, J. Krauskopf, M. Chadeau-Hyam, K. van Veldhoven, F. Chung, P. Cullinan, J. Piepers, M. van Herwijnen, N. Kubesch, G. Carrasco-Turigas, M. Nieuwenhuijsen, P. Vineis, J.C.S. Kleinjans and T.M.C.M. de Kok, *Environmental Pollution* (2018) **242 (A)**, 182-190. [ScienceDirect](#)
41. Airborne Data Visualizer, Oak Ridge National Laboratory, Distributed Active Archive Center (ORNL DAAC), Oak Ridge, Tennessee, USA (2018) [dataset documentation], <https://doi.org/10.3334/ORNLDAAC/1585>
42. Top-Down Estimates of NO<sub>x</sub> and CO Emissions from Washington, D.C.-Baltimore During the WINTER Campaign, O.E. Salmon, P.B. Shepson, X. Ren, H. He, D.L. Hall, R.R. Dickerson, B.H. Stirr, S.S. Brown, D.L. Fibiger, E.E. McDuffie, T.L. Campos, K.R. Gurney and J.A. Thornton, *Journal of Geophysical Research-Atmospheres* (2018) **123 (14)**, 7705-7724. [AGU Link](#)
43. A Systemic Approach to Identify Signaling Pathways Activated during Short-Term Exposure to Traffic-Related Urban Air Pollution from Human Blood, J.E. Vargas, N. Kubesch, C. Hernández-Ferrer, G. Carrasco-Turigas, M. Bustamante, M. Nieuwenhuijsen and J.R. Gonzalez, *Environmental Science and Pollution Research* (2018) **25 (29)**, 29572-29583. [SpringerLink](#)
44. Advanced Technologies for Wastewater Treatment by Ozonation – A Review, B. ST. Zăbavă, Gh. Voicu, N. Ungureanu, M. Dincă, M. Ferdes and V. Vlăduț, Proceedings of the ISB-INMA-TEH 2018 International Symposium (2018), 1-3 November 2018, Bucharest, Romania, 603-608. [PDF at 2B Tech Archive](#)
45. Experimental Study on Air Decomposition By-Product Under Creepage Discharge Fault and Their Impact on Insulating Materials, H. Javed, K. Li, G. Zhang and A. Traian Plesca, *Electric Power and Energy Conversion Systems (EPECS) 2018 5th International Conference* (2018), 23-25 April 2018, Kitakyushu, Japan, doi:10.1109/EPECS.2018.8443491, 7 pp. [IEEE Link](#)
46. NO<sub>x</sub> Instrument Intercomparison for Laboratory Biomass Burning Source Studies and Urban Ambient Measurements in Albuquerque, New Mexico, C. Allen, C.M. Carrico, S.L. Gomez, P.C. Andersen, A.A. Turnipseed, C.J. Williford, J.W. Birks, D. Salisbury, R. Carrion, D. Gates, F. Macias, T. Rahn, A.C. Aiken and M.K. Dubey, *Journal of the Air & Waste Management Association* (2018) **68**, 11, 1175-1189. [Taylor&Francis Link](#)
47. Structural Manipulation of Manganese Oxides for Enhanced Catalytic Decomposition of Ozone, J. Ji, S. Liu, Y. Yu and H. Huang, 8<sup>th</sup> Tokyo Conference on Advanced Catalytic Science and Technology (TOCAT8), 5-10 August 2018, Yokohama, Japan, OC509, 2 pp. [TOCAT8 Link](#)
48. Facile Synthesis of Amorphous Mesoporous Manganese Oxides for Efficient Catalytic Decomposition of Ozone, S. Liu, J. Ji, Y. Yu and H. Huang, *Catalysis Science & Technology* (2018) **8**, 4264-4273. [RSC Link](#)
49. Influence of Relative Humidity on the Heterogeneous Oxidation of Secondary Organic Aerosol, Z. Li, K.A. Smith and C.D. Cappa, *Atmospheric Chemistry and Physics* (2018) **18**, 14585-14608. [ACP Link](#)
50. Effects of Personal Short-Term Exposure to Ambient Ozone on Blood Pressure and Vascular Endothelial Function: A Mechanistic Study Based on DNA Methylation and Metabolomics, Y. Xia, Y. Niu, J. Cai, Z. Lin, C. Liu, H. Li, C. Chen, W. Song, Z. Zhao, R. Chen and H. Kan, *Environmental Science & Technology* (2018) **52 (21)**, 12774-12782. [ACS Link](#)
51. Evolution in the Reactivity of Citric Acid toward Heterogeneous Oxidation by Gas-Phase OH Radicals, M. M. Chim, C.Y. Lim, J.H. Kroll and M.N. Chan, *ACS Earth and Space Chemistry* (2018) **2**, 1323-1329. [ACS Link](#)
52. Personal Ozone Exposure and Respiratory Inflammatory Response: The Role of DNA Methylation in the Arginase–Nitric Oxide Synthase Pathway, Y. Niu, R. Chen, Y. Xia, J. Cai, Z. Lin, C. Liu, C. Chen, L. Peng, Z. Zhao, W. Zhou, J. Chen and H. Kan, *Environmental Science & Technology* (2018) **52**, 8785-8791. [ACS Link](#)
53. Health Damages from Indoor Air Pollution Quantified Using a Novel Office Building Diagnosis Methodology, H.-C. Wang and C.-H. Tseng, *Environmental Engineering and Management Journal* (2018) **17 (9)**, 2061-2069. [EBSCO Link](#)

54. Analysis of Spatial and Temporal Patterns of On-Road NO<sub>2</sub> Concentrations in Hong Kong, Y. Zhu, K.L. Chan, Y.F. Lam, M. Horbanski, D. Pöhler, J. Boll, I. Lipkowitzsch, S. Ye and M. Wenig, *Atmospheric Measurement Techniques* (2018) **11**, 6719-6734. [AMT Link](#)
55. Effects of Nitrogen and Phosphorus Imbalance on Photosynthetic Traits of Poplar Oxford Clone under Ozone Pollution, L. Zhang, Y. Hoshika, E. Carrari, L. Cotrozzi, E. Pellegrini and E. Paoletti, *Journal of Plant Research* (2018) **131** (6), 915-924. [SpringerLink](#)
56. Impact of Ozonation Process of Wheat Flour on the Activity of Selected Enzymes, T. Piechowiak, R. Jozefczyk and M. Balawejder, *Journal of Cereal Science* (2018) **84**, 30-37. [ScienceDirect](#)
57. Contribution of Indoor- and Outdoor-Generated Fine and Coarse Particles to Indoor Air in Taiwanese Hospitals, C.-C. Jung, P.-C. Wu, C.-H. Tseng, C.C.K. Chou and H.-J. Su, *Aerosol and Air Quality Research* (2018) **18**, 3234-3242. [AAQR Link](#)
58. Testing and Evaluation of a New Airborne System for Continuous N<sub>2</sub>O, CO<sub>2</sub>, CO, and H<sub>2</sub>O Measurements: The Frequent Calibration High-performance Airborne Observation System (FCHAOS), A. Gvakharia, E.A. Kort, M.L. Smith and S. Conley, *Atmospheric Measurement Techniques* (2018) **11**, 6059-6074. [AMT Link](#)
59. Tuning the K<sup>+</sup> Concentration in the Tunnels of α-MnO<sub>2</sub> to Increase the Content of Oxygen Vacancy for Ozone Elimination, G. Zhu, J. Zhu, W. Li, W. Yao, R. Zong, Y. Zhu and Q. Zhang, *Environmental Science & Technology* (2018) **52**, 8684-8692. [ACS Link](#)
60. Evaluation of Nonthermal Plasma Treatment by Measurement of Stored Citrus Properties, Y. Seo, J.-R. Park and H.M. Park, *Journal of Biosystems Engineering* (2018) **43** (4), 401-409. [JournalLink](#)
61. Tropospheric Ozone Reduced Resistance of Japonica Rice (*Oryza sativa* L., cv. Koshihikari) to Lodging, M. Yamaguchi, Y. Nishi, S. Kawada and K. Nakashima, *Journal of Agricultural Meteorology* (2018) **74** (3), 97-101. [J-Stage Link](#)
62. Physical and Chemical Characterization of Aerosol in Fresh and Aged Emissions from Open Combustion of Biomass Fuels, C. Bhattarai, V. Samburova, D. Sengupta, M. Iaukea-Lum, A.C. Watts, H. Moosmüller and A. Y. Khlystov, *Aerosol Science and Technology* (2018) **52** (11), 1266-1282. [Taylor&Francis Link](#)
63. Cascading Effects of Elevated Ozone on Wheat Rhizosphere Microbial Communities Depend on Temperature and Cultivar Sensitivity, F. Changey, M. Bagard, M. Souleymane and T.Z. Lerch, *Environmental Pollution* (2018) **242A**, 113-125. [Science Direct](#)
64. The Passion Fruit Liana (*Passiflora edulis* Sims, Passifloraceae) is Tolerant to Ozone, F.F. Fernandes, M.P. Esposito, M.R.G. da Silva Engela, P. Cardoso-Gustavson, C.M. Furlan, Y. Hoshika, E. Carrari, G. Magni, M. Domingos and E. Paoletti, *Science of the Total Environment* (2018) **656**, 1091-1101. [ScienceDirect](#)
65. Enzyme Activity Modification in Adult Beetles (*Agelastica coerulea*) Inhabiting Birch Trees in an Ozone-Enriched Atmosphere, S.A. A. EIEla, E. Agathokleous, N.A. Ghazawy, T.R. Amin, W.M. ElSayed and T. Koike, *Environmental Science and Pollution Research* (2018) **25** (32), 32675-32683. [SpringerLink](#)
66. Seasonal and Geographical Variability of Nitryl Chloride and Its Precursors in Northern Europe, R. Sommariva, L.D.J. Hollis, T. Sherwen, A.R. Baker, S.M. Ball, B.J. Bandy, T.G. Bell, M.N. Chowdhury, R.L. Cordell, M.J. Evans, J.D. Lee, C. Reed, C.E. Reeves, J.M. Roberts, M. Yang and P.S. Monks, *Atmospheric Science Letters* (2019) **19** (8), doi:10.1002/asl.844. [WileyLink](#)
67. Coordinated Profiling of Stratospheric Intrusions and Transported Pollution by the Tropospheric Ozone Lidar Network (TOLNet) and NASA Alpha Jet Experiment (AJAX): Observations and Comparison to HYSPLIT, RAQMS, and FLEXPART, A.O. Langford, R.J. Alvarez II, J. Brioude, S. Evan, L.T. Iraci, G. Kirgis, S. Kuang, T. Leblanc, M.J. Newchurch, R.B. Pierce, C.J. Senff and E.L. Yates, *Atmospheric Environment* (2018) **174**, 1-14. [ScienceDirect](#)
68. Inactivation of *Pseudomonas aeruginosa* and Methicillin-Resistant *Staphylococcus aureus* in an Open Water System with Ozone Generated by a Compact, Atmospheric DBD Plasma Reactor, B. Choudhury, S. Portugal, N. Mastanaiah, J.A. Johnson and S. Roy, *Scientific Reports* (2018) **8**, 17573. [NatureLink](#)
69. Quantifying Variation in Occupational Air Pollution Exposure within a Small Metropolitan Region of Brazil, W. Pattinson, A.C. Targino, M.D. Gibson, P. Krecl, Y. Cipoli and V. Sá, *Atmospheric Environment* (2018) **182**, 138-154. [ScienceDirect](#)
70. Performance of Personal Electrostatic Bioaerosol Sampler (PEBS) When Collecting Airborne Microorganisms, T.T. Han, N.M. Thomas and G. Mainelis, *Journal of Aerosol Science* (2018) **124**, 54-67. [ScienceDirect](#)
71. Degradation of Petroleum Hydrocarbons in Seawater by Simulated Surface-Level Atmospheric Ozone: Reaction Kinetics and Effect of Oil Dispersant, H. Ji, Y. Gong, J. Duan, D. Zhao and W. Liu, *Marine Pollution Bulletin* (2018) **135**, 427-440. [ScienceDirect](#)
72. The Fate of Nitrogen Through Algal Treatment of Landfill Leachate, K.D. Sniffen, C.M. Sales and M.S. Olson, *Algal Research* (2018) **30**, 50-58. [ScienceDirect](#)

73. Ventilation and Air Quality in Student Dormitories in China: A Case Study during Summer in Nanjing, Z. Yang, J. Shen and Z. Gao, *International Journal of Environmental Research and Public Health* (2018) **15**, 1328. [MDPI Link](#)
74. Measuring the Efficacy of HVAC Particle Filtration over a Range of Ventilation Rates in an Office Building, T. Ben-David, S. Wang, A. Rakes and M.S. Waring, *Building and Environment* (2018) **144**, 648-656. [ScienceDirect](#)
75. Atmospheric Dynamics and Ozone Cycle during Sea Breeze in a Mediterranean Complex Urbanized Coastal Site, S. Finardi, G. Agrillo, R. Baraldi, G. Calori, P. Carlucci, P. Ciccioli, A. D'Allura, D. Gasbarra, B. Gioli, V. Magliulo, P. Radice, P. Toscano and A. Zaldei, *Journal of Applied Meteorology and Climatology* (2018) **57**, 1083-1099. [AMS Link](#)
76. Oxygen Vacancies Induced by Transition Metal Doping in  $\gamma$ -MnO<sub>2</sub> for Highly Efficient Ozone Decomposition, X. Li, J. Ma, L. Yang, G. He, C. Zhang, R. Zhang and H. He, *Environmental Science & Technology* (2018) **52**, 12685-12696. [ACS Link](#)
77. Local Real-Time Forecasting of Ozone Exposure Using Temperature Data, X. Lu, A.E. Gelfand and D.M. Holland, *Environmetrics* (2018) **29** (7), e2509. [Wiley Link](#)
78. Ozone Risk Assessment is Affected by Nutrient Availability: Evidence from a Simulation Experiment under Free Air Controlled Exposure (FACE), L. Zhang, Y. Hoshika, E. Carrari, O. Badea and E. Paoletti, *Environmental Pollution* (2018) **238**, 812-822. [ScienceDirect](#)
79. An Assessment of Stratospheric Intrusions in Italian Mountain Regions Using STEFLUX, P. Cristofanelli, P. Di Carlo, E. Aruffo, F. Apadula, M. Bencardino, F. D'Amore, P. Bonasoni and D. Putero, *Atmosphere* (2018) **9**, 413, doi:10.3390/atmos9100413. [MDPI Link](#)
80. Ozonation of Adzuki Beans (*Vigna angularis*): Effect on the Hydration Kinetics, Phenolic Compounds and Antioxidant Capacity, A.P.S. Alexandre, A.C. Miano, T.R.S. Brandão, F.A. Miller, J.F. Fundo, M.A. Calori-Domingues, C.L.M. Silva and P.E.D. Augusto, *Food Process Engineering* (2018) **41** (8), e12893. [Wiley Link](#)
81. Impact of Biomass Burning and Vertical Mixing of Residual-Layer Aged Plumes on Ozone in the Yangtze River Delta, China: A Tethered-Balloon Measurement and Modeling Study of a Multiday Ozone Episode, Z. Xu, X. Huang, W. Nie, Y. Shen, L. Zheng, Y. Xie, T. Wang, K. Ding, L. Liu, D. Zhou, X. Qi and A. Ding, *Journal of Geophysical Research-Atmospheres* (2018) **123** (20), 11786-11803. [JGR Link](#)
82. Ozone Removal Efficiency and Surface Analysis of Green and White Roof HVAC Filters, O.A. Abbass, D.J. Sailor and E.T. Gall, *Building and Environment* (2018) **136**, 118-127. [ScienceDirect](#)
83. In-Situ Fabrication and Catalytic Performance of Co-Mn@CuO Core-Shell Nanowires on Copper Meshes/Foams, L. Huang, N. Zheng, D. Yu, M. Yaseen, L. Duan, W. Jiang and L. Shi, *Materials and Design* (2018) **147**, 182-190. [ScienceDirect](#)
84. A Pilot Study on the Disinfection Efficacy of Localized UV on the Flushing-Generated Spread of Pathogens, A.C.K. Lai, S.S. Nunayon, T.F. Tan and W.S. Li, *Journal of Hazardous Materials* (2018) **358**, 389-396. [ScienceDirect](#)
85. Photosynthetic Activity in Relation to a Gradient of Leaf Nitrogen Content within a Canopy of Siebold's Beech and Japanese Oak Saplings under Elevated Ozone, M. Watanabe, Y. Hoshika, N. Inada and T. Koike, *Science of the Total Environment* (2018) **636**, 1455-1462. [ScienceDirect](#)
86. Characterization of Secondary Organic Aerosol from Photo-Oxidation of Gasoline Exhaust and Specific Sources of Major Components, P. Ma, P. Zhang, J. Shu, B. Yang and H. Zhang, *Environmental Pollution* (2018) **232**, 65-72. [ScienceDirect](#)
87. Fast Particulate Nitrate Formation via N<sub>2</sub>O<sub>5</sub> Uptake Aloft in Winter in Beijing, H. Wang, K. Lu, X. Chen, Q. Zhu, Z. Wu, Y. Wu and K. Sun, *Atmospheric Chemistry and Physics* (2018) **18**, 10483-10495. [ACP Link](#)
88. Hydrogen Sulfide Enhances Poplar Tolerance to High-Temperature Stress by Increasing S-Nitrosoglutathione Reductase (GSNOR) Activity and Reducing Reactive Oxygen/Nitrogen Damage, T. Cheng, J. Shi, Y. Dong, Y. Ma, Y. Peng, X. Hu and J. Chen, *Plant Growth Regulation* (2018) **84** (1), 11-23. [SpringerLink](#)
89. Caveats and Technical Challenges in Performance Evaluation of Activated Carbon (AC) and non-AC Filtration for NO<sub>2</sub> Abatement Toward Energy-Efficient and Healthy Ventilation, K.H. Han, J.S. Zhang and B. Guo, *Journal of Hazardous Materials* (2018) **360**, 560-570. [ScienceDirect](#)
90. CO<sub>2</sub> and Carbon Emissions from Cities: Linkages to Air Quality, Socioeconomic Activity, and Stakeholders in the Salt Lake City Urban Area, J.C. Lin, L. Mitchell, E. Crosman, D.L. Mendoza, M. Buchert, R. Bares, B. Fasoli, D.R. Bowling, D. Pataki, D. Catharine, C. Strong, K.R. Gurney, R. Patarasuk, M. Baasandorj, A. Jacques, S. Hoch, J. Horel and J. Ehleringer, *Bulletin of the American Meteorological Society* (2018), **99** (11), 2325-2339. [AMS Link](#)

91. Regeneration and Purification of Water-Soluble Cutting Fluid through Ozone Treatment Using an Air Dielectric Barrier Discharge, S. Ma, K. Kim, J. Huh, D.E. Kim, S. Lee and Y. Hong, *Separation and Purification Technology* (2018) **199**, 289-297. [ScienceDirect](#)
92. Optimization and Evaluation of Multi-Bed Adsorbent Tube Method in Collection of Volatile Organic Compounds, S.S.H. Ho, L. Wang, J.C. Chow, J.G. Watson, Y. Xue, Y. Huang, L. Qu, B. Li, W. Dai, L. Li and J. Cao, *Atmospheric Research* (2018) **202**, 187-195. [ScienceDirect](#)
93. Estimating Regional-Scale Methane Flux and Budgets Using CARVE Aircraft Measurements over Alaska, S. Hartery, R. Commane, J. Lindaas, C. Sweeney, J. Henderson, M. Mountain, N. Steiner, K. McDonald, S.J. Dinardo, C.E. Miller, S.C. Wofsy and R.Y.-W. Chang, *Atmospheric Chemistry and Physics* (2018) **18**, 185-202. [ACP Link](#)
94. The Transport of Asian Dust and Combustion Aerosols and Associated Ozone to North America as Observed from a Mountaintop Monitoring Site in the California Coast Range, E.C. Asher, J.N. Christensen, A. Post, K. Perry, S.S. Cliff, Y. Zhao, J. Trousdell and I. Faloon, *Journal of Geophysical Research-Atmospheres* (2018) **123** (10), 5667-5680. [JGR Link](#)
95. Differential Response of Photosynthetic Electron Transport and CO<sub>2</sub> Assimilation in Sensitive (S156) and Resistant (R123) *Phaseolus vulgaris* L. (Bush Bean) Genotypes to Chronic Ozone Exposure, G.H.J. Krüger, C.C.W. Scheepers, R.J. Strasser and J.M. Berner, *South African Journal for Science and Technology* (2018) **37** (1), 12 pp. [Link](#)
96. Effects of Ambient Ozone on Soybean Biophysical Variables and Mineral Nutrient Accumulation, V. Sagan, M. Maimaitiyiming and J. Fishman, *Remote Sensing* (2018) **10** (4), 562, doi:10.3390/rs10040562. [MDPI Link](#)
97. Vacuum Ultraviolet Photoionization Cross Section of the Hydroxyl Radical, L.G. Dodson, J.D. Savee, S. Gozem, L. Shen, A.I. Krylov, C.A. Taatjes, D.L. Osborn and M. Okumura, *The Journal of Chemical Physics* (2018) **148B** (18), 184302. [AIP Link](#)
98. Short-Term Effects of Airport-Associated Ultrafine Particle Exposure on Lung Function and Inflammation in Adults with Asthma, R. Habre, H. Zhou, S.P. Eckel, T. Enebish, S. Fruin, T. Bastain, E. Rappaport and F. Gilliland, *Environment International* (2018) **118**, 48-59. [ScienceDirect](#)
99. Reduction in Energy Consumption Using Fuel Cells in Nonthermal Plasma-Based Water Sterilization by Bubbling Ozone, T. Kuwahara, *IEEE Transactions on Industry* (2018) **54** (6), 6414-6421. [IEEE Xplore](#)
100. Effects of a Porous Dielectric in Atmospheric-Pressure Plasma Jets Submerged in Water, S. Ma, K. Kim, S. Lee, S. Moon and Y. Hong, *Physics of Plasmas* (2018) **25** (8), 083519, 7 pp. [AIP Link](#)
101. Examination of the Photochemistry and Mesoscale Meteorology Associated with Poor Air Quality in the U.S., G.M. Mazzuca, Ph.D. Thesis (2018), University of Maryland, 197 pp. [UMD Link](#)
102. Ozone Treatment to Reduce Deoxynivalenol (DON) and Zearalenone (ZEN) Contamination in Wheat Bran and Its Impact on Nutritional Quality, A.P.S. Alexandre, R.S. Vela-Paredes, A.S. Santos, N.S. Costa, S.G. Canniatti-Brazaca, M.A. Calori-Domingues and P.E.D. Augusto, *Food Additives & Contaminants: Part A* (2018) **35** (6), 1189-1199. [Taylor&Francis Link](#)
103. Atmospheric Pressure Plasma Corona Enhanced by Photoionizer for Degradation of VOCs, S. Jung, J. Fang, T.S. Chadha and P. Biswas, *Journal of Physics D: Applied Physics* (2018) **51** (44), 445206, 12 pp. [IOP Science Link](#)
104. Bidirectional Ecosystem-Atmosphere Fluxes of Volatile Organic Compounds Across the Mass Spectrum: How Many Matter?, D.B. Millet, H.D. Alwe, X. Chen, M.J. Deventer, T.J. Griffis, R. Holzinger, S.B. Bertram, P.S. Rickly, P.S. Stevens, T. Léonardis, N. Locoge, S. Dusanter, G.S. Tyndall, S.L. Alvarez, M.H. Erickson and J.H. Flynn, *ACS Earth and Space Chemistry* (2018) **2**, 764-777. [ACS Link](#)
105. Low-Cost, Distributed Environmental Monitors for Factory Worker Health, G.W. Thomas, S. Sousan, M. Tatum, X. Liu, C. Zuidema, M. Fitzpatrick, K.A. Koehler and T.M. Peters, *Sensors* (2018) **18** (5), 1411, doi:10.3390/s18051411. [MDPI Link](#)
106. Assessment of Ambient Air Pollution in Nagasaki City, Japan, Based on Ozone Impacts on Growth of Radish (*Raphanus sativus* L.) Using the Open-Top Chamber Method, K. Nakashima, Y. Nishi, S. Kawada and M. Yamaguchi, *Journal of Japan Society for Atmospheric Environment* (2018) **53** (5), 186-193. [J-Stage Link](#)
107. Integrating Activities for Advanced Communities, D8.3: Report Requirement Specifications for Drones in Arctic Environments, Including Drone Types, Drone Projects and Sensor Technology, T. Gustafsson, E. Bendz, M. Ader, D. Axelsson and M. Isacson, (2018) Project No. 730938-INTERACT, 73 pp. [EU-Interact Link](#)
108. Observations of Ozone-Poor Air in the Tropical Tropopause Layer, R. Newton, G. Vaughan, E. Hints, M.T. Filus, L.L. Pan, S. Honomichl, E. Atlas, S.J. Andrews and L.J. Carpenter, *Atmospheric Chemistry and Physics* (2018) **18**, 5157-5171. [ACPLink](#)

109. Removing Volatile Organic Compounds in Cooking Fume by Nano-sized TiO<sub>2</sub> Photocatalytic Reaction Combined with Ozone Oxidation Technique, Y.-H. Li, S.-W. Cheng, C.-S. Yuan, T.-F. Lai and C.-H. Hung, *Chemosphere* (2018) **208**, 808-817. [ScienceDirect](#)
110. Testing the Performance of Field Calibration Techniques for Low-Cost Gas Sensors in New Deployment Locations: Across a County Line and Across Colorado, J.G. Casey and M.P. Hannigan, *Atmospheric Measurement Techniques* (2018) **11**, 6351-6378. [AMT Link](#)
111. Sensory Evaluation and Chemical Analysis of Exhaled and Dermal Emitted Bioeffluents, S. Tsushima, P. Wargocki and S. Tanabe, *Indoor Air* (2018) **28** (1), 146-163. [OpenAccess](#)
112. Study on the Key factors of NO Oxidation Using O<sub>3</sub>: The Oxidation Product Composition and Oxidation Selectivity, R. Ji, J. Wang, W. Xu, X. Liu, T. Zhu, C. Yan and J. Song, *Industrial Engineering and Chemistry Research* (2018) **57**, 14440-14447. [ACS Link](#)
113. Secondary Organic Aerosol Production from Local Emissions Dominates the Organic Aerosol Budget over Seoul, South Korea, during KORUS-AQ, B.A. Nault, P. Campuzano-Jost, D.A. Day, J.C. Schroder, B. Anderson, A.J. Beyersdorf, D.R. Blake, W.H. Brune, Y. Choi, C.A. Corr, J.A. de Gouw, J. Dibb, J.P. DiGangi, G.S. Diskin, A. Fried, L.G. Huey, M.J. Kim, C.J. Knote, K.D. Lamb, T. Lee, T. Park, S.E. Pusede, E. Scheuer, K.L. Thornhill, J.-H. Woo and J.L. Jimenez, *Atmospheric Chemistry and Physics* (2018) **18**, 17769-17800. [ACP Link](#)
114. An Innovative Advanced Oxidation Technology for Effective Decomposition of Formaldehyde by Combining Iron Modified Nano-TiO<sub>2</sub> (Fe/TiO<sub>2</sub>) Photocatalytic Degradation with Ozone Oxidation, S.-W. Cheng, Y.-H. Li, C.-S. Yuan, P.-Y. Tsai, H.-Z. Shen and C.-H. Hung, *Aerosol and Air Quality Research* (2018) **18**, 3220-3233. [AARQ Link](#)
115. Seasonally Varying Secondary Organic Aerosol Formation from In-Situ Oxidation of Near-Highway Air, P.K. Saha, S.M. Reece and A.P. Grieshop, *Environmental Science & Technology* (2018) **52**, 7192-7202. [ACS Link](#)
116. Enhanced Catalytic Ozonation of NO over Black-TiO<sub>2</sub> Catalyst under Inadequate Ozone (O<sub>3</sub>/NO Molar Ratio = 0.6), C. Han, S. Zhang, L. Guo, Y. Zeng, X. Li, Z. Shi, Y. Zhang, B. Zhang and Q. Zhong, *Chemical Engineering Research and Design* (2018) **136**, 219-229. [ScienceDirect](#)
117. Assessing Ozone Damage to Cutleaf Coneflower in an Ozone Bioindicator Garden, J. Pringle, C. Yu, M. Sachs and R. Ellis, *Journal of the Franklin Institute* (2018) **355** (13), 6152-6168. [ScienceDirect](#)
118. Enhancement Effects of ·O<sub>2</sub>· and ·OH radicals on NO<sub>x</sub> Removal in the Presence of SO<sub>2</sub> by Using an O<sub>3</sub>/H<sub>2</sub>O<sub>2</sub> AOP System with Inadequate O<sub>3</sub> (O<sub>3</sub>/NO molar ratio = 0.5), L. Guo, C. Han, S. Zhang, Q. Zhong, J. Ding, B. Zhang and Y. Zeng, *Fuel* (2018) **233**, 769-777. [ScienceDirect](#)
119. The Influence of Metallic Protrusion and Surface Discharge Faults on Air Decomposition By-Products under Different Electrode Materials, H. Javed, K. Li, G. Zhang and A.T. Piesca, in *2018 IEEE Electrical Insulation Conference (EIC)* (2018), 17-20 June 2018, San Antonio, Texas, USA, 132-138. [IEEEExplore Link](#)
120. Monitoring of Greenhouse Gases and Pollutants across an Urban Area Using a Light-Rail Public Transit Platform, L.E. Mitchell, E.T. Crosman, A.A. Jacques, B. Fasoli, L. Leclair-Marzoff, J. Horel, D.R. Bowling, J.R. Ehleringer and J.C. Lin, *Atmospheric Environment* (2018) **187**, 9-23. [ScienceDirect](#)
121. Degradation of Aflatoxins by Use of Ozone Gas, U.G. Ayranci and H. Karaca, Proceedings, 6<sup>th</sup> ASM International Congress of Agriculture and Environment (2018), 11-13 October 2018, Antalya, Turkey, 108-114. [2B Tech link](#)
122. Optical Characterization of Fresh and Photochemically-Aged Aerosols Emitted from Laboratory Siberian Peat Burning, M.M.M. laukea-Lum, Master's Thesis (2018), University of Nevada, Reno, 39 pp. [Univ.NevadaReno link](#)
123. Traffic Control Using Distributed Greenhouse Gases Measurements, A. Puscasiu, A. Franca POP, H. Valean and S. Folea, 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) (2018), 24-26 May 2018, Cluj-Napoca, Romania, 5 pp., 10.1109/AQTR.2018.8402717. [IEEELink](#)
124. Phenomenology of Summer Ozone Episodes over the Madrid Metropolitan Area, Central Spain, X. Querol, A. Alastuey, G. Gangoiti, N. Perez, H.K. Lee, H.R. Eun, Y. Park, E. Mantilla, M. Escudero, G. Titos, L. Alonso, B. Temime-Roussel, N. Marchand, J.R. Moreta, M. Arantxa Revuelta, P. Salvador, B. Artiñano, S. Garcia dos Santos, M. Anguas, A. Notario, A. Saiz-Lopez, R.M. Harrison, M. Millán and K.-H. Ahn, *Atmospheric Chemistry and Physics* (2018) **18**, 6511-6533. [ACP Link](#)
125. Secondary Organic Aerosol Formation from Ambient Air in an Oxidation Flow Reactor in Central Amazonia, B.B. Palm, S.S. de Sá, D.A. Day, P. Campuzano-Jost, W. Hu, R. Seco, S.J. Sjøstedt, J.-H. Park, A.B. Guenther, S. Kim, J. Brito, F. Wurm, P. Artaxo, R. Thalman, J. Wang, L.D. Yee, R. Wernis, G. Isaacman-VanWertz, A.H. Goldstein, Y. Liu, S.R. Springston, R. Souza, M.K. Newburn, M.L. Alexander, S.T. Martin and J.L. Jimenez, *Atmospheric Chemistry and Physics* (2018) **18**, 467-493. [ACP Link](#)

126. Atmospheric Chemistry of Stir-Frying Emissions, Y. Gu, Masters Thesis (2018), University of California Riverside, 48 pp. [eScholarship](#)
127. The Semi-Volatile Fraction of Atmospheric Aerosols, D.J. Ruff, Master's Thesis (2018), Rochester Institute of Technology, 111 pp. [RIT Link](#)
128. Contribution to the Study of Ozone Production by Surface Dielectric Barrier Discharge and Plane Electrodes. Application to the Treatment of Polluted Water, C. Abdelkader, Doctoral Thesis (2018), Université Djillali Liabes de Sidi-Bel-Abbes, 132 pp. [Link](#)
129. Hierarchical Petal-on-Petal MnO<sub>2</sub>/Vertical Graphene Foam for Postplasma Catalytic Decomposition of Toluene with High Efficiency and Ultralow Pressure Drop, S. Yang, Z. Bo, H. Yang, X. Shuai, H. Qi, X. Li, J. Yan and K. Cen, *Industrial & Engineering Chemistry Research* (2018) **57**, 15291-15300. [ACS Link](#)
130. Surface Removal Rate of Ozone in Residences in China, M. Yao and B. Zhao, *Building and Environment* (2018) **142**, 101-106. [ScienceDirect](#)
131. A Comparative Study Characterizing Traffic Related Air Pollutant Concentration at Near-Road Communities in El Paso, Texas, A. Rangel, Master's Thesis (2018), University of Texas at El Paso, 58 pp. [Digital Commons link](#)
132. Relationship of Fine and Superfine Particulate Matter with Precursors and Meteorological Conditions at an Educational Institution in Delhi, T. Garg, Master's Thesis (2018), Delhi Technological University, 76 pp. [DSpace DTU link](#)
133. Factors Influencing Surface Ozone Variability over Continental South Africa and Implications for Air Quality and Agriculture, T.L. Laban, Ph.D. Thesis (2018), North-West University, South Africa, 226 pp. [2B Tech Link](#)
134. Atmospheric Characterization through Fused Mobile Airborne and Surface *in situ* Surveys: Methane Emissions Quantification from a Producing Oil Field, I. Leifer, C. Melton, M.L. Fischer, M. Fladeland, J. Frash, W. Gore, L.T. Iraci, J.E. Marrero, J.-M. Ryoo, T. Tanaka and E.L. Yates, *Atmospheric Measurement Techniques* (2018) **11**, 1689-1705. [AMT Link](#)
135. Research of Ozone Leakage Test Method and Evaluation Method Based on Sterilizer, P. Zhen, H. Guan and Y. Song, *Journal of Appliance Science & Technology* (2018) **0(7)**, 38-41. [JAST Link](#)
136. The Critical Role of Oxygen Atom Adsorption Capacity of Oxygen Vacancies for the Ozone Decomposition over Manganese Oxides, J. Ma, C. Zhang and H. He, poster P3036 (2018), 8th Tokyo Conference on Advanced Catalytic Science and Technology (TOCAT8): August 5 - 10, 2018; Yokohama, Japan. [TOCAT link](#)
137. Evaluation of the Indoor and Outdoor Air Quality at the Primary School South (Römerschule Building) by Means of Passive Collector Measurements and Mobile Measurements - Final Report, edited by I.U. Vogt, M. Chacón Mateos and N. Rincón Soto, (2018), University of Stuttgart, Institute for Combustion and Power Plant Technology. [IFK Link](#)

## 2017

1. Langley Mobile Ozone Lidar: Ozone and Aerosol Atmospheric Profiling for Air Quality Research, R. De Young, W. Carrion, R. Ganoe, D. Pluta, G. Gronoff, T. Berkoff and S. Kuang, *Applied Optics* (2017) **56** (3), 721-730. [AppliedOptics](#)
2. Improved Formulation of Fe-MCM-41 for Catalytic Ozonation of Aqueous Oxalic Acid, Z. Jeirani and J. Soltan, *Chemical Engineering Journal* (2017) **307**, 756-765. [ScienceDirect](#)
3. The Wetting Behavior of Fresh and Aged Soot Studied through Contact Angle Measurements, Y. Wei, Q. Zhang and J.E. Thompson, *Atmospheric and Climate Sciences* (2017) **7**, 11-22. [ScientificResearchPublishing](#)
4. Effects of Oil Dispersant on Ozone Oxidation of Phenanthrene and Pyrene in Marine Water, Y. Gong and D. Zhao, *Chemosphere* (2017) **172**, 468-475. [ScienceDirect](#)
5. Effect of Fiber Material on Ozone Removal and Carbonyl Production from Carpets, O.A. Abbass, D.J. Sailor and E.T. Gall, *Atmospheric Environment* (2017) **148**, 42-48. [ScienceDirect](#)
6. Ozone Sensitivity of Four Pakchoi Cultivars with Different Leaf Colors: Physiological and Biochemical Mechanisms, L. Zhang, S. Xiao, Y.J. Chen, H. Xu, Y.G. Li, Y.W. Zhang and F.S. Luan, *Photosynthetica* (2017) **55** (3), 478-490. [SpringerLink](#)
7. A New-Generation 3D Ozone FACE (Free Air Controlled Exposure), E. Paoletti, A. Materassi, G. Fasano, Y. Hoshika, G. Carriero, D. Silaghi and O. Badea, *Science of the Total Environment* (2017) **575**, 1407-1414. [ScienceDirect](#)

8. Field-to-Laboratory Analysis of Clay Wall Coatings as Passive Removal Materials for Ozone in Buildings, E. Darling and R.L. Corsi, *Indoor Air* (2017) **27**, 658-669. [Wiley Online Library](#)
9. Effects of Exposure to Carbon Dioxide and Bioeffluents on Perceived Air Quality, Self-Assessed Acute Health Symptoms, and Cognitive Performance, X. Zhang, P. Wargocki, Z. Lian and C. Thyregod, *Indoor Air* (2017) **27**, 47-64, doi:10.1111/ina.12284. [Wiley Online Library](#)
10. Secondary Organic Aerosol Formation from in situ OH, O<sub>3</sub>, and NO<sub>3</sub> Oxidation of Ambient Forest Air in an Oxidation Flow Reactor, B.B. Palm, P. Campuzano-Jost, D.A. Day, A.M. Ortega, J.L. Fry, S.S. Brown, K.J. Zarzana, W. Dube, N.L. Wagner, D.C. Draper, L. Kaser, W. Jud, T. Karl, A. Hansel, C. Gutiérrez-Montes and J.L. Jimenez, *Atmospheric Chemistry and Physics* (2017) **17**, 5331-5354. [ACP link](#)
11. Impact of Dust Loading on Long Term Portable Air Cleaner Performance, M.S. Zuraimi, M. Vuotan, G. Nilsson, R. Magee, B. Kemery and C. Alliston, *Building and Environment* (2017) **112**, 261-269. [ScienceDirect](#)
12. Influence of Metal-Mediated Aerosol-Phase Oxidation on Secondary Organic Aerosol Formation from the Ozonolysis and OH-Oxidation of  $\alpha$ -Pinene, B. Chu, J. Liggio, Y. Liu, H. He, H. Takekawa, S.-M. Li and J. Hao, *Scientific Reports* (2017) **7**, 40311, doi:10.1038/srep40311. [Nature.com link](#)
13. Current Ambient Concentrations of Ozone in Panama Modulate the Leaf Chemistry of the Tropical Tree *Ficus insipida*, G.F. Schneider, A.W. Cheesman, K. Winter, B.L. Turner, S. Sitch and T.A. Kursar, *Chemosphere* (2017) **172**, 363-372, doi:10.1016/j.chemosphere.2016.12.109. [ScienceDirect](#)
14. Development of Low-Cost Sensing Technologies for Measuring Air Quality, B.B. Almand-Hunter, Ph.D. thesis, University of Colorado (2017), 109 pp. [CUScholar](#)
15. Inhaled Ambient-Level Traffic-Derived Particulates Decrease Cardiac Vagal Influence and Baroreflexes and Increase Arrhythmia in a Rat Model of Metabolic Syndrome, A.P. Carll, S.M. Crespo, M.S. Filho, D.H. Zati, B.A. Coull, E.A. Diaz, R.D. Raimundo, T.N.G. Jaeger, A.L. Ricci-Vitor, V. Papapostolou, J.E. Lawrence, D.M. Garner, B.S. Perry, J.R. Harkema and J.J. Godleski, *Particle and Fibre Toxicology* (2017), **14**, 16. [BioMedCentral](#)
16. Observations of Acyl Peroxy Nitrates During the Front Range Air Pollution and Photochemistry Experiment (FRAPPÉ), J. Zaragoza, S. Callahan, E.E. McDuffie, J. Kirkland, P. Brophy, L. Durrett, D.K. Farmer, Y. Zhou, B. Sive, F. Flocke, G. Pfister, C. Knote, A. Tevlin, J. Murphy and E.V. Fischer, *Journal of Geophysical Research—Atmospheres* (2017) **122** (22), 12416-12432. [AGU link](#)
17. Field Evaluations of Newly Available "Interference-Free" Monitors for Nitrogen Dioxide and Ozone at Near-Road and Conventional National Ambient Air Quality Standards Compliance Sites, A.R. Leston and W.M. Ollison, *Journal of the Air & Waste Management Association* (2017) **67** (11), 1240-1248, DOI: 10.1080/10962247.2017.1339645. [JAWMA](#)
18. Effects of Elevated Ozone on Polka Dot Plant (*Hypoestes phyllostachya*) with Variegated Leaves, J.X. Sui, M.X. Wen, L.L. Jia, Y.J. Chen, C.H. Li and L. Zhang, *Bulletin of Environmental Contamination and Toxicology* (2017) **99**, 445-451. [SpringerLink](#)
19. Validating Novel Air Pollution Sensors to Improve Exposure Estimates for Epidemiological Analyses and Citizen Science, M. Jerrett, D. Donaire-Gonzalez, O. Popoola, R. Jones, R.C. Cohen, E. Almanza, A. de Nazelle, I. Mead, G. Carrasco-Turigas, T. Cole-Hunter, M. Tiguero-Mas, E. Seto and M. Nieuwenhuijsen, *Environmental Research* (2017) **158**, 286-294. [ElsevierLink](#)
20. A Novel Approach for Monitoring Vertical Profiles of Boundary-Layer Pollutants: Utilizing Routine News Helicopter Flights, E.T. Crosman, A.A. Jacques, J.D. Horel, *Atmospheric Pollution Research* (2017) **8** (5), 828-835. [ElsevierLink](#)
21. Mobile Monitoring of Personal NO<sub>x</sub> Exposures during Scripted Daily Activities in Chicago, IL, J. Xu, H. Jiang, H. Zhao and B. Stephens, *Aerosol and Air Quality Research* (2017) **17**, 1999-2009. [AAQR](#)
22. Seasonal and Interannual Variations in Whole-Ecosystem BVOC Emissions from a Subtropical Plantation in China, J. Bai, A. Guenther, A. Turnipseed, T. Duhl and J. Greenberg, *Atmospheric Environment* (2017) **161**, 176-190. [ScienceDirect](#)
23. Ozone Measurements at Some Work Places for Environment Protection and Career Health Care, Z.Z. Liu, J.Y. Wang and H.T. Wang, *Ozone: Science & Engineering* (2017) **39** (4), 286-291. [Taylor&FrancisLink](#)
24. Promotional Effect of Spherical Alumina Loading with Manganese-Based Bimetallic Oxides on nitric-Oxide Deep Oxidation by Ozone, F. Lin, Z. Wang, J. Shao, D. Yuan, Y. He, Y. Zhu and K. Cen, *Chinese Journal of Catalysis* (2017) **38** (7), 1270-1280. [ScienceDirect](#)
25. Production and Release of Molecular Bromine and Chlorine from the Arctic Coastal Snowpack, K.D. Custard, A. R.W. Raso, P.B. Shepson, R.M. Staebler and K.A. Pratt, *ACS Earth Space Chemistry* (2017) **1** (3), 142-151. [ACSLink](#)

26. Catalytic Removal of Ozone and Design of an Ozone Converter for the Bleeding Air Purification of Aircraft Cabin, F. Wu, M. Wang, Y. Lu, X. Zhang and C. Yang, *Building and Environment* (2017) **115**, 24-33. [ScienceDirect](#)
27. Characteristics and Applications of Small, Portable Gaseous Air Pollution Monitors, G.R. Mc Kercher, J.A. Salmond and J.K. Vanos, *Environmental Pollution* (2017) **223**, 102-110. [ScienceDirect](#)
28. Investigating Sources of Ozone over California Using AJAX Airborne Measurements and Models: Assessing the Contribution from Long-Range Transport, J.M. Ryoo, M.S. Johnson, L.T. Iraci, E.L. Yates and W. Gore, *Atmospheric Environment* (2017) **155**, 53-67. [ScienceDirect](#)
29. Analysis of Correlation Among Partial Discharges, Ozone Emission, and Ultraviolet Radiation in High Voltage Motor Stator Windings, T. Kong, H. Kim, S. Lee and J. Lee, *American Journal of Electrical Power and Energy Systems* (2017) **6** (6), 113-118. [AJEPES](#)
30. Elevated Ozone Level Affects Micronutrients Bioavailability in Soil and Their Concentrations in Wheat Tissues, Y. Wang, S. Wei, Y. Sun, W. Mao, T. Dang, W. Yin, S. Wang and X. Wang, *Plant Soil Environment* (2017) **63** (8), 381-387. [ResearchGate](#)
31. Online Monitoring of Partial Discharge by Measuring Air Decomposition By-products under Low and High Humidity, H. Javed, K. Li, G. Zhang and A.T. Plesca, *DEStech Transactions on Environment, Energy and Earth Sciences* (2017), 2017 International Conference on Energy, Power and Environmental Engineering (ICEPEE 2017), ISBN: 978-1-60595-456-1, 186-191. [DEStech Transactions](#)
32. Use of Tethersonde and Aircraft Profiles to Study the Impact of Mesoscale and Microscale Meteorology on Air Quality, G. M. Mazzuca, K.E. Pickering, R.D. Clark, C.P. Loughner, A. Fried, D. C. Stein Zweers, A.J. Weinheimer and R.R. Dickerson, *Atmospheric Environment* (2017) **149** 55-69. [ScienceDirect](#)
33. Cold Plasma-Activated Hydrogen Peroxide Aerosol Inactivates *Escherichia coli* O157:H7, *Salmonella* Typhimurium, and *Listeria innocua* and Maintains Quality of Grape Tomato, Spinach and Cantaloupe, Y. Jiang, K. Sokorai, G. Pyrgiotakis, P. Demokritou, X. Li, S. Mukhopadhyay, T. Jin and X. Fan, *International Journal of Food Microbiology* (2017), **249**, 53-60. [ScienceDirect](#)
34. Photocatalytic Decomposition of Indoor Ozone Motivated by the White-Light-Emitting Diode, J.Y. Gong, Y.C. Chen and K.P. Yu, *Clean Technologies and Environmental Policy* (2017), **19** (10), 2392-2404. [SpringerLink](#)
35. Ozone Sensitivity and Catalase Activity in Pigmented and Non-Pigmented Strains of *Serratia Marcescens*, J. de Ondarza, *The Open Microbiology Journal* (2017) **11**, 12-22, doi:10.2174/1874285801711010012. [BenthamOpen](#)
36. Functional Relationship between Material Property, Applied Frequency and Ozone Generation for Surface Dielectric Barrier Discharges in Atmospheric Air, S. Portugal, S. Roy and J. Lin, *Scientific Reports* (2017), **7** (6388), doi:10.1038/s41598-017-06038-w. [Nature](#)
37. Surface Oxygen Vacancy Induced  $\alpha$ -MnO<sub>2</sub> Nanofiber for Highly Efficient Ozone Elimination, G. Zhu, J. Zhu, W. Jiang, Z. Zhang, J. Wang, Y. Zhu and Q. Zhang, *Applied Catalysis B: Environmental* (2017), **209**, 729-737. [ScienceDirect](#)
38. Oxygen Vacancies Enabled Enhancement of Catalytic Property of Al Reduced Anatase TiO<sub>2</sub> in the Decomposition of High Concentration Ozone, Y. Ding, X. Zhang, L. Chen, X. Wang, N. Zhang, Y. Liu and Y. Fang, *Journal of Solid State Chemistry* (2017) **250**, 121-127. [ScienceDirect](#)
39. Low Temperature Decomposition of Ozone by Facilely Synthesized Cuprous Oxide Catalyst, S. Gong, W. Li, Z. Xie, X. Ma, H. Liu, N. Han and Y. Chen, *New Journal of Chemistry* (2017) **41**, 4828-4834. [RSCLink](#)
40. Application of VUV-PIMS Coupled with GC-MS in Chemical Characterization, Identification and Comparative Analysis of Organic Components in Both Vehicular-Derived SOA and Haze Particles, P. Zhang, P. Ma, H. Zhang, J. Shu, B. Yang and Z. Li, *Atmospheric Environment* (2017) **164**, 250-258. [ScienceDirect](#)
41. Ozone-Induced Stomatal Sluggishness Changes Stomatal Parameters of Jarvis-Type Model in White Birch and Deciduous Oak, Y. Hoshika, M. Watanabe, E. Carrari, E. Paoletti and T. Kolke, *Plant Biology* (2017) **20**(1), 20-28. [Wiley Online](#)
42. A New Oxidation Flow Reactor for Measuring Secondary Aerosol Formation of Rapidly Changing Emission Sources, P. Simonen, E. Saukko, P. Karjalainen, H. Timonen, M. Bloss, P. Aakko-Saksa, T. Rönkkö, J. Keskinen and M. Dal Maso, *Atmospheric Measurement Techniques* (2017) **10**, 1519-1537. [ProQuest](#)
43. Development and Evaluation of a Novel and Cost-Effective Approach for Low-Cost NO<sub>2</sub> Sensor Drift Correction, L. Sun, D. Westerdahl and Z. Ning, *Sensors* (2017) **17** (8), doi:10.3390/s17081916. [MDPI Link](#)

44. An Assessment of Ground Level and Free Tropospheric Ozone Over California and Nevada, E.L. Yates, M.S. Johnson, L.T. Iraci, J.-M. Ryoo, R.B. Pierce, P.D. Cullis, W. Gore, M.A. Ives, B.J. Johnson, T. Leblanc, J.E. Marrero, C.W. Sterling and T. Tanaka, *Journal of Geophysical Research-Atmospheres* (2017) **122** (18), 10,089-10,102. [AGU Link](#)
45. Stem and Crown Growth of Japanese Larch and Its Hybrid F1 Grown in Two Soils and Exposed to Two Free-Air O<sub>3</sub> Regimes, E. Agathokleous, A. Vanderstock, K. Kita and T. Koike, *Environmental Science and Pollution Research* (2017) **24** (7), 6634-6647. [SpringerLink](#)
46. Use of a Heated Graphite Scrubber as a Means of Reducing Interferences in UV-Absorbance Measurements of Atmospheric Ozone, A.A. Turnipseed, P.C. Andersen, C.J. Williford, C.A. Ennis and J.W. Birks, *Atmospheric Measurement Techniques* (2017) **10**, 2253-2269. [ProQuest](#)
47. Novel Method for Nitrogen Isotopic Analysis of Soil-Emitted Nitric Oxide, Z. Yu and E.M. Elliott, *Environmental Science & Technology* (2017) **51**, 6268-6278. [ACSLink](#)
48. Effectiveness of Indoor Plants for Passive Removal of Indoor Ozone, O.A. Abbass, D.J. Sailor and E.T. Gall, *Building and Environment* (2017) **119**, 62-70. [ScienceDirect](#)
49. Surface Ozone in the Colorado Northern Front Range and the Influence of Oil and Gas Development during FRAPPE/DISCOVER-AQ in Summer 2014, L.C. Cheadle, S.J. Oltmans, G. Petron, R.C. Schnell, E.J. Mattson, S.C. Herndon, A.M. Thompson, D.R. Blake and A. McClure-Begley, *Elementa Science of the Anthropocene* (2017) **5** (61), doi:<http://doi.org/10.1525/elementa.254>. [Elementa](#)
50. Outdoor and Indoor Ozone Concentration Estimation Based on Artificial Neural Network and Single Zone Mass Balance Model, J. Shen, J. Chen, X. Zhang, S. Zou and Z. Gao, *Procedia Engineering* (2017) **205**, 1835-1842. [ScienceDirect](#)
51. Effects of Ozone Exposure on Human Epithelial Adenocarcinoma and Normal Fibroblasts Cells, A. Poma, S. Colafarina, E. Aruffo, O. Zarivi, A. Bonfigli, S. Di Bucchianico and P. Di Carlo, *PLoS One* (2017) **12** (9), e0184519. [PLoS ONE](#)
52. An Assessment of 10-year NOAA Aircraft-Based Tropospheric Ozone Profiling in Colorado, M. Leonard, I. Petropavlovskikh, M. Lin, A. McClure-Begley, B.J. Johnson, S.J. Oltmans and D. Tarasick, *Atmospheric Environment* (2017) **158**, 116-127. [ScienceDirect](#)
53. Active Molecular Iodine Photochemistry in the Arctic, A.R.W. Raso, K.D. Custard, N.W. May, D. Tanner, M.K. Newburn, L. Walker, R.J. Moore, L.G. Huey, L. Alexander, P.B. Shepson and K.A. Pratt, *Proceedings of the National Academy of Sciences*, Early Edition (2017), doi:10.1073/pnas.1702803114. [PNAS](#)
54. Horizontal and Vertical Structure of Reactive Bromine Events Probed by Bromine Monoxide MAX-DOAS, W.R. Simpson, P.K. Peterson, U. Freiß, H. Sihler, J. Lampel, U. Platt, C. Moore, K. Pratt, P. Shepson, J. Halfacre and S.V. Nghiem, *Atmospheric Chemistry and Physics* (2017) **17**(15), 9291-9309. [ProQuest](#)
55. Physical Processes Controlling the Spatial Distributions of Relative Humidity in the Tropical Tropopause Layer over the Pacific, E.J. Jensen, T.D. Thornberry, A.W. Rollins, R. Ueyama, L. Pfister, T. Bui, G.S. Diskin, J.P. DiGangi, E. Hints, R.-S. Gao, S. Woods, R.P. Lawson and J. Pittman, *Journal of Geophysical Research – Atmospheres* (2017) **122**, 6094-6107. [AGU Link](#)
56. Traffic Influenced Nitrogen Dioxide, Ultrafine Particle and Black Carbon Concentrations at a Busy Urban Street in duesseldorf, Germany, T. Pohl, G. Heweling, C. Fischer and K. Weber, *International Journal of Environmental Science* (2017) **2**, 410-417. [IARAS Link](#)
57. Molecular Halogens Above the Arctic Snowpack: Emissions, Diurnal Variations, and Recycling Mechanisms, S. Wang and K.A. Pratt, *Journal of Geophysical Research – Atmospheres* (2017) **122** (21), 11991-12007. [AGU Link](#)
58. Nitric Oxide Oxidation and Its Removal in Mist by Nonthermal Plasma: Effects of Discharge Conditions, *Industrial & Engineering Chemistry Research* (2017) **56**, 11336-11343. [ACS Link](#)
59. Functional Indicators of Response Mechanisms to Nitrogen Deposition, Ozone, and Their Interaction in Two Mediterranean Tree Species, L. Fusaro, A. Palma, E. Salvatori, A. Basile, V. Maresca, E. Asadi Karam and F. Manes, *PLoS ONE* (2017) **12** (1), e0185836. [PLoS ONE](#)
60. Kinetics of Ozone Decomposition in Porous In<sub>2</sub>O<sub>3</sub> Monoliths, D. Klawinski, C. Weinberger, D. Klaus, J.-H. Smatt, M. Tiemann and T. Wagner, *Physical Chemistry Chemical Physics* (2017) **19**, 10326-10332. [RSC Link](#)
61. Removal of Toluene by Sequential Adsorption-Plasma Oxidation: Mixed Support and Catalyst Deactivation, C. Qin, X. Huang, J. Zhao, J. Huang, Z. Kang and X. Dang, *Journal of Hazardous Materials* (2017) **334**, 29-38. [ScienceDirect](#)

62. A Low-Cost Device for Bulk Sampling of Airborne Particulate Matter: Evaluation of an Ionic Charging Device, N. Afshar-Mohajer, W.H. Godfrey, A.M. Rule, E.C. Matsui, J. Gordon and K. Koehler, *Aerosol and Air Quality Research* (2017) **17**, 1452-1462. [AAQR Link](#)
63. Design and Development of a Self-Contained Personal Electrostatic Bioaerosol Sampler (PEBS) with a Wire-to-Wire Charger, T.T. Han, N.M. Thomas and G. Mainelis, *Aerosol Science and Technology* (2017) **51** (8), 903-915. [Taylor&FrancisLink](#)
64. Paper-Based Plasma Sanitizers, J. Xie, Q. Chen, P. Suresh, S. Roy, J.F. White and A.D. Mazzeo, *Proceedings of the National Academy of Sciences* (2017) **114** (20), 5119-5124. [PNAS Link](#)
65. Impacts of Unconventional Oil and Gas Development on Atmospheric Aerosol Particles, A.R. Evanoski-Cole, Ph.D. Thesis, Colorado State University (2017), ~244 pp. [ProQuest Link](#)
66. Three-Dimensional Investigation of Ozone Pollution in the Lower Troposphere Using an Unmanned Aerial Vehicle Platform, X.-B. Li, D.-S. Wang, Q.-C. Lu, Z.-R. Peng, S.-J. Lu and C. Li, *Environmental Pollution* (2017) **224**, 107-116. [ScienceDirect](#)
67. Metal Organic Frameworks for Gas-Phase VOCs Removal in a NTP-Catalytic Reactor, M. Bahri, F. Haghigat, S. Rohani and H. Kazemian, *Chemical Engineering Journal* (2017) **320**, 308-318. [ScienceDirect](#)
68. UV Photodegradation of Chlorinated VOCs: Removal Efficiency and Products, I.S. Kang, J. Xi, C. Wang and H.-Y. Hu, *Journal of Korean Society for Atmospheric Environment* (2017) **33** (2), 87-96. [JEKOSAE](#)
69. High-Pressure Ozone-Induced Dissociation for Lipid Structure Elucidation on Fast Chromatographic Timescales, B.L.J. Poad, M.R. Green, J.M. Kirk, N. Tomczyk, T.W. Mitchell and S.J. Blanksby, *Analytical Chemistry* (2017) **69**, 4223-4229. [ACS Link](#)
70. SAM-CAAM: A Concept for Acquiring Systematic Aircraft Measurements to Characterize Aerosol Air Masses, R.A. Kahn, T.A. Berkoff, C. Brock, G. Chen, R.A. Ferrare, S. Ghan, T.F. Hanisco, D.A. Hegg, J. Vanderlei Martins, C.S. McNaughton, D.M. Murphy, J.A. Ogren, J.E. Penner, P. Pilewskie, J.H. Seinfeld and D.R. Worsnop, *Bulletin of the American Meteorological Society* (2017) **98**, 2215-2228. [SupplementLink](#)
71. Experimental and Numerical Study of the Performance of Upper-Room Ultraviolet Germicidal Irradiation with the Effective Z-value of Airborne Bacteria, Y. Yang, A.C.K. Lai, R.Y.C. Kong and Q. Deng, *Aerosol Science and Technology* (2017) **51** (10), 1123-1134. [Taylor&Francis](#)
72. Evaluation of Oxidation Treatment on Algal Toxins and the Cytotoxic Effects of Algal Toxins Post Oxidation, N. Giampà Fedchuk, Master's Thesis, Colorado State University (2017), 78 pp. [CSU link](#)
73. Human Exposure Assessment for Air Pollution, B. Han, L.W. Hu and Z. Bai, in G.H. Dong (eds), *Ambient Air Pollution and Health Impact in China* (2017), Advances in Experimental Medicine and Biology, **1017**, 27-57, Springer, Singapore. [SpringerLink](#)
74. The Effects of Atmospheric Pressure Cold Plasma Treatment on Microbiological, Physical-Chemical and Sensory Characteristics of Vacuum Packaged Beef Loin, A. Bauer, Y. Ni, S. Bauer, P. Paulsen, M. Modic, J.L. Walsh and F.J.M. Smulders, *Meat Science* (2017) **126**, 77-87. [ScienceDirect](#)
75. A Study of the Impact of Diesel Buses on Downtown Boulder, J.R. Hernandez Pedroza, Master's Thesis, University of Colorado (2017), 170 pp. [ProQuest](#)
76. The Effect of Entrainment Through Atmospheric Boundary Layer Growth on Observed and Modeled Surface Ozone in the Colorado Front Range, L. Kaser, E.G. Patton, G.G. Pfister, A.J. Weinheimer, D.D. Montzka, F. Flocke, A.M. Thompson, R.M. Stauffer and H.S. Halliday, *Journal of Geophysical Research – Atmospheres* (2017) **122** (11), 6075-6093. [AGU Link](#)
77. Redox Couple Involving NO<sub>x</sub> in Aerobic Pd-Catalyzed Oxidation of sp<sup>3</sup>-C-H Bonds: Direct Evidence for Pd-NO<sub>3</sub><sup>-</sup>/NO<sub>2</sub><sup>-</sup> Interactions Involved in Oxidation and Reductive Elimination, M.N. Wenzel, P.K. Owens, J.T.W. Bray, J.M. Lynam, P.M. Aguiar, C. Reed, J.D. Lee, J.F. Hamilton, A.C. Whitwood and I.J.S. Fairlamb, *Journal of the American Chemical Society* (2017) **139**, 1177-1190. [ACS link](#)
78. Use of Algae in a Landfill Leachate Treatment System, K. DuBois Sniffen, Ph.D. Thesis, Drexel University (2017), 195 pp. [Drexel Univ link](#)
79. Secondary Organic Aerosol Formation Initiated by  $\alpha$ -Terpineol Ozonolysis and Exposure Quantified by the Secondary Intake Fraction, Y. Yang, Ph.D. Thesis, Drexel University (2017), 180 pp. [ProQuest](#)
80. A System for Intraoperative Cancer Margin Detection by Diathermy Smoke Analysis, A. Kontunen, Master's Thesis, Tampere University of Technology (2017), 79 pp. [Tampere link](#)

81. Development and Application of an Oxidation Flow Reactor to Study Secondary Organic Aerosol formation from Ambient Air, B.B. Palm, Ph.D. Thesis, University of Colorado Boulder (2017), 224 pp. [ProQuest](#)
82. Influence of Elevated CO<sub>2</sub> and Ground-Level O<sub>3</sub> on Native Deciduous Trees in Japan, E. Agathokleous, Ph.D. Thesis, Hokkaido University (2017), 157 pp. [Hokkaido link](#)
83. Ozone Deposition Velocities on Cotton Clothing Surface Determined by the Field and Laboratory Emission Cell, Y. Di, J. Mo, Y. Zhang and J. Deng, *Indoor and Built Environment* (2017) **26** (5), 631-641. [SAGE Journals link](#)
84. Analysis of Trends in Isoprene and Monoterpenes in a Remote Forest and an Anthropogenic Influenced Forest, S. Usenko, R.J. Sheesley, Z. Winfield, S. Yoon, M. Erickson, J.H. Flynn III, S.L. Alvarez, H.W. Wallace IV and R.J. Griffin, American Geophysical Union, Fall Meeting 2017, abstract #A51B-2064, [2017AGUFM.A51B2064U](#).
85. Photocatalytic Oxidation of Gaseous Benzene under VUV Irradiation over TiO<sub>2</sub>/Zeolites Catalysts, Ha. Huang, G. Liu, Y. Zhan, Y. Xu, H. Lu, Hu. Huang, Q. Feng and M. Wu, *Catalysis Today* (2017) **281** (3), 649-655. [ScienceDirect](#)
86. Influence of Peracetic Acid Modification on the Physicochemical Properties of Activated Carbon and its Performance in the Ozone-Catalytic Oxidation of Gaseous Benzene, R. Fang, H. Huang, W. Huang, J. Ji, Q. Feng, Y. Shu, Y. Zhan, G. Liu and R. Xie, *Applied Surface Science* (2017) **420**, 905-910. [ScienceDirect](#)
87. Chromium-Based Metal-Organic Framework MIL-101 as a Highly Effective Catalyst in Plasma for Toluene Removal, J. Wu, Q. Xia, J. Xiao and Z. Li, *Journal of Physics D: Applied Physics* (2017) **50**, 475202. [IOP Science Link](#)
88. Carbon Nanotubes / Activated Carbon Fiber Based Air Filter Media for Simultaneous Removal of Particulate Matter and Ozone, S. Yang, Z. Zhu, F. Wei and X. Yang, *Building and Environment* (2017) **125**, 60-66. [ScienceDirect](#)
89. Ozone Activated Cool Diffusion Flames of Butane Isomers in a Counterflow Facility, A.A. Al Omier, Masters Thesis, King Abdullah University of Science and Technology (2017), 80 pp. [KAUST Link](#)
90. Analysis of Summer Ozone Concentration in the Salt Lake Valley, K.A. Long, Masters Thesis, The University of Utah (2017) 84 pp. [ProQuest](#)
91. Analyzing the Relationship between Human Behavior and Indoor Air Quality, B. Lin, Y. Huangfu, N. Lima, B. Jobson, M. Kirk, P. O'Keefe, S.N. Pressley, V. Walden, B. Lamb and D.J. Cook, *Journal of Sensor and Actuator Networks* (2017) **6** (13), doi:10.3390/jsan6030013. [MDPI Link](#)
92. Connecting the Elementary Reaction Pathways of Criegee Intermediates to the Chemical Erosion of Squalene Interfaces during Ozonolysis, N. Heine, F.A. Houle and K.R. Wilson, *Environmental Science & Technology* (2017) **51** (23), 13740-13748. [ACS Link](#)
93. Measurement of Ambient NO<sub>3</sub> Reactivity: Design, Characterization and First Deployment of a New Instrument, J.M. Liebmann, G. Schuster, J.B. Schuladen, N. Sobanski, J. Lelieveld and J.N. Crowley, *Atmospheric Measurement Techniques* (2017) **10**, 1241-1258. [AMT Link](#)
94. Investigation of Organic Aerosol Volatility in the Lab and Field, P.K. Saha, Ph.D. Thesis, North Carolina State University (2017), 348 pp. [ProQuest Link](#)
95. Online Monitoring of Partial Discharge Initiated Under Metallic Protrusion Defect in High Humidity by Measuring Air Decomposition By-Products, H. Javed, L. Li, G. Zhang and A. Traian Piesca, Proceedings of the 2017 2<sup>nd</sup> International Conference on Power and Renewable Energy (ICPRE) (2017), held 20-23 September 2017, Chengdu, China, pp. 244-249, doi: 10.1109/ICPRE.2017.8390536. [IEEE Explore Link](#)
96. Lower Tropospheric Distributions of O<sub>3</sub> and Aerosol over Raoyang, a Rural Site in the North China Plain, R. Wang, X. Xu, S. Jia, R. Ma, L. Ran, Z. Deng, W. Lin, Y. Wang and Z. Ma, *Atmospheric Chemistry and Physics* (2017) **17**, 3891-3903. [ACPLink](#)
97. Complementary Tests for a Resource-Efficient Advanced Wastewater Treatment, C. Baresel, M. Ek, M. Harding, J. Magnér, A.-S. Allard and J. Karlsson, *System Report for SystemLäk - System Proposal for Cleaning of Drug Residues and Other Prioritized Difficult-to-Decompose Substances* (2017), Report No. B 2287, ISBN 978-91-88319-83-8, IVL Svenska Miljöinstitutet AB, Stockholm, 56 pp. [Link](#)
98. *JRC-Ispira Atmosphere – Biosphere – Climate Integrated Monitoring Station: 2015 Report*, J.P. Putaud, P. Bergamaschi, F. Cavalli, A. Dell'Acqua, K. Douglas, M. Duerr, I. Fumagalli, I. Goded, F. Grassi, C. Gruening, N.R. Jensen, F. Lagler, G. Manca, S. Martins Dos Santos, M. Matteucci, R. Passarella, V. Pedroni, O. Pokorska and D. Roux, (2017), European Commission, Joint Research Committee (JRC) Technical Reports 104520, EUR 28513 EN; doi:10.2760/409157. [JRC Link](#)

99. Protective Effects of Topical Vitamin C Compound Mixtures Against Ozone-Induced Damage In Human Skin, G. Valacchi, A. Pecorelli, G. Belmonte, E. Pambianchi, F. Cervellati, S. Lynch, Y. Krol And C. Oresajo, *The Journal of Investigative Dermatology* (2017) **137**, 1373-1375, doi: 10.1016/j.jid.2017.01.034. [Science Direct](#)
100. Usage and Performance Assessment of a Novel O<sub>3</sub> Analyzer-Model 205, S. Wang, B. Tian, M. Ding, D. Zhang, T. Zhang and W. Sun, *Optical Instruments* (2017) **39**(2), 58-63. [CNJournals Link](#)
101. Air Quality Assessment in the Area of the Pecém Industrial Complex in São Gonçalo of Amarante-Ceará-Brazil, A.C.F. Júnior, L.A. Matos, J. Koch, M.L.M. de Oliveira and R.S. Araújo, Congresso ABES FENASAN 2017 (2017), paper 1X-022, Brazilian Association of Sanitary and Environmental Engineering, 11 pp. [ABES Link](#)
102. Impact of High-Efficiency Filtration Combined with High Ventilation Rates on Particulate Matter Concentrations in U.S. Offices, M.S. Waring, T. Ben-David and S. Wang, presented at National Air Filtration Association (NAFA) Annual Convention (2017), Annapolis, Maryland, 201 September 2017. [NAFA link](#)
103. Procedures of Laboratory Fumigation for Pest Control with Nitric Oxide Gas, Y.-B. Liu, X. Yang and T. Masuda, *Journal of Visualized Experiments* (2017) **129**, e56309, doi:10.3791/56309. [JoveLink](#)
104. Modeling Urban Carbon Dioxide Using Light-Rail Measurements and the Modified Stochastic Time-Inverted Lagrangian Transport Model (STILT-R Version 2), B. Fasoli, Masters Thesis (2017), University of Utah, 44 pp. [Link](#)
105. A Study on the Removal of Complex Odor including Acetaldehyde and Ozone over Manganese-Based Catalysts, M. Seo, M. Lee, S. Lee, S. Cho and S. Uhm, *Applied Chemistry for Engineering* (2017) **28**, 2, 193-197. [KoreaScience](#)
106. Ozone Air Pollution in the Mountains and Phytotoxic Ozone Doses for Spruce, S. Bičárová, H. Pavlendová and Z. Sitková, in *Long-Term Ecological Research and Monitoring of Forests: Current Knowledge and Challenges for the Future* (2017), Z. Sitkova and P. Pavlenda (eds.), 150 pp., National Forestry Center – Forest Research Institute, 7-8 November 2017, Zvolen, Slovakia, p. 19-23. [ResearchGate](#)
107. Basic Studies on the Effects of Cold Plasmas on Cutaneous Lipid Systems, J. Hirschberg, Ph.D. Thesis (2017), Technischen Universität Clausthal, 151 pp. [TU-Clausthal Link](#)
108. Comparison of Discharging Electrodes for the Electrostatic Precipitator as an Air Filtration System in Air Handling Units, D.H. Shin, C.G. Woo, H.-J. Kim, Y.-J. Kim and B. Han, *Particle Aerosol Research* (2017) **13**, 1, 11-16. [KoreaScience Link](#)
109. A Novel Approach of Ultraviolet Germicidal Irradiation to Reduce Air Pollution in Indoor Environments, C.-Y. Liu, C.-H. Tseng, H.-C. Wang, C.-F. Dai and Y.-H. Shih, *Preprints* (2017) 2017110145. [PreprintsLink](#)
110. Analysis of Correlationship between Partial Discharge and Ozone Emission in High Voltage Motor Stator Windings as the Index of the Insulation Diagnosis, S.-H. Lee, T.-S. Kong, and H.-D. Kim, Proceedings of the Asia Pacific Conference of the Prognostics and Health Management Society 2017 (2017) **1**, 1, 352-355. [PHM Link](#)
111. Use of the Molecular Beam Mass Spectrometry to Study the Low-Temperature Combustion Chemistry, A. Secco, Master's thesis, Università di Bologna (2017), 217, 77 pp. [UnivBologna Link](#)

## 2016

1. Effect of Highly Processed Calcined Kaolin Residues on Apple Productivity and Quality, D.M. Glenn, *Scientia Horticulturae* (2016) **201**, 101-108. [ScienceDirect](#)
2. Airborne Measurements and Emission Estimates of Greenhouse Gases and Other Trace Constituents from the 2013 California Yosemite Rim Wildfire, E.L. Yates, L.T. Iraci, H.B. Singh, T. Tanaka, M.C. Roby, P. Hamill, C.B. Clements, N. Lareau, J. Contezac, D.R. Blake, I.J. Simpson, A. Wisthaler, T. Mikoviny, G.S. Diskin, A.J. Beyersdorf, Y. Choi, T.B. Ryerson, J.L. Jimenez, P. Campuzano-Jost, M. Loewenstein and W. Gore, *Atmospheric Environment* (2016) **127**, 293-302. [Science Direct](#)
3. Air Quality at Devils Postpile National Monument, Sierra Nevada Mountains, California, USA, J.D. Burley, A. Bytnerowicz, M. Buhler, B. Zielinska, D. Schweizer, R. Cisneros, S. Schilling, J. Chapman Varela, M. McDaniel, M. Horn and D. Dulen, *Aerosol and Air Quality Research* (2016) **16**, 2315-2332. [AAQR.org](#)

4. Vertical Profiles of Black Carbon Measured by Micro-Aethalometer Attached to a Tethered Balloon in Summer in the North China Plain, L. Ran, P. Wang and Z. Deng, poster A2: ID.10663 AMFIC, Institute of Atmospheric Physics, Chinese Academy of Sciences (2016). [ESA link](#)
5. O<sub>3</sub>, CH<sub>4</sub>, CO<sub>2</sub>, CO, NO<sub>2</sub> and NMHC Aircraft Measurements in the Uinta Basin Oil and Gas Region Under Low and High Ozone Conditions in Winter 2012 and 2013, S.J. Oltmans, A. Karion, R.C. Schnell, G. Pétron, D. Helmig, S.A. Montzka, S. Wolter, D. Neff, B.R. Miller, J. Hueber, S. Conley, B.J. Johnson and C. Sweeney, *Elementa* (2016) **4**: 000132, doi:10.12952/journal.elementa.000132. [Elementa](#)
6. Summer Ozone Concentrations in the Vicinity of the Great Salt Lake, J. Horel, E. Crosman, A. Jacques, B. Blaylock, S. Arens, A. Long, J. Sohl and R. Martin, *Atmospheric Science Letters* (2016) **17** (9), 480-486. [Wiley Online Library](#)
7. On the Variability of Ozone in the Equatorial Eastern Pacific Boundary Layer, J.C. Gómez Martín, H. Vömel, T.D. Hay, A.S. Mahajan, C. Ordóñez, M.C. Parrondo Sempere, M. Gil-Ojeda and A. Saiz-Lopez, *Journal of Geophysical Research-Atmospheres* (2016) **121** (18), 11086-11103. [Wiley Online Library](#)
8. Fugitive Emissions from the Bakken Shale Illustrate Role of Shale Production in Global Ethane Shift, E.A. Kort, M.L. Smith, L.T. Murray, A. Gvakharia, A.R. Brandt, J. Peischl, T.B. Ryerson, C. Sweeney and K. Travis, *Geophysical Research Letters* (2016) **43** (9), 4617-4623. [Wiley Online Library](#)
9. A Case Study on Ozone Concentration Levels Inside and Outside a Student Hostel Room in Nanjing City, China, N.V.T. Hieu, Z. Gao, Z. Shao and J. Zhu, in CLIMA 2016—Proceedings of the 12<sup>th</sup> REHVA World Congress (2016) **vol. 7**, P.K. Heiselberg (Ed.), Aalborg University. [Aalborg University link](#)
10. Aerosol Vertical Profiles in the Arctic, M. Mazzola, M. Busetto, L. Ferrero, A. Viola and D. Cappelletti, presented at ARCA Project, Arctic Present Climatic Change and Past Extreme Events, Final Conference, Rome, 11 October 2016. [ARCA link](#)
11. Low-Pressure Plasma Application for the Inactivation of the Seed-borne Pathogen *Xanthomonas campestris*, T. Nishioka, Y. Takai, T. Mishima, M. Kawaradani, H. Tanimoto, K. Okada, T. Misawa and S. Kusakari, *Biocontrol Science* (2016) **21** (1), 37-43. [istage link](#)
12. Low Cost UV-Ozone Reactor Mounted for Treatment of Electrode Anodes Used in P-OLEDs Devices, E.R. Santos, J.I.B. Moraes, C.M. Takahashi, V. Sonnenberg, E.C. Burini, S. Yoshida, H.G. Takimoto, R.K. Onmori and W.S. Hui, *Polimeros* (2016) **26** (3), 236-241. [SciELO Brazil](#)
13. Diel Trends in Stomatal Response to Ozone and Water Deficit: A Unique Relationship of Midday Values to Growth and Allometry in Pima Cotton?, D.A. Grantz, R. Paudel, H.-B. Vu, A. Shrestha and N. Grulke, *Plant Biology* (2016) **18** (S1), 37-46. [Wiley Online Library](#)
14. Leaf Phenology and Insect Grazing of Japanese White Birch Saplings Grown Under Free-Air Ozone Exposure, T. Sakikawa, C. Shi, M. Nakamura, M. Watanabe, M. Oikawa, F. Satoh and T. Koike, *Journal of Agricultural Meteorology* (2016) **72** (2), 80-84. [istage link](#)
15. Attribution of Atmospheric Sulfur Dioxide over the English Channel to Dimethyl Sulfide and Changing Ship Emissions, M. Yang, T.G. Bell, F.E. Hopkins and T.J. Smyth, *Atmospheric Chemistry and Physics* (2016) **16**, 4771-4783. [ACP link](#)
16. Effect of the Blocked-Sites Phenomenon on the Heterogeneous Reaction of Pyrene with N<sub>2</sub>O<sub>5</sub>/NO<sub>3</sub>/NO<sub>2</sub>, P. Zhang, W. Sun, B. Yang, J. Shu and L. Dong, *Royal Society of Chemistry Advances* (2016) **6**, 10358-10364. [RSC link](#)
17. Plasma-Catalytic Oxidation of Adsorbed Toluene on Ag-Mn/γ-Al<sub>2</sub>O<sub>3</sub>: Comparison of Gas Flow-Through and Gas Circulation Treatment, C. Qin, X. Dang, J. Huang, J. Teng and X. Huang, *Chemical Engineering Journal* (2016) **299**, 85-92. [ScienceDirect](#)
18. Optimization of a Nanotechnology Based Antimicrobial Platform for Food Safety Applications Using Engineered Water Nanostructures (EWNs), G. Pyrgiotakis, P. Vedantam, C. Cirenza, J. McDevitt, M. Eleftheriadou, S.S. Leonard and P. Demokritou, *Scientific Reports* (2016) **6**, 21073, doi:10.1038/srep21073. [PMC link](#)
19. Development and Application of a Next generation Air Sensor Network for the Hong Kong Marathon 2015 Air Quality Monitoring, L. Sun, K.C. Wong, P. Wei, S. Ye, H. Huang, F. Yang, D. Westerdahl, P.K.K. Louie, C.W.Y. Luk and Z. Ning, *Sensors* (2016) **16** (2), 211, doi:10.3390/s16020211. [MDPI link](#)
20. The Byproduct Generation Analysis of the NO<sub>x</sub> Conversion Process in Dielectric Barrier Discharge Plasma, Y. Zhang, X. Tang, H. Yi, Q. Yu, J. Wang, F. Gao, Y. Gao, D. Li and Y. Cao, *Royal Society of Chemistry Advances* (2016) **6**, 63946-63953, doi:10.1039/C6RA08488E. [RSC link](#)

21. How Salt Lakes Affect Atmospheric New Particle Formation: A Case Study in Western Australia, K.A. Kamilli, J. Ofner, T. Krause, T. Sattler, P. Schmitt-Kopplin, E. Eitenberger, G. Friedbacher, B. Lendl, H. Lohninger, H.F. Schöler and A. Held, *Science of the Total Environment* (2016) **573**, 985-995. [ScienceDirect](#)
22. Secondary Organic Aerosol Formation Initiated by  $\alpha$ -Terpineol Ozonolysis in Indoor Air, Y. Yang and M.S. Waring, *Indoor Air* (2016) **26**, 939-952, doi:10.1111/ina.12271. [Wiley Online Library](#)
23. Single-Stage PN/A Technology Treating Saline Ammonia-Rich Wastewater: Finding the Balance Between Efficient Performance and Less N<sub>2</sub>O and NO Emissions, Y. Yan, Y. Wang, Y. Chen, X. Lin, M. Wu and J. Chen, *Royal Society of Chemistry Advances* (2016) **6**, 113152-113162. [RSC link](#)
24. Impact of Regional Meteorology on Ozone Levels in the Lake Tahoe Basin, S. Rayne, A. Gertler, B. Zielinska, A. Bytnerowicz, J. Burley and M. Kaplan, *Meteorology and Atmospheric Physics* (2016), 12 pp., doi:10.1007/s00703-016-0471-z. [SpringerLink](#)
25. Evaluation of Ozone Emissions and Exposures from Consumer Products and Home Appliances, Q. Zhang and P.L. Jenkins, *Indoor Air* (2016), 12 pp., doi:10.1111/ina.12307. [Wiley Online Library](#)
26. Using a High-Altitude Balloon Platform to Observe and Measure Ozone Uptake over Agricultural Landscapes in Central Illinois, C. Sabo, *DePaul Discoveries* (2016) **5** (1), Article 18. [DePaul Library](#)
27. Ozone Reaction with Interior Building Materials: Influence of Diurnal Ozone Variation, Temperature and Humidity, D. Rim, E.T. Gall, R.L. Maddalena and W.W. Nazaroff, *Atmospheric Environment* (2016) **125** (A), 15-23. [ScienceDirect](#)
28. Characterization of Total Ecosystem-Scale Biogenic VOC Exchange at a Mediterranean Oak-Hornbeam Forest, S. Schallhart, P. Rantala, E. Nemitz, D. Taipale, R. Tillmann, T.F. Mentel, B. Loubet, G. Gerosa, A. Finco, J. Rinne and T.M. Ruuskanen, *Atmospheric Chemistry and Physics* (2016) **16**, 7171-7194, doi:10.5194/acp-16-7171-2016. [ACP link](#)
29. Tolerance of Elevated Ozone and Water Stress in a California Population of Palmer Amaranth (*Amaranthus palmeri*), R. Paudel, D.A. Grantz, H.-B. Vu and A. Shrestha, *Weed Science* (2016) **64** (2), 276-284. [WSSA link](#) [ResearchGate link](#)
30. Predicting the Evolution of Secondary Organic Aerosol (SOA) Size Distributions Due to Limonene Ozonolysis in Indoor Environments, S. Youssefi and M.S. Waring, *Building and Environment* (2016) **108**, 252-262. [ScienceDirect](#)
31. A Solar Powered Handheld Plasma Source for Microbial Decontamination Applications, Y. Ni, M.J. Lynch, M. Modic, R.D. Whalley and J.L. Walsh, *Journal of Physics D: Applied Physics* (2016) **49** (35), 355203, 8 pp., doi:10.1088.0022-3727/49/35/355203. [IOP Science](#)
32. A New Instrumented Airborne Platform for Atmospheric Research, P. Hamill, L.T. Iraci, E.L. Yates, W. Gore, T. Paul Bui, T. Tanaka and M. Loewenstein, *Bulletin of the American Meteorological Society* (2016) **97** (3), 397-404, doi:10.1175/BAM S-D-14-00241.1. [AMS link](#)
33. Brown Carbon Aerosols from Burning of Boreal Peatlands: Microphysical Properties, Emission Factors, and Implications for Direct Radiative Forcing, R.K. Chakrabarty, M. Gyawali, R.L.N. Yatavelli, A. Pandey, A.C. Watts, J. Knue, L.-W.A. Chen, R.R. Pattison, A. Tsbart, V. Samburova and H. Moosmüller, *Atmospheric Chemistry and Physics* (2016) **16**, 3033-3040, doi:10.5194/acp-16-3033-2016. [ACP Link](#)
34. Toluene Removal by Sequential Adsorption-Plasma Catalytic Process: Effects of Ag and Mn Impregnation Sequence on Ag-Mn/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub>, C. Qin, X. Huang, X. Dang, J. Huang, J. Teng and Z. Kang, *Chemosphere* (2016) **162**, 125-130. [ScienceDirect](#)
35. The Role of Open Lead Interactions in Atmospheric Ozone Variability Between Arctic Coastal and Inland Sites, P.K. Peterson, K.A. Pratt, W.R. Simpson, S.V. Nghiem, L.X. Pérez Pérez, E.J. Boone, D. Pöhler, J. Zielcke, S. General, P.B. Shepson, U. Frieß, U. Platt and B.H. Stirm, *Elementa: Science of the Anthropocene* (2016) **4**: 000109, 9 pp., doi:10.12952/journal.elementa.000109. [Elementa](#)
36. Investigation of the Characteristics of Biofilms Grown in Gas-Phase Biofilters with and without Ozone Injection by CLSM Technique, P. Saingam, J. Xi, Y. Xu and H.-Y. Hu, *Applied Microbiology and Biotechnology* (2016) **100** (4), 2023-2031, doi:10.1007/s00253-015-7100-5. [SpringerLink](#)
37. Ozonolysis of Trimethylamine Exchanged with Typical Ammonium Salts in the Particle Phase, Y. Ge, Y. Liu, B. Chu, H. He, T. Chen, S. Wang, W. Wei and S. Cheng, *Environmental Science and Technology* (2016) **50** (20), 11076-11084, doi:10.1021/acs.est.6b04375. [ES&T link](#) [ResearchGate link](#)
38. Constraints on Arctic Atmospheric Chlorine Production through Measurements and Simulations of Cl<sub>2</sub> and ClO, K.D. Custard, K.A. Pratt, S. Wang, P.B. Shepson, *Environmental Science and Technology* (2016) **50** (22), 12394-12400. [ES&T link](#)

39. The Role of Nitric Oxide Signalling in Response to Salt Stress in *Chlamydomonas reinhardtii*, X. Chen, D. Tian, X. Kong, Q. Chen, Abd\_Allah E.F., X. Hu and A. Jia, *Planta* (2016) **244** (3), 651-669, doi:10.1007/s00425-016-2528-0. [Springer Link](#)
40. Characterization of Nitrous Oxide and Nitric Oxide Emissions from a Full-Scale Biological Aerated Filter for Secondary Nitrification, Y. Wang, H. Fang, D. Zhou, H. Han and J. Chen, *Chemical Engineering Journal* (2016) **299**, 304-313. [ScienceDirect](#)
41. A  $\mu$ s-Pulsed Dielectric Barrier Discharge Source: Physical Characterization and Biological Effects on Human Skin Fibroblasts, R. Tiede, J. Hirschberg, W. Viöl and S. Emmert, *Plasma Processes and Polymers* (2016) **13** (8), 775-787, doi:10.1002/ppap.201500190. [Wiley Online Library](#)
42. The Effect of Particle Acidity on Secondary Organic Aerosol Formation from  $\alpha$ -Pinene Photooxidation under Atmospherically Relevant Conditions, Y. Han, C.A. Stroud, J. Liggio and S.-M. Li, *Atmospheric Chemistry and Physics* (2016) **16**, 13929-13944. [ACP Link](#)
43. Plasma Induced Changes in Human Lipid Composition as Revealed through XPS-Analysis, J. Hirschberg, L. Loewenthal, A. Krupp, S. Emmert and W. Viöl, *Natural Science* (2016) **8**, 125-137. [Scientific Research Publishing](#)
44. Nitric Oxide and Nitrous Oxide Emissions from a Full-Scale Activated Sludge Anaerobic/Anoxic/Oxic Process, Y. Wang, X. Lin, D. Zhou, H. Han and C. Song, *Chemical Engineering Journal* (2016) **289**, 330-340. [ScienceDirect](#)
45. Ozone Phytotoxicity in the Western Carpathian Mountains in Slovakia, S. Bicárová, Z. Sitková and H. Pavlendová, *Forestry Journal* (2016) **62** (2), 77-88, doi:10.1515/forj-2016-0008. [Degruyter link](#)
46. Quantifying Atmospheric Methane Emissions from Oil and Natural Gas Production in the Bakken Shale Region of North Dakota, J. Peischl, A. Karion, C. Sweeney, E.A. Kort, M.L. Smith, A.R. Brandt, T. Yeskoo, K.C. Aikin, S.A. Conley, A. Gvakharia, M. Trainer, S. Wolter and T.B. Ryerson, *Journal of Geophysical Research* (2016) **121** (10), 6101-6111, doi:10.1002/2015JD024631. [Wiley Online Library](#)
47. Removal of NO in Mist by the Combination of Plasma Oxidation and Chemical Absorption, D. Xie, Y. Sun, T. Zhu and L. Ding, *Energy and Fuels* (2016) **30** (6), 5071-5076, doi:10.1021/acs.energyfuels.6b00483. [ACS Link](#)
48. Seasonal Variations in Whole-Ecosystem BVOC Emissions from a Subtropical Bamboo Plantation in China, J. Bai, A. Guenther, A. Turnipseed, T. Duhl, S. Yu and B. Wang, *Atmospheric Environment* (2016) **124** (Part A), 12-21. [ScienceDirect](#)
49. Human Responses to Carbon Dioxide, a Follow-up Study at Recommended Exposure Limits in Non-industrial Environments, X. Zhang, P. Wargocki and Z. Lian, *Building and Environment* (2016) **100**, 162-171. [ScienceDirect](#)
50. Investigation on the Removal of Hydrogen Sulfide in Air Stream Using UV Light, L. Gilardi, Master's Thesis, Politecnico di Milano (2016), 81 pp. [University Library Services](#)
51. Acute Respiratory Response to Traffic-Related Air Pollution during Physical Activity Performance, F. Matt, T. Cole-Hunter, D. Donaire-Gonzalez, N. Kubesch, D. Martinez, G. Carrasco-Turigas and M. Nieuwenhuijsen, *Environment International* (2016) **97**, 45-55. [ScienceDirect](#)
52. Transmittance Optimization for High Sensitivity Ozone Concentration Measurement, T.C.E. Marcus, M.H. Ibrahim, N.H. Ngajikin and A.I. Azmi, *Sensors and Actuators B: Chemical* (2016) **229**, 528-533. [ScienceDirect](#)
53. Particulate Reactive Oxygen Species on Total Suspended Particles – Measurements in Residences in Austin, Texas, S.S. Khurshid, J.A. Siegel and K.A. Kinney, *Indoor Air* (2016) **26**, 953-963, doi:10.1111/ina.12269. [Wiley Online Library](#)
54. Impact of Design Parameters on the Performance of Non-Thermal Plasma Air Purification System, M. Bahri, F. Haghghat, S. Rohani and H. Kazemian, *Chemical Engineering Journal* (2016) **302**, 204-212. [ScienceDirect](#)
55. Pics de Pollution Par L'ozone a Nice: Comparaison entre 2007 et 2015 des Mesures Itinerantes et des Conditions Meteorologiques Associees, N. Martin, XXIXe Colloque de l'Association Internationale de Climatologie, July 2016, Besançon, France. Actes du XXIXe Colloque de l'AIC, p. 63-68, HAL Id: hal-01360900. [HAL Archives](#)
56. Ozonation of Oxalic Acid with an Effective Catalyst Based on Mesoporous MCM-41 Supported Manganese and Cerium Oxides, Z. Jeirani and J. Soltan, *Journal of Water Process Engineering* (2016) **12**, 127-134. [ScienceDirect](#)
57. Characterization of Emissions from a Desktop 3D Printer and Indoor Air Measurements in Office Settings, P. Steinle, *Journal of Occupational and Environmental Hygiene* (2016) **13** (2), 121-132, doi:10.1080/15459624.2015.1091957. [Taylor&FrancisOnline](#)
58. Performance of Wearable Ionization Air Cleaners: Ozone Emission and Particle Removal, S. Shi, S. Zhu, E.S. Lee, B. Zhao and Y. Zhu, *Aerosol Science and Technology* (2016) **50** (3), 211-221. [Taylor&FrancisOnline](#)
59. Light Intensity Affects Ozone-Induced Stomatal Sluggishness in Snapbean, Y. Hoshika, A. De Marco, A. Materassi and E. Paoletti, *Water, Air, & Soil Pollution* (2016) **227**:419, 7 pp., doi:10.1007/s11270-016-3127-1. [SpringerLink](#)
60. Exposure to Ozone Reduces Postharvest Quality Loss in Red and Green Chilli Peppers, M. Glowacz and D. Rees, *Food Chemistry* (2016) **210**, 305-310. [ScienceDirect](#)

61. Observing Entrainment Mixing, Photochemical Ozone Production, and Regional Methane Emissions by Aircraft Using a Simple Mixed-Layer Framework, J.F. Trousdell, S.A. Conley, A. Post and I.C. Faloona, *Atmospheric Chemistry and Physics* (2016) **16** (24), 15433-15450. [ACP Link](#) [ProQuest](#)
62. N<sub>2</sub>O<sub>5</sub> Formation Mechanism during the Ozone-Based Low-Temperature Oxidation of NO<sub>x</sub> Process, F. Lin, Z. Wang, Q. Ma, Y. He, R. Whiddon, Y. Zhu and J. Liu, *Energy & Fuels* (2016) **30** (6), 5101-5107, doi:10.1021/acs.energyfuels.6b00824. [ACS link](#) [ResearchGate Link](#)
63. Anthropogenic Sulfur Perturbations on Biogenic Oxidation: SO<sub>2</sub> Additions Impact Gas-Phase OH Oxidation Products of  $\alpha$ - and  $\beta$ -Pinene, B. Friedman, P. Brophy, W.H. Brune and D.K. Farmer, *Environmental Science & Technology* (2016) **50** (3), 1269-1279. [ACS link](#)
64. Wireless Sensor Network to Monitoring an Ozone Sterilizer, G.R. Luqueta, E.D. Santos, R.S. Pessoa and H.S. Maciel, *IEEE Latin America Transactions* (2016) **14** (5), 2167-2174. [ResearchGate](#) [IEEEExplore](#)
65. Cold Season Emissions Dominate the Arctic Tundra Methane Budget, D. Zona, B. Gioli, R. Commane, J. Lindaas, S.C. Wofsy, C.E. Miller, S.J. Dinardo, S. Dengel, C. Sweeney, A. Karion, R.Y.-W. Chang, J.M. Henderson, P.C. Murphy, J.P. Goodrich, V. Moreaux, A. Liljedahl, J.D. Watts, J.S. Kimball, D.A. Lipson and W.C. Oechel, *Proceedings of the National Academy of Sciences* (2016) **113** (1), 40-45, doi:10.1073/pnas.1516017113. [PNAS link](#)
66. Oil and Gas Impacts on Air Quality in Federal Lands in the Bakken Region: An Overview of the Bakken Air Quality Study and First Results, A.J. Prenni, D.E. Day, A.R. Evanowski-Cole, B.C. Sive, A. Hecobian, Y. Zhou, K.A. Gebhart, J.L. Hand, A.P. Sullivan, Y. Li, M.I. Schurman, Y. Desyaterik, W.C. Malm, J.L. Collett Jr. and B.A. Schichtel, *Atmospheric Chemistry and Physics* (2016) **16**, 1401-1416. [Atmos Chem Phys](#)
67. Documentação cafeeira das cidades do Fundo do Vale do Paraíba paulista: concentração e desconcentração da documentação cartorária e judicial custodiada ao Museu Major Novaes Cruzeiro/SP, C.M. da Silva, Master's Thesis (2016), University of São Paulo, 114 pp. [UnivSãoPaulo link](#)
68. Reference and Equivalent Methods Used to Measure National Ambient Air Quality standards (NAAQS) Criteria Air Pollutants – Volume I, J.H. Gilliam and E.S. Hall, Environmental Protection Agency, Office of Research and Development, National Exposure Research Laboratory (2016), EPA/600/R-16/139, 108 pp. [ResearchGate](#)
69. Clay-Based Materials for Passive Control of Ozone and Reaction Byproducts in Buildings, E.K. Darling, Ph.D. Thesis, University of Texas at Austin (2016), 223 pp. [UTexasLink](#)
70. Investigating Feedbacks from Soil Trace Gas Fluxes of Carbon Dioxide and Nitrogen Oxides to Anthropogenic Nitrogen Deposition and Climate Change, J. Eberwein, Ph.D. Thesis, University of California Riverside (2016), 122 pp. [eScholarship](#)
71. The Influences of Wildfires and Stratospheric-Tropospheric Exchange on Ozone During SEACIONS Mission over St. Louis, J.L. Wilkins, Ph.D. Thesis, Saint Louis University (2016), ~112 pp. [ProQuest link](#)
72. Studies of Arctic Tropospheric Ozone Depletion Events Through Bouy-Based Observations and Laboratory Studies, J.W. Halfacre, Ph.D. Thesis, Purdue University (2016), 256 pp. [Purdue link](#)
73. Causes and Consequences of Tree Growth, Injury, and Decay in Sierra Nevada Forest Ecosystems, S.J.M. Cousins, Ph.D. Thesis, University of California Berkeley (2016), 131 pp. [eScholarship](#)
74. Effect of Doping Metals on OMS-2/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Catalysts for Plasma-Catalytic Removal of o-Xylene, L. Wang, C. Zhang, H. He, F. Liu and C. Wang, *The Journal of Physical Chemistry C* (2016) **120** (11), 6136-6144. [ACS Link](#)
75. Effects of Precursors for Manganese-Loaded  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Catalysts on Plasma-Catalytic Removal of o-Xylene, L. Wang, H. He, C. Zhang, Y. Wang and B. Zhang, *Chemical Engineering Journal* (2016) **288**, 406-413. [ScienceDirect](#)
76. Removal of Ozone by Carbon Nanotubes/Quartz Fiber Film, S. Yang, J. Nie, F. Wei and X. Yang, *Environmental Science and Technology* (2016) **50** (17), 9592-9598. [ACS Link](#)
77. The Experimental Study of Ozone reaction with Indoor VOCs from Pinewood and Its Secondary Ultrafine Particle Pollution, R. Chen, J. Pei and J. Liu, International Society of Indoor Air Quality and Climate (ISIAQ) Proceedings of the 14<sup>th</sup> International Conference on Indoor Air Quality and Climate (2016), 3-8 July 2016, Ghent, Belgium, paper 480, pp. 1009-1016. [PDF at 2B Tech Archive](#)
78. Volatile Organic Compounds (VOCs) Formation Due to Interactions between Ozone and Skin-Oiled Clothing: Measurements by Extraction-Analysis-Reaction Method, S. Yang, K. Gao and X. Yang, *Building and Environment* (2016) **103**, 146-154. [ScienceDirect](#)
79. The Photoenhanced Aging Process of Soot by the Heterogeneous Ozonization Reaction, C. Han, Y. Liu and H. He, *Physical Chemistry Chemical Physics* (2016) **18**, 24401-24407. [RSC Link](#)

80. Efficient Degradation of Gaseous Benzene by VUV Photolysis Combined with Ozone-Assisted Catalytic Oxidation: Performance and Mechanism, Hu. Huang, Ha. Huang, Y. Zhan, G. Liu, X. Wang, H. Lu, L. Xiao, Q. Feng and D.Y.C. Leung, *Applied Catalysis B: Environmental* (2016) **186**, 62-68. [ScienceDirect](#)
81. Evaluation and Comparison of Methods for Measuring Ozone and Nitrogen Dioxide Concentrations in Ambient Air during DISCOVER-AQ, R.W. Long, M.R. Beaver, R.M. Duvall, J.J. Szykman, S. Kaushik, K.G. Kronmiller, M.L. Wheeler and S. Garvey, *em The Magazine for Environmental Managers* (2016), A&WMA, August issue. [Link](#)
82. Hydrocarbon Emission from Oil and Gas Production Activity in Northeastern Oklahoma - Wintertime Measurements in 2015 and 2016, B. Ghosh, American Geophysical Union, Fall Meeting 2016, Abstract #A14A-08 (2016). [Link](#)
83. In Situ Secondary Organic Aerosol Formation from Ambient Pine Forest Air Using an Oxidation Flow Reactor, B. B. Palm, P. Campuzano-Jost, A. M. Ortega, D. A. Day, L. Kaser, W. Jud, T. Karl, A. Hansel, J. F. Hunter, E. S. Cross, J. H. Kroll, Z. Peng, W. H. Brune and J. L. Jimenez, *Atmospheric Chemistry and Physics* (2016) **16**, 2943-2970. [ACP Link](#)
84. Real-Time Measurements of Secondary Organic Aerosol Formation and Aging from Ambient Air in an Oxidation Flow Reactor in the Los Angeles Area, A. M. Ortega, P. L. Hayes, Z. Peng, B. B. Palm, W. Hu, D.A. Day, R. Li, M. J. Cubison, W. H. Brune, M. Graus, C. Warneke, J. B. Gilman, W. C. Kuster, J. A. de Gouw and J. L. Jimenez, *Atmospheric Chemistry and Physics* (2016) **15**, 7411-7433. [ACPLink](#)
85. *In Vitro* Toxicological Evaluation of Airborne Copper-Based Nanoparticles, E. Burns, Master's Thesis (2016), Dalhousie University, 97 pp. [DalhousieLink](#)
86. The Emission Characteristics of Nitrous Oxide and Nitric Oxide and Related Influence Factors in an Aeration Tank of a Municipal Wastewater Treatment Plant Using an A2/O Process, H.-C. Han, D. Zhou, Y.-Y. Wang, J. Chen and C.-K. Song, *China Environmental Science* (2016) **36** (2), 398-405. [PDF at 2B Tech Archive](#)
87. Use of Ozone for Inactivation of Bacteria and Viruses in Cryostats, I. Maier and T. Chu, *Journal of Cytology & Histology* (2016) **7**, 3. [SquareSpace Link](#)
88. Pics de Pollution Par L'ozone A Nice : Comparaison Entre 2007 et 2015 Des Mesures Itinerantes et Des Conditions Meteorologiques Associees, N. Martin, *XXIXe Colloque de l'Association Internationale de Climatologie* (2016), Jul 2016, Besançon, France. pp.63-68. hal-01360900. [PDF in 2B Tech Archive](#)

## 2015

1. Comparison of Conventional and Green Building Materials in Respect of VOC Emissions and Ozone Impact on Secondary Carbonyl Emissions, Yu-Hsiang Cheng, Chi-Chi Lin and Shu-Chen Hsu, *Building and Environment* (2015) **87**, 274-282. [ScienceDirect](#)
2. The Nevada Rural Ozone Initiative (NVROI): Insights to Understanding Air Pollution in Complex Terrain, M.S. Gustin, R. Fine, M. Miller, D. Jaffe and J. Burley, *Science of the Total Environment* (2015) **530-531**, 255-470. [ScienceDirect](#)
3. Alternative Wavelength for Linearity Preservation of Beer–Lambert Law in Ozone Concentration Measurement, Tay C. E. Marcus, Michael David, Maslina Yaacob, Mohd R. Salim, Nabihah Hussin, Mohd H. Ibrahim, Nor H. Ngajikin, Asrul I. Azmi, Sevia M. Idrus and Zolkafle Buntat, *Microwave and Optical Technology Letters* (2015) **57**, 1013-1016. [Wiley Online Library](#)
4. Indoor Transient SOA Formation from Ozone +  $\alpha$ -Pinene Reactions: Impacts of Air Exchange and Initial Product Concentrations, and Comparison to Limonene Ozonolysis, Somayeh Youssefi and Michael S. Waring, *Atmospheric Environment* (2015) **112**, 106-115. [ScienceDirect](#)
5. A Method to Measure the Ozone Penetration Factor in Residences Under Infiltration Conditions: Application in a Multifamily Apartment Unit, H. Zhao and B. Stephens, *Indoor Air* (2015) doi:10.1111/ina.12228. [Wiley Online Library](#)
6. Gas Sensing Properties of Indium–Gallium–Zinc–Oxide Gas Sensors in Different Light Intensity, Kuen-Lin Chen, Guo-Jhen Jiang, Kai-Wei Chang, Jan-Han Chen, Chiu-Hsien Wu, *Analytical Chemistry Research* (2015) **4**, 8-12. [Science Direct](#)
7. Personal Monitoring of Ozone Exposure: A Fully Portable Device for Under \$150 USD Cost, Tingting Cao and Jonathan E. Thompson, *Sensors and Actuators B: Chemical* (2015) **224**, 936-943. [Science Direct](#)
8. Wide Range Analysis of Absorption Spectroscopy Ozone Gas Sensor, Maslina Yaacob, Mohd Rashidi Salim, Tay Ching En Marcus, Micheal David, Nabihah Hussin, Mohd Haniff Ibrahim, Nor Hafizah Ngajikin and Asrul Izam Azmi, *Jurnal Teknologi* (2015), **73**, 57-

62. [Jurnal Teknologi](#)

9. Updated Ozone Absorption Cross Section Will Reduce Air Quality Compliance, E. D. Sofen, M. J. Evans and A. C. Lewis, *Atmos. Chem. Phys.* (2015) **15**, 13627-13632. [Atmos Chem Phys](#)
10. Langley Mobile Ozone Lidar (LMOL) Results from the Denver, CO DISCOVER-AQ Campaign, Russell De Young, William Carrion, Denis Pliutau and Rene Ganoë, *Proc. SPIE 9645, Lidar Technologies, Techniques, and Measurements for Atmospheric Remote Sensing XI* (2015) **Vol. 9645**, doi:10.1117/12.2195479. [SPIE Digital Library](#)
11. Quantification of the Depletion of Ozone in the Plume of Mount Etna, L. Surl, D. Donohoue, A. Aiuppa, N. Bobrowski and R. von Glasow, *Atmospheric Chemistry and Physics* (2015) **15**, doi:10.5194/acp-15-2613-2015. [Atmos Chem Phys](#)
12. Impact of Cabin Ozone Concentrations on Passenger Reported Symptoms in Commercial Aircraft, Gabriel Bekö, Joseph G. Allen, Charles J. Weschler, Jose Vallarino and John D. Spengler, *PLOS ONE* (2015) doi:10.1371/journal.pone.0128454. [PLOS ONE](#)
13. A New Ozone Concentration Regulator, Michael David, Tay Ching En Marcus, Maslina Yaacob, Mohd Rashidi Salim, Nabihah Hussin, Mohd Haniff Ibrahim, Sevia Mahdaliza Idrus, Nor Hafizah Hgajikin, Asrul Izam Azmi, *Indonesian Journal of Electrical Engineering and Computer Science* (2015) **13**, 329-336. [IAES](#)
14. Modeling Ozone Removal to Indoor Materials, Including the Effects of Porosity, Pore Diameter, and Thickness, Elliott T. Gall, Jeffrey A. Siegel and Richard L. Corsi (2015) *Environmental Science and Technology* **49**, 4398-4406. [ES&T](#)
15. Application of Silver Decorated Carbon Nanotubes for Environmental Ozone Sensing, S. Capula Colindres, G. Terán, V. Garibay Febles, L. A. Villa Vargas and J. R. Vargas García, In *Materials Characterization* (2015) pp 43-50. [SpringerLink](#)
16. Effects of Ozone-Induced Stomatal Closure on Ozone Uptake and Its Changes Due to Leaf Age in Sun and Shade leaves of Siebold's Beech, Yasutomo Hoshika, Makoto Watanabe, Naoki Inada and Takayoshi Koike, *Journal of Agricultural Meteorology* (2015) **71**, 218-226. [Journal of Agricultural Meteorology](#)
17. Photocatalytic Concrete Pavements: Laboratory Investigation of NO Oxidation Rate Under Varied Environmental Conditions, J. K. Sikkema, S. K. Ong and J. E. Alleman, *Construction and Building Materials* (2015) **100**, 305-314. [ScienceDirect](#)
18. Chemical Aging of Single and Multicomponent Biomass Burning Aerosol Surrogate Particles by OH: Implications for Cloud Condensation Nucleus Activity, J. H. Slade, R. Thalman, J. Wang and D. A. Knopf, *Atmospheric Chemistry and Physics* (2015) **15**, 10183-10201. [Atmos Chem Phys](#)
19. Real-Time Measurements of Ozone and UV Radiation during Pyrotechnic Displays, Sandra Caballero, Nuria Galindo, Ramón Castañer, Joaquín Giménez and Javier Crespo, *Aerosol and Air Quality Research* (2015) **15**, 2150-2157. [PDF](#)
20. Research on Emissions, Air Quality, Climate, and Cooking Technologies in Northern Ghana (REACTING): Study Rationale and Protocol, Katherine L Dickinson, Ernest Kanyomse, Ricardo Piedrahita, Evan Coffey, Isaac J. Rivera, James Adoctor, Rex Alirigia, Didier Muvandimwe, MacKenzie Dove, Vanja Dukic, Mary H. Hayden, David Diaz-Sanchez, Adoctor Victor Abisiba, Dominic Anaseba, Yolanda Hagar, Nicholas Masson, Andrew Monaghan, Atsu Titiati, Daniel F. Steinhoff, Yueh-Ya Hsu, Rachael Kaspar, Bre'Anna Brooks, Abraham Hodgson, Michael Hannigan, Abraham Rexford Oduro and Christine Wiedinmyer, *BMC Public Health* (2015) **15**. [BioMed Central](#)
21. Bay Breeze Influence on Surface Ozone at Edgewood, MD During July 2011, Ryan M. Stauffer, Anne M. Thompson, Douglas K. Martins, Richard D. Clark, Daniel L. Goldberg, Christopher P. Loughner, Ruben Delgado, Russell R. Dickerson, Jeffrey W. Stehr and Maria A. Tzortziou, *Journal of Atmospheric Chemistry* (2015) **72**, 335-353. [Springer](#)
22. Design and Evaluation of the Field-Deployable Electrostatic Precipitator with Superhydrophobic Surface (FDEPSS) with High Concentration Rate, Taewon Han, Huajun Zhen, Donna E. Fennell and Gediminas Mainelis, *Aerosol and Air Quality Research* (2015) **15**, 2397-2408. [PDF at Research Gate](#)
23. Stability of Polycyclic Aromatic Compounds in Polyurethane Foam-Type Passive Air Samplers Upon O<sub>3</sub> Exposure, Narumol Jariyasopit, Youngchun Liu, John Liggio and Tom Harner, *Atmospheric Environment* (2015) **120**, 200-204. [ScienceDirect](#)
24. Ozone Concentrations, Flux and Potential Effect on Yield During Wheat Growth in the Northwest-Shandong Plain of China, Zhilin Zhu, Xiaomin Sun, Fenghua Zhao and Franz X. Meixner, *Journal of Environmental Science* (2015) **34**, 1-9. [ScienceDirect](#)

25. Evidence for an N-methyl Transfer Reaction in Phosphatidylcholines with a Terminal Aldehyde During Negative Electrospray Ionization Tandem Mass Spectrometry, Ann-Charlotte Almstrand, Christopher Johnson and Robert C. Murphy, *Analytical and Bioanalytical Chemistry* (2015) **407**, 5045-5052. [SpringerLink](#)
26. Characterisation of CIME, an Experimental Chamber for Simulating Interactions Between Materials of the Cultural Heritage and the Environment, A. Chabas, A. Fouqueau, M. Attoui, S. C. Alfaro, A. Petitmangin, A. Bouilloux, M. Saheb, A. Coman, T. Lombardo, N. Grand, P. Zapf, R. Berardo, M. Duranton, R. Durand-Jolibois, M. Jerome, E. Pangui, J. J. Correia, I. Guillot and S. Nowak, *Environmental Science and Pollution Research* (2015) **22**, 19170-19183. [SpringerLink](#)
27. Estimation of Ozone Concentrations Above Forests Using Atmospheric Observations at Urban Air Pollution Monitoring Stations, Masabumi Komatsu, Kenichi Y. Oshimura, Saori Fujii, Kenichi Y. Azaki, Hiroyuki T. Obita, Yasuko M. Izoguchi, Takafumi Miyama, Yuji K. Ominami, Yukio Y. Asuda, Katsumi Y. Amano and Mitsutoshi K. Itao, *Journal of Agricultural Meteorology* (2015) **71**, 202-210. [Journal of Agricultural Meteorology](#)
28. Effects of Long-Term Ambient Ozone Exposure on Biomass and Wood Traits in Poplar Treated with Ethylenediurea (EDU), G. Carrieroa, G. Emilianib, A. Giovannellib, Y. Hoshikaa, W. J. Manningc, M. L. Traversib and E. Paolettia, *Environmental Pollution* (2015) **206**, 575-581. [ScienceDirect](#)
29. Growth Overcompensation Against O<sub>3</sub> Exposure in Two Japanese Oak Species, *Quercus mongolica* var. *crispula* and *Quercus serrata*, Grown under Elevated CO<sub>2</sub>, Mitsutoshi Kitao, Masabumi Komatsu, Kenichi Yazaki, Satoshi Kitaoka and Hiroyuki Tobita, *Environmental Pollution* (2015) **206**, 133-141. [Research Gate](#)
30. Design and Application of a Mobile Ground-Based Observatory for Continuous Measurements of Atmospheric Trace Gas and Criteria Pollutant Species, S. E. Bush, F. M. Hopkins, J. T. Randerson, C. -T. Lai and J. R. Ehleringer, *Atmospheric Measurement Techniques* (2015) **8**, 3481-3492. [eScholarship](#)
31. Arterial Blood Pressure Responses to Short-Term Exposure to Low and High Traffic-Related Air Pollution with and without Moderate Physical Activity, N. Kubesch, A. De Nazelle, S. Guerra, D. Westerdahl, D. Martinez, L. Bouso, G. Carrasco-Turigas, B. Hoffmann, M. J. Nieuwenhuijsen, *European Journal of Preventive Cardiology* (2015) **22**, 548-557. [Sage Journals](#)
32. Removal of Gas Phase Low-Concentration Toluene over Mn, Ag and Ce Modified HZSM-5 Catalysts by Periodical Operation of Adsorption and Non-Thermal Plasma Regeneration, Wenzheng Wang, Honglei Wang, Tianle Zhu and Xing Fan, *Journal of Hazardous Materials* (2015) **292**, 70-78. [ScienceDirect](#)
33. Bidirectional Flux of Methyl Vinyl Ketone and Methacrolein in Trees with Different Isoprenoid Emission Under Realistic Ambient Concentrations, Silvano Fares, Elena Paoletti, Francesco Loreto and Federico Brilli, *Environmental Science and Technology* (2015) **49**, 7735-7742. [ES&T](#)
34. The State of Ambient Air Quality in Two Ugandan Cities: A Pilot Cross-Sectional Spatial Assessment, Bruce J. Kirenga, Qingyu Meng, Frederik van Gemert, Hellen Aanyu-Tukamuhebwa, Niels Chavannes, Achilles Katamba, Gerald Obai, Thys van der Molen, Stephan Schwander and Vahid Mohsenin, *International Journal of Environmental Research and Public Health* (2015) **12**, 8075-8091. [IJERPH](#)
35. The Effects of Different Calibration and Frequency Response Correction Methods on Eddy Covariance Ozone Flux Measured with a Dry Chemiluminescence Analyzer, Zhilin Zhua, Fenghua Zhaoa, Linda Vossb, Liukang Xuc, Xiaomin Suna, Guirui Yua and Franz X. Meixner, *Agricultural and Forest Meteorology* (2015) **213**, 114-125. [ScienceDirect](#)
36. The Effects of Mn<sup>2+</sup> Precursors on the Structure and Ozone Decomposition Activity of Cryptomelane-Type Manganese Oxide (OMS-2) Catalysts, Caixia Wang, Jinzhu Ma, Fudong Liu, Hong He and Runduo Zhang, *Journal of Physical Chemistry* (2015) **119**, 23119-23126. [J Phys Chem](#)
37. Effects of Acute O<sub>3</sub> Stress on PSII and PSI Photochemistry of Sensitive and Resistant Snap Bean Genotypes (*Phaseolus vulgaris* L.), Probed by Prompt Chlorophyll "a" Fluorescence and 820 nm Modulated Reflectance, Elisabetta Salvatori, Lina Fusaro, Reto J. Strasser, Filippo Bussottc and Fausto Manes, *Plant Physiology and Biochemistry* (2015) **97**, 368-377. [ScienceDirect](#)
38. Reactive Uptake of Ammonia to Secondary Organic Aerosols: Kinetics of Organonitrogen Formation, Y. Liu, J. Liggio, R. Staebler and S. -M. Li, *Atmospheric Chemistry and Physics* (2015) **15**, 13569-13584. [Atmos Chem Phys](#)
39. Performance and Effectiveness of Portable Air Cleaners in an Office Room: An Experimental Study, Siamak Rahimi Ardkapan, Alireza Afshari and Niels Christian Bergsøe, *Journal of Civil Engineering and Architecture* (2015) **9**, 757-766. [PDF](#)

40. Measurements and Modeling of Ozone Fluxes in and Above Norway Spruce Canopies, Linda Voß, Ph.D. Thesis (2015), Johannes Gutenberg University, Mainz, Germany. [ArchiMed](#)
41. The Influence of Warm-Season Precipitation on the Diel Cycle of the Surface Energy Balance and Carbon Dioxide at a Colorado Subalpine Forest Site, S.P. Burns, P.D. Blanken, A.A. Turnipseed, J. Hu and R.K. Monson, *Biogeosciences* (2015) **12**, 7349-7377. [BG Link](#)
42. Fotokatalytisk Oxidation för en Reducering av Lättflyktiga Kolväten (Photocatalytic Oxidation for VOC Abatement), Henry Persson (2015) MSc Thesis, KTH Royal Institute of Technology. [DiVA PDF](#)
43. Field Assessment of the Village Green Project: An Autonomous Community Air Quality Monitoring System, Wan Jiao, Gayle S. W. Hagler, Ronald W. Williams, Robert N. Sharpe, Lewis Weinstock and Joann Rice, *Environmental Science and Technology* (2015) **49**, 6085-6092. [ES&T](#)
44. Unusually High Soil Nitrogen Oxide Emissions Influence Air Quality in a High-Temperature Agricultural Region, P. Y. Oikawa, C. Ge, J. Wang, J. R. Eberwein, L. L. Liang, L. A. Allsman, D. A. Grantz and G. D. Jenerette, *Nature Communications* (2015) **6**, doi:10.1038/ncomms9753. [Nature Communications](#)
45. Modeling the Radical Chemistry in an Oxidation Flow Reactor: Radical Formation and Recycling, Sensitivities, and the OH Exposure Estimation Equation, Rui Li, Brett B. Palm, Amber M. Ortega, James Hlywiak, Weiwei Hu, Zhe Peng, Douglas A. Day, Christoph Knote, William H. Brune, Joost A. de Gouw and Jose L. Jimenez, *Journal of Physical Chemistry A* (2015) **119**, 4418-4432. [ACS Pubs](#)
46. Black Carbon, Particle Number Concentration and Nitrogen Oxide Emission Factors of Random In-Use Vehicles Measured with the On-Road Chasing Method, I. Ježek, T. Kutrašnik, D. Westerdahl and G. Močnik, *Atmospheric Chemistry and Physics* (2015) **15**, doi:10.5194/acp-15-11011-2015. [Atmos Chem Phys](#)
47. The Nexus of Energy and Health : A Systems Analysis of Costs and Benefits of Ozone Control by Activated Carbon Filtration in Buildings, Josh Ryan Aldred, Ph.D. Thesis, University of Texas, Austin, Texas (2015). [Texas Scholar Works](#)
48. Novel Wire-On-Plate Electrostatic Precipitator (WOP-EP) for Controlling Fine Particle and Nanoparticle Pollution, Ziyi Li, Yingshu Liu, Yi Xing,, Thi-Minh-Phuong Tran, Thi-Cuc Le and Chuen-Jinn Tsai, *Environmental Science and Technology* (2015) **49**, 8683-8690. [ES&T](#)
49. Evaluation of Diesel Fleet Emissions and Control Policies from Plume Chasing Measurements of On-Road Vehicles, Chui Fong Lau, Agata Rakowska, Thomas Townsend, Peter Brimblecombe, Tat Leung Chan, Yat Shing Yam, Griša Močnik and Zhi Ning, *Atmospheric Environment* (2015) **122**, 171-182. [ScienceDirect](#)
50. Formation of Secondary Organic Aerosol due to Terpenoid Ozonolysis in Ventilated Settings, Somayeh Youssefi, Ph.D. Thesis, Drexel University (2015). [ProQuest](#)
51. Spatial Variation of Aerosol Chemical Composition and Organic Components Identified by Positive Matrix Factorization in the Barcelona Region, Claudia Mohr, Peter F. DeCarlo, Maarten F. Heringa, Roberto Chirico, René Richter, Monica Crippa, Xavier Querol, Urs Baltensperger and André S. H. Prévôt, *Environmental Science and Technology* (2015) **49**, 10421-10430. [ES&T](#)
52. Material, Optical and Electro-Optical Characterization of Si and Si-Based Devices Under the Influence of High Energy Radiation, Shweta Bhandaru, Ph.D. Thesis, Vanderbilt University (2015). [PDF](#)
53. Mass-Independent Sulfur Isotope Fractionation During Photochemistry of Sulfur Dioxide, Adrew Whitehill, Ph.D. Thesis, Massachusetts Institute of Technology (2015). [MIT](#)
54. Particulate Reactive Oxygen Species in Indoor and Outdoor Environments: Prevalence and Health Effects, Shahana Sarfraz Khurshid, Ph.D. Thesis, University of Texas, Austin, Texas (2015). [Texas Scholar Works](#)
55. Capítulo 4, Aplicaciones al Control de Calidad del Aire (Chapter 4, Applications to Air Quality Control), Agustín Ezcurra Talegón and Lorenzo Díaz de Apodaca; In Los Drones y sus Aplicaciones a la Ingeniería Civil (Drones and Applications in Civil Engineering), Madrid, (2015). [PDF](#)
56. Measurements of Ozone Absorption Cross Section with Ratiometric and Non-Ratiometric Methods, Tay Ching En Marcus, Mohd Haniff Ibrahim and Nor Hafizah Ngajikin, *Ukrainian Journal of Physical Optics* (2015) **16**, 61-67. [PDF](#)

57. Stability Improvement of Nonthermal Atmospheric Pressure Plasma Jet Using Electric Field Dispersion, Changmin Lee, Taejung Kim, Hyungjun Park and Sang Sik Yang, *Microelectronic Engineering* (2015) **145**, 153-159. [ScienceDirect](#)
58. Searching for Common Responsive Parameters for Ozone Tolerance in 18 Rice Cultivars in India: Results from Ethylenediurea Studies, Ashutosh K. Pandey, Baisakhi Majumder, Sarita Keski-Saari, Sari Kontunen-Soppela, Ashvarya Mishra, Nayan Sahu, Vivek Pandey and Elina Oksanen, *Science of the Total Environment* (2015) **532**, 230-238. [ScienceDirect](#)
59. Portable Microwave Air Plasma Device for Wound Healing, S. K. Kang, H. Y. Kim, G. S. Yun and J. K. Lee, *Plasma Sources Science and Technology* (2015) **24**, 035020. [IOPSCIENCE](#)
60. Effects of Condensed-Phase Oxidants on Secondary Organic Aerosol Formation, Kelly E. Daumit, Anthony J. Carrasquillo, Rebecca A. Sugrue and Jesse H. Krol, *Journal of Physical Chemistry A* (2015) doi:10.1021/acs.jpca.5b06160. [J Phys Chem](#)
61. Responses of Mustard (*Brassica campestris*) and Rice (*Oryza sativa*) Cultivars to Tropospheric Ozone in India, Results from EDU Treatments, Ashutosh Kumar Pandey, Ph.D. Thesis, University of Eastern Finland (2015). [UEF](#)
62. Oxidation of Atmospheric Organic Carbon: Interconnecting Volatile Organic Compounds, Intermediate-Volatility Organic Compounds, and Organic Aerosol, James Freeman Hunter, Ph.D. Thesis, Massachusetts Institute of Technology (2015). [DSpace@MIT](#)
63. Light-Activated Resistive Ozone Sensing at Room Temperature Utilizing Nanoporous In<sub>2</sub>O<sub>3</sub> Particles: Influence of Particle Size, Dominik Klaus, Danielle Klawinski, Sabrina Amrehn, Michael Tiemann and Thorsten Wagner, *Sensors and Actuators B: Chemical* (2015) **217**, 181-185. [ScienceDirect](#)
64. Fast Gas Concentration Sensing by Analyzing the Rate of Resistance Change, Chiu-Hsien Wu, Guo-Jhen Jiang, Cheng-Chung Chiu, Paul Chong, Chien-Chung Jeng, Ren-Jang Wu and Jan-Han Chen, *Sensors and Actuators B: Chemical* (2015), **209**, 906-910. [Science Direct](#)
65. Surface Ozone in the Lake Tahoe Basin, Joel D Burley, Sandra Theiss, Andrzej Bytnerowicz, Alan Gertler, Susan Schilling and Barbara Zielinska, *Atmospheric Environment* (2015) **109**, 351-369. [ScienceDirect](#)
66. Deposition Velocities and Impact of Physical Properties on Ozone Removal for Building Materials, Ch-Chi Lin and Shu-Chin Hsu, *Atmospheric Environment* (2015) **101**, 194-199. [ScienceDirect](#)
67. Influence of Continuous Exposure to Gaseous Ozone on the Quality of Red Bell Peppers, Cucumbers and Zucchini, M. Glowacz, R. Colgan and D. Rees, *Postharvest Biology and Technology* (2015) **99**, 1-8. [ScienceDirect](#)
68. Radiolytic Yield of Ozone in Air for Low Dose Neutron and X-ray/Gamma Radiation, J. Cole, S. Su, R. E. Blakeley, P. Koonath and A. A. Hecht, *Radiation Physics and Chemistry* (2015) **106**, 95-98. [ScienceDirect](#)
69. Eddy Covariance Flux Measurements of Gaseous Elemental Mercury Using Cavity Ring-Down Spectroscopy, A. M. Pierce, C. W. More, G. Wohlfahrt, L. Hörtnagl, N. Kljun and D. Obrist, *Environmental Science and Technology* (2015) **49**, 1559-1568. [ES&T](#)
70. Chemical and Toxicological Evolution of Carbon Nanotubes During Atmospherically Relevant Aging Processes, Yongchun Liu, John Liggio, Shao-Meng Li, Dalibor Breznan, Renaud Vincent, Errol M. Thomson, Premkumari Kumarathasan, Dharani Das, Jonathan P. D. Abbatt, Maria Antiñolo, Lynn M. Russell, *Environmental Science and Technology* (2015) **49**, 2806-2814. [ES&T](#)
71. Identification of Oxidized Phospholipids in Bronchoalveolar Lavage Exposed to Low Ozone Levels Using Multivariate Analysis, Ann-Charlotte Almstrand, Dennis Voelker and Robert C. Murphy, *Analytical Biochemistry* (2015) **474**, 50-58. [ScienceDirect](#)
72. Application of High-Resolution Time-Of-Flight Chemical Ionization Mass Spectrometry Measurements to Estimate Volatility Distributions of  $\alpha$ -Pinene and Naphthalene Oxidation Products, P. S. Chhabra, A. T. Lambe, M. R. Canagaratna, H. Stark, J. T. Jayne, T. B. Onasch, P. Davidovits, J. R. Kimmel and D. R. Worsnop, *Atmospheric Measurement Techniques* (2015) **8**, 1-18. [Atmos Meas Tech](#)
73. Study on the Air Pollution in Typical Transportation Microenvironment: Characteristics and Health Risks, M. Weng and X. Jen (2015) *Journal of the Air and Waste Management Association* (2015) **65**, 59-63. [Taylor & Francis Online](#)
74. Decontamination Efficiency of a DBD Lamp Containing an UV-C Emitting Phosphor, Bruno Caillier, José Maurício Almeida Caiut, Cristina Muja, Julien Demoucron, Robert Mauricot, Jeanette Dexpert-Ghys and Philippe Guillot, *Photochemistry and Photobiology* (2015) **91**, 526-532. [Photochem Photobiol](#)

75. Identification of Oxidized Phospholipids in Bronchoalveolar Lavage Exposed to Low Ozone Levels Using Multivariate Analysis, Ann-Charlotte Almstrand, Dennis Voelker and Robert C. Murphy, *Analytical Biochemistry* (2015) **474**, 50-58. [ScienceDirect](#)
76. Measurements of Turbulent Flow and Ozone at Rooftop and Sidewalk Sites in a High-Rise Building Area, Seung-Bu Park, Kyung-Hwan Kwak, Beom-Soon Han, Gantuya Ganbat, Hyunho Lee, Jaemyeong Mango Seo, Sang-Hyun Lee and Jong-Jin Baik, *Meteorological Society of Japan* (2015) **11**, 1-4. [SOLA](#)
77. Measurement of Ozone Concentration on the Elevation Gradient of a Low Hill by a Semiconductor-Based Portable Monitor, I. Kanda, *Atmosphere* (2015) **6** (7), 928-941, doi:10.3390/atmos6070928. [MDPI Open Access](#)
78. Secondary Pollutant Formation in the Lake Tahoe Basin, B. Zielinska, A. Bytnerowicz, A. Gertler, W. Goliff, S. Theiss, J. Burley, M. McDaniel and D. Campbell, Final Report on Project P075 for the U.S. Department of Agriculture Forest Service (2015), Tahoe Science Program, Southern Nevada Public Lands Management Act, 68 pp. [Forest Service link](#)
79. Difference in Photosynthetic Responses to Free Air Ozone Fumigation Between Upper and Lower Canopy Leaves of Japanese Oak (*Quercus mongolica* var. *crispula*) Saplings, M. Watanabe, Y. Hoshika, N. Inada and T. Koike, *Journal of Agricultural Meteorology* (2015) **71** (3), 227-231, doi:10.2480/agrmet.D-14-00012. [i-stage link](#)
80. Ozone-Assisted Combustion: Experimental Assessment of the Influence of Ozone in a Single-Cylinder Diesel Engine, M. Mangus, C. Depcik, C. Ragone and E. Peltier, SAE Technical Paper 2015-01-0787 (2015), doi:10.4271/2015-01-0787. [SAE Link](#)
81. Optical Path Length and Absorption Cross Section Optimization for High Sensitivity Ozone Concentration Measurement, T.C.E. Marcus, M.H. Ibrahim, N.H. Ngajikin and A.I. Azmi, *Sensors and Actuators B: Chemical* (2015) **221**, 570-575. [ScienceDirect](#)
82. Quantitative Proteomics Analysis Reveals that S-Nitrosoglutathione Reductase (GSNOR) and Nitric Oxide Signaling Enhance Poplar Defense Against Chilling Stress, T. Cheng, J. Chen, Abd-Allah EF, P. Wang, G. Wang, X. Hu and J. Shi, *Planta* (2015) **242** (6), 1361-1390. [SpringerLink](#)
83. Effects of Ozone and Water Deficit on Stomatal Kinetics, Diel Trends in Stomatal Conductance, Growth and Allometry in Crops and Weeds, R. Paudel, Master's Thesis, Fresno State University (2015), 111 pp. [FSU link](#)
84. Ozone Concentration in Two Experimental Sites in the Metropolitan Region of Manaus: Conventional Measurements and Remote Estimates, P.S. Costa, Ph.D. Thesis (2015), Climate and Environment (CLIAMB), National Research Institute of the Amazon (INPA), 105 pp. [INPA link](#)
85. Characterizing the Impacts of Vertical Transport and Photochemical Ozone Production on an Exceedance Area, Emma L. Yates, Laura T. Iraci, David Austerberry, R. Bradley Pierce, Matthew C. Roby, Jovan M. Tadić, Max Loewenstein and Warren Gore, *Atmospheric Environment* (2015) **109**, 342-350. [Science Direct](#)
86. Meteorology, Air Quality, and Health in London: The ClearLo Project, S.I. Bohnenstengel, S.E. Belcher, A. Aiken, J.D. Allan, G. Allen, A. Bacak, T.J. Bannan, J.F. Barlow, D.C.S. Beddows, W.J. Bloss, A.M. Booth, C. Chemel, O. Coceal, C.F. Di Marco, M.K. Dubey, KH Faloon, ZL Fleming, M Furger, JK Gietl, RR Graves, DC Green, CSB Grimmond, CH Halios, JF Hamilton, RM Harrison, M.R. Heal, D.E. Heard, C. Helfter, S.C. Herndon, R.E. Holmes, J.R. Hopkins, A.M. Jones, F.J. Kelly, S. Kotthaus, B. Langford, J.D. Lee, R.J. Leigh, A.C. Lewis, R.T. Lidster, F.D. Lopez-Hilfiker, J.B. McQuaid, C. Mohr, P.S. Monks, E. Nemitz, N.L. Ng, C.J. Percival, A.S.H. Prévôt, H.M.A. Ricketts, R. Sokhi, D. Stone, J.A. Thornton, A.H. Tremper, A.C. Valach, S. Visser, L.K. Whalley, L.R. Williams, L. Xu, D.E. Young, P. Zotter, *Bulletin of the American Meteorological Society* (2015) **96**, 779-804, <http://dx.doi.org/10.1175/BAMS-D-12-00245.1>. [BAMS](#)
87. Comparative Proteomic Analysis Reveals the Role of Hydrogen Sulfide in the Adaptation of the Alpine Plant *Lamiophlomis rotata* to Altitude Gradient in the Northern Tibetan Plateau, Lan Ma, Liming Yang, Jingjie Zhao, Jingjing Wei, Xiangxiang Kong, Chuntao Wang, Xiaoming Zhang, Yongping Yang and Xiangyang Hu, *Planta* (2015) **241** (4), 887-906. [Springer Link](#) [PDF at Research Gate](#)
88. Potential of Ozone Technology for German Cockroach (*Blattella germanica* (L.)) Management, Y. Tian, Master's Thesis, Purdue University (2015), 50 pp. [Purdue Link](#)
89. The Impact of Meteorology on Ozone Levels in the Lake Tahoe Basin, S. Theiss, Ph.D. Thesis, University of Nevada, Reno, (2015), 242 pp. [ProQuest](#)
90. Chamber Investigations of Atmospheric Mercury Oxidation Chemistry, S.B. Darby, Ph.D. Thesis, University College Cork (2015), 185 pp. [CORA link](#)
91. Studies of Arctic Halogen Chemistry from the Snowpack to the Gas Phase, K.D. Custard, Ph.D. Thesis, Purdue University (2015), 250 pp. [Purdue link](#)

92. Investigation of Secondary Organic Aerosol Formation from Different Sources and Ambient Environments, A.M. Ortega, Ph.D. Thesis, University of Colorado (2015), 149 pp. [ProQuest](#)
93. Elucidation of Mechanisms and Impacts of Oxidation on Organic Particulate Matter, K.R. Kolesar, Ph.D. Thesis, University of California, Davis (2015), 218 pp. [ProQuest](#)
94. Removal of Hydrogen Sulfide from an Air Stream Using UV Light, L. Gilardi, Master's Thesis, KTH Royal Institute of Technology (2015), 78 pp. [DiVA-Portal](#)
95. First Look at the NOAA Aircraft-Based Tropospheric Ozone Climatology, M. Leonard, I.V. Petropavlovskikh, A. McClure-Begley, M. Lin, D. Tarasick, B.J. Johnson and S.J. Oltmans, American Geophysical Union, Fall Meeting 2015, abstract id. A43E-00331. [Abstract link](#)
96. Decomposition of High-Level Ozone Under High Humidity Over Mn-Fe Catalyst: The Influence of Iron Precursors, Z. Lian, J. Ma and H. He, *Catalysis Communications* (2015) **59**, 156-160. [ScienceDirect](#)
97. Inversion Structure and Winter Ozone Distribution in the Uintah Basin, Utah, U.S.A., S. Lyman and T. Tran, *Atmospheric Environment* (2015) **123**, 156-165. [Science Direct](#)
98. Study of Outdoor Ozone Penetration into Buildings Through Ventilation and Infiltration, D. Lai, P. Karava and Q. Chen, *Building and Environment* (2015) **93** (2), 112-118. [ScienceDirect](#)
99. Enhanced Degradation of Gaseous Benzene under Vacuum Ultraviolet (VUV) Irradiation over TiO<sub>2</sub> Modified by Transition Metals, Ha. Huang, Hu. Huang, L. Zhang, P. Hu, X. Ye and D.Y.C. Leung, *Chemical Engineering Journal* (2015) **259**, 534-541. [ScienceDirect](#)
100. Catalytic Oxidation of Gaseous Benzene with Ozone over Zeolite-Supported Metal Oxide Nanoparticles at Room Temperature, Ha. Huang, W. Huang, Y. Xu, X. Ye, M. Wu, Q. Shao, G. Ou, Z. Peng, J. Shi, J. Chen, Q. Feng, Y. Zan, Hu. Huang and P. Hu, *Catalysis Today* (2015) **258** (2), 627-633. [ScienceDirect](#)
101. Nanoscale Interfacial Gradients Formed by the Reactive Uptake of OH Radicals onto Viscous Aerosol Surfaces, J.F. Davies and K.R. Wilson, *Chemical Science* (2015) **6**, 7020-7027. [RSC Link](#)
102. Ozone-Catalytic Oxidation of Gaseous Benzene over MnO<sub>2</sub>/ZSM-5 at Ambient Temperature: Catalytic Deactivation and Its Suppression, Ha. Huang, X. Ye, W. Huang, J. Chen, Y. Xu, M. Wu, Q. Shao, Z. Peng, G. Ou, J. Shi, X. Feng, Q. Feng, Hu. Huang, P. Hu and D.Y.C. Leung, *Chemical Engineering Journal* (2015) **264**, 24-31. [ScienceDirect](#)
103. Airborne Pollutants and Lung Surfactant: Biophysical Impacts of Surface Oxidation Reactions, S.L. Selladurai, Masters Thesis, Concordia University (2015), 70 pp. [Concordia Link](#)
104. Greenhouse Gas Emissions from Urban Area of Naples (IT), D. Piscitelli, D. Famulari, A. Esposito, P. Di Tommasi, G. Agrillo, A. Manco, M. Tosca, B. Gioli, V. Magliulo A. Mazzarella, R. Viola, N. Scafetta, A. Riccio, A. Zaldei and P. Toscano, Conference poster (2015), GHG Flux Workshop, October 2015, Potsdam. [ResearchGate Link](#)
105. Ratiometric Method for Ozone Absorption Cross Section Measurement, T.C. En Marcus, Ph.D. Thesis, Universiti Teknologi Malaysia (2015), 48 pp. [UTM Link](#)
106. Sampling Frequency Effect on the Absorption Cross Section of Ozone in the Visible Spectrum, M. David, M.H. Ibrahim and S.M. Idrus, *Journal of Optoelectronics and Advanced Materials* (2015) **17** (3-4), 403-408. [PDF at 2B Tech Archive](#)
107. Development and Validation of Inexpensive, Automated, Dynamic Flux Chambers, B.B. Almand-Hunter, J.T. Walker, N.P. Masson, L. Hafford and M.P. Hannigan, *Atmospheric Measurement Techniques* (2015) **8**, 267-280. [AMT Link](#)
108. Cumberland Piedmont Network Ozone and Foliar Injury Report – Kings Mountain NMP, Mammoth Cave NP and Ninety Six NHS, Annual Report 2013, J. Jernigan, B.C. Carson and T. Leibfreid, Natural Resource Report NPS/CUPN/NRR-2015/1044 (2015), National Park Service, Fort Collins, Colorado, 30 pp. [Semantic Scholar](#)
109. Interference-Free Measurements of Dissolved Ozone in Dirty Water Using a New MicroSparge™ Technology, J. Birks, B. Xiong, C. Ford, C.J. Williford and P.C. Andersen, *Ozone News* (2015) **43**, 6, 22-28. [SemanticScholar](#)
110. Heating-Induced Evaporation of Nine Different Secondary Organic Aerosol Types, Supplementary Information, K. Kolesar, Z. Li, K.R. Wilson and C.D. Cappa, *Environmental Science & Technology* (2015) **49**, 20, 12242-12252. [ACS Link](#)

111. Ozone Dial Scanner, C. Craft, *Honors Capstone Projects and Theses* (2015), University of Alabama in Huntsville, LOUIS, 269, 27 pp. [UAH Link](#)

## 2014

1. Secondary Organic Aerosol Formation Initiated from Reactions Between Ozone and Surface-Sorbed Squalene, C. Wang and M. S. Waring, *Atmospheric Environment* (2014) **84**, 222-229. [Science Direct](#)
2. Ozone in Remote Areas of the Southern Rocky Mountains, Robert C. Musselman and John L. Korfmacher, *Atmospheric Environment* (2014) **82**, 383-390. [ScienceDirect](#)
3. Perchlorate Content of Plant Foliage Reflects a Wide Range of Species-Dependent Accumulation but not Ozone-Induced Biosynthesis, D. A. Grantz, K. O. Burkey, W. A. Jackson, H. -B. Vu, M.T. McGrath and G. Harvey, *Environmental Pollution* (2014) **184**, 690-696. [ScienceDirect](#)
4. Canopy Carbon Budget of Siebold's Beech (*Fagus crenata*) Sapling under Free Air Ozone Exposure, Makoto Watanabe, Yasutomo Hoshika, Naoki Inada and Takayoshi Koike, *Environmental Pollution* (2014) **184**, 682-689. [ScienceDirect](#)
5. Seasonal Ozone Uptake by a Warm-Temperate Mixed Deciduous and Evergreen Broadleaf Forest in Western Japan Estimated by the Penman-Monteith Approach Combined with a Photosynthesisdependent Stomatal Model, Mitsutoshi Kitao, Masabumi Komatsu, Yasutomo Hoshika, Kenichi Yazaki, Kenichi Yoshimura, Saori Fujii, Takafumi Miyama and Yuji Kominami, *Environmental Pollution* (2014) **184**, 457-463. [PDF at Science Direct](#)
6. SOA Formation Potential of Emissions from Soil and Leaf Litter, Celia L. Faiola, Graham S. VanderSchelden, Miao Wen, Farah C. Elloy, Douglas R. Cobos, Richard J. Watts, B. Thomas Jobson and Timothy M. VanReken, *Environmental Science and Technology* (2014) **48**, 938-946. [ES&T](#)
7. Analysis, Design, and Implementation of Multiple Parallel Ozone Chambers for High Flow Rate, Muhammad Amjad and Zainal Salam, *IEEE Transactions on Industrial Electronics* (2014) **61**, 753-765. [IEEE Xplore](#)
8. Multi-Pollutant Mobile Platform Measurements of Air Pollutants Adjacent to a Major Roadway, Erin A. Riley, Lyndsey Banks, Jonathan Fintzi, Timothy R. Gould, Kris Hartin, LaNae Schaal, Mark Davey, Lianne Sheppard, Timothy Larson, Michael G Yost and Christopher D. Simpson, *Atmospheric Environment* (2014) **98**, 492-499. [ScienceDirect](#)
9. Diel Trend in Plant Sensitivity to Ozone: Implications for Exposure- and Flux-Based Ozone Metrics, David A. Grantz, *Atmospheric Environment* (2014) **98**, 571-580. [Atmospheric Environment](#)
10. Atmospheric Composition and Thermodynamic Retrievals from the ARIES Airborne TIR-FTS System—Part 2: Validation and Results from Aircraft Campaigns, G. Allen, S. M. Illingworth, S. J. O'Shea, S. Newman, A. Vance, S. J.-B. Bauguitte, F. Marengo, J. Kent, K. Bower, M. W. Gallagher, J. Muller, C. J. Percival, C. Harlow, J. Lee and J. P. Taylor, *Atmospheric Measurement Techniques* (2014) **7**, 4401-4416. [Atmospheric Measurement Techniques](#)
11. Respiratory and Inflammatory Responses to Short-Term Exposure to Traffic-Related Air Pollution with and without Moderate Physical Activity, Nadine Janet Kubesch, Audrey de Nazelle, Dane Westerdahl, David Martinez, Gloria Carrasco-Turigas, Laura Bouso, Stefano Guerra and Mark J. Nieuwenhuijsen, *Occupational and Environmental Medicine* (2014) oemed-2014-102106. [Occupational and Environmental Medicine](#)
12. Impact of Emissions from Natural Gas Production Facilities on Ambient Air Quality in the Barnett Shale Area: A Pilot Study, Barbara Zielinska, Dave Campbell and Vera Samburova, *Journal of the Air & Waste Management Association* (2014) **64**, 1369-1383. [JAWMA](#)
13. New Atmospheric Composition Observations in the Karakorum Region: Influence of Local Emissions and Large-Scale Circulation during a Summer Field Campaign, D. Putero, P. Cristofanelli, P. Laj, A. Marinoni, P. Villani, A. Broquet, M. Alborghetti, U. Bonafè, F. Calzolari, R. Duchi, T.C. Landi, G.P. Verza, E. Vuillermoz and P. Bonasoni, *Atmospheric Environment* (2014) **97**, 75-82. [Atmospheric Environment](#)
14. Methane Emissions from Alaska in 2012 from CARVE Airborne Observations, Rachel Y-W. Chang, Charles E. Miller, Steven J. Dinardo, Anna Karion, Colm Sweeney, Bruce C Daube, John M. Henderson, Marikate E. Mountain, Janusz Eluszkiewicz, John B. Miller, Lori M.P. Bruhwiler and Steven C. Wofsy, *Proceedings of the National Academy of Sciences* (2014) **111**, 16694-16699. [PNAS](#)
15. OH-Initiated Heterogeneous Oxidation of tris-2-Butoxyethyl Phosphate: Implications for Its Fate in the Atmosphere, Y. Liu, L. Huang, S.M. Li, T. Harner and J. Liggió, *Atmospheric Chemistry and Physics* (2014) **14**, 12195-12207. [PDF at Atmos Chem Phys](#)

16. Performance of the Proposed New Federal Reference Method for Measuring Ozone Concentrations in Ambient Air, Russell Long, Eric S. Hall, Melinda Beaver, Rachelle M. Duvall, Surender Kaushik, Keith Kronmiller, Michael Wheeler, Samuel Garvey, Zora Drake and Frank McElroy, *US EPA Technical Report* (2014) 19 pp. [Research Gate](#)
17. Experimental Study of NO<sub>2</sub> Reduction in N<sub>2</sub>/Ar and O<sub>2</sub>/Ar Mixtures by Pulsed Corona Discharge, Xinbo Zhu, Chenghang Zheng, Xiang Gao, Xu Shen, Zhihua Wang, Zhongyang Luo and Kefa Cen, *Journal of Environmental Sciences* (2014) **26**, 2249-2256. [ScienceDirect](#)
18. Decreasing Effect and Mechanism of FeSO<sub>4</sub> Seed Particles on Secondary Organic Aerosol in  $\alpha$ -Pinene Photooxidation, Biwu Chu, Yongchun Liu, Junhua Li, Hideto Takekawa, John Liggio, Shao-Meng Li, Jingkun Jiang, Jiming Hao and Hong He, *Environmental Pollution* (2014) **193**, 88-93. [ScienceDirect](#)
19. A Compact Mobile Ozone Lidar for Atmospheric Ozone and Aerosol Profiling, Russell De Young, William Carrion and Denis Pliutau, *SPIE Proceedings*, 9246, (2014). [SPIE Digital Library](#)
20. Arterial Blood Pressure Responses to Short-Term Exposure to Low and High Traffic-Related Air Pollution with and without Moderate Physical Activity, N. Kubesch, A. De Nazelle, S. Guerra, D. Westerdahl, D. Martinez, L. Bouso, G. Carrasco-Turigas, B. Hoffmann and M.J. Nieuwenhuijsen, *European Journal of Preventive Cardiology* (2014) 2047487314555602. [Sage Journals](#)
21. Fluorescence Spectra and Biological Activity of Aerosolized Bacillus Spores and MS2 Bacteriophage Exposed to Ozone at Different Relative Humidities in a Rotating Drum, Shanna Ratnesar-Shumate, Yong-Le Pan, Steven C. Hill, Sean Kinahan, Elizabeth Corson, Jonathan Eshbaugh and Joshua L Santarpia, *Journal of Quantitative Spectroscopy and Radiative Transfer* (2014) **153**, 13-28. [ScienceDirect](#)
22. Chemical Amplification-Cavity Attenuated Phase Shift Spectroscopy Measurements of Atmospheric Peroxy Radicals, Ezra C. Wood and John R. Charest, *Analytical Chemistry* (2014) **86**, 10266-10273. [Analytical Chemistry](#)
23. Ozone-Free Portable Microwave Atmospheric Air Plasma Jet, Im Hee Won, Sung Kil Kang, J-Y. Sim and Jae Koo Lee, *Plasma Science, IEEE Transactions* (2014) **42**, 2788-2789. [IEEE Xplore](#)
24. Ultrafine Particles Generated from Coloring with Scented Markers in the Presence of Ozone, C.-C.D. Fung, Shi Shu and Yifang Zhu, *Indoor Air* (2014) **24**, 503-510. [Wiley Online Library](#)
25. Technical Note: Application of Positive Matrix Factor Analysis in Heterogeneous Kinetics Studies Utilizing the Mixed-Phase Relative Rates Technique, Y. Liu, S.M. Li and J. Liggio, *Atmospheric Chemistry and Physics* (2014) **14**, 9201-9211. [PDF from atmos-chem-phys.net](#)
26. Higher Oxidation State Responsible for Ozone Decomposition at Room Temperature over Manganese and Cobalt Oxides: Effect of Calcination Temperature, Wen-Xiang Tang, Hai-Di Liu, Xiao-Feng Wu and Yun-Fa Chen, *Ozone: Science & Engineering* (2014) **36**, 502-512. [Taylor Francis Online](#)
27. Design and Implementation of a High-Frequency LC-Based Half-Bridge Resonant Converter for Dielectric Barrier Discharge Ozone Generator, Muhammad Amjad and Zainal Salam, *IET Power Electronics* (2014) **7**, 2403-2411. [IEEE Xplore](#)
28. Water Vapor Isotopic Composition of a Stratospheric Air Intrusion: Measurements from the Chajnantor Plateau, Chile, Joseph Galewsky and Kimberly Samuels-Crow, *Journal of Geophysical Research: Atmospheres* (2014) **119**, 9679-9691. [Wiley Online Library](#)
29. Design and Clinical Feasibility of Personal Wearable Monitor for Measurement of Activity and Environmental Exposure, Richard Ribon Fletcher, Nicolas M. Oreskovic and Alyssa I. Robinson, *Engineering in Medicine and Biology Society (EMBC), 36th Annual International Conference of the IEEE* (2014), 874-877. [IEEE Xplore](#)
30. Analysis and Simulation of a Cold-Air Pool and High Wintertime Ozone Episode in Utah's Uintah Basin, E.M. Neemann, M.S. Thesis, University of Utah (2014), 95 pp.. [PDF at University of Utah](#)
31. The St. Louis Ozone Gardens: Visualizing the Impact of a Changing Atmosphere, Jack Fishman, Kelley M Belina and Cindy H. Encarnación, *Bulletin of the American Meteorological Society* (2014) **95**, 1171-1176. [AMS Journals Online](#)
32. Indoor Particulate Reactive Oxygen Species Concentrations, Shahana S. Khurshid, Jeffrey A. Siegel and Kerry A. Kinney, *Environmental Research* (2014) **132**, 46-53. [ScienceDirect](#)
33. The Effect of Anthropogenic Volatile Organic Compound Sources on Ozone in Boise, Idaho, Victor Vargas, Marie-Cecile Chalbot, Robert O'Brien, George Nikolich, David W Dubois, Vic Etyemezian and Ilias G Kavouras, *Environmental Chemistry* (2014) **11**, 445-458. [Environmental Chemistry](#)

34. Laboratory comparison of relative performance of gas phase filtration media at high and low O<sub>3</sub>/NO<sub>2</sub> challenge concentrations (ASHRAE RP-1557), KwangHoon Han, Jensen S. Zhang, Bing Guo and Chuan He, *HVAC&R Research* (2014) **20**, 522-531. [HVAC&R Research](#) [PDF at ResearchGate.net](#)
35. Concentrations of Mobile Source Air Pollutants in Urban Microenvironments, Eric M. Fujita, David E. Campbell, W. Patrick Arnott, Ted Johnson and Will Ollison, *Journal of the Air & Waste Management Association* (2014) **64**, 743-758. [JAMA](#)
36. Transient Secondary Organic Aerosol Formation from Limonene Ozonolysis in Indoor Environments: Impacts of Air Exchange Rates and Initial Concentration Ratios, Somayeh Youssefi and Michael S. Waring, *Environmental Science and Technology* (2014) **48**, 7899-7908. [PDF from indoor-envi.com](#) [ES&T](#)
37. Impact of HVAC Filter on Indoor Air Quality in Terms of Ozone Removal and Carbonyls Generation, Chi-Chi Lin and Hsuan-Yu Chen, *Atmospheric Environment* (2014) **89**, 29-34. [ScienceDirect](#)
38. Quantitative Constraints on the 17O-excess ( $\Delta 17O$ ) Signature of Surface Ozone: Ambient Measurements from 50° N to 50° S Using the Nitrite-Coated Filter Technique, William C. Vicars and Joël Savarino, *Geochimica et Cosmochimica Acta* (2014) **135**, 270-287. [PDF at Research Gate](#) [ScienceDirect](#)
39. Influence of Molecular Structure and Chemical Functionality on the Heterogeneous OH-Initiated Oxidation of Unsaturated Organic Particles, Theodora Nah, Sean H. Kessler, Kelly E. Daumit, Jesse H. Kroll, Stephen R. Leone and Kevin R. Wilson, *The Journal of Physical Chemistry A* (2014) **118**, 4106-4119. [J. Phys. Chem.](#) [PDF at mit.edu](#)
40. Ozone Monitoring at Remote Sites Using Low-power Instrumentation, John L. Korfmacher and Robert C. Musselman, U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Research Note RMRS-RN-65 (2014). [PDF at fs.fed.us](#)
41. Temporal and Spatial Characteristics of Ozone Depletion Events from Measurements in the Arctic, J.W. Halfacre, T.N. Knepp, P.B. Shepson, C.R. Thompson, K.A. Pratt, B. Li, P.K. Peterson, S.J. Walsh, W.R. Simpson, P.A. Matrai, J.W. Bottenheim, S. Netcheva, D.K. Perovich and A. Richter, *Atmospheric Chemistry and Physics* (2014) **14**, 4875-4894. [Atmos Chem Phys](#)
42. Analyzer for Measurement of Nitrogen Oxide Concentration by Ozone Content Reduction in Gas Using Solid State Chemiluminescent Sensor, V.P. Chelibanov, G.G. Ishanin and L.N. Isaev, *Proceeding of SPIE, Optical Sensing and Detection III*, **9141**, 91411Z-1 to 91411Z-15. [SPIE Digital Library](#)
43. The First One Year Measurements at the Monte Portella (Italy) Climate High Altitude Station, Eleonora Aruffo, Piero Di Carlo, Alfonso D'Altorio, Marcella Busilacchio, Fabio Biancofiore, Franco Giammaria, Francesco Del Grande, Paolo Bonasoni, Paolo Cristofanelli and Elisa Vuillemoz, *EGU General Assembly Conference Abstracts* (2014) **16**, 5658. [SAO/NASA/ADS Physics Abstract Service](#) [PDF](#)
44. Development of Analytical Methods to Characterize Organic Aerosol and Black Carbon, Yiyi Wei, Ph.D. Thesis, Texas Tech University (2014). [PDF at Texas Tech](#)
45. The Role of Precursor Gases and Meteorology on Temporal Evolution of O<sub>3</sub> at a Tropical Location in Northeast India, Pradip Kumar Bhuyan, Chandrakala Bharali, Binita Pathak and Gayatry Kalita, *Environmental Science and Pollution Research* (2014) **21**, 6696-6713. [Springer Link](#) [PDF at Environ Sci Pollut Res](#)
46. Dielectric Barrier Discharge Ozonizer Using the Transformerless Single Switch Resonant Converter, Zainal Salam, Mochammad Facta and Muhammad Amjad, *IEEE Transactions on Industry Applications* (2014) **50**, 2197-2206. [IEEE/Xplore](#) [PDF at ResearchGate](#)
47. The DOE ARM Aerial Facility, Beat Schmid, Jason M. Tomlinson, John M. Hubbe, Jennifer M. Comstock, Fan Mei, Duli Chand, Mikhail S. Pekour, Celine D. Kluzek, Elisabeth Andrews, S.C. Biraud and G.M. McFarquhar, *Bulletin of the American Meteorological Society* (2014) **95**, 723-742. [BAMS](#)
48. Surface Ozone in Joshua Tree National Park, Joel D. Burley, Andrzej Bytnerowicz, John D. Ray, Susan Schilling and Edith B. Allen, *Atmospheric Environment* (2014) **87**, 95-107. [Atmos Environ](#)
49. Ozone Sensing Based on Palladium Decorated Carbon Nanotubes, Selene Capula Colindres, Khalifa Aguir, Felipe Cervantes Sodi, Luis Villa Vargas, José A. Moncayo Salazar and Vicente Garibay Febles, *Sensors* (2014) **14**, 6806-6818. [Sensors](#)
50. Impact of Physical Properties on Ozone Removal by Several Porous Materials, Elliott T. Gall, Richard L. Corsi and Jeffrey A Siegel, *Environmental Science and Technology* (2014) **48**, 3682-3690. [ES&T](#)
51. Analysis of Mobile Source Air Toxics (MSATs)—Near-Road VOC and Carbonyl Concentrations, Sue Kimbrough, Ted Palma and Richard W. Baldauf, *Journal of the Air & Waste Management Association* (2014) **64**, 349-359. [JAWMA](#)

52. Measurement of Microenvironmental Ozone Concentrations in Durham, North Carolina, Using a 2B Technologies 205 Federal Equivalent Method Monitor and an Interference-Free 2B Technologies 211 monitor, Ted Johnson, Jim Capel and Will Ollison, *Journal of the Air & Waste Management Association* (2014) **64**, 360-371. [JAWMA](#)
53. Technical Note: Application of Positive Matrix Factor Analysis in Heterogeneous Kinetics Studies Utilizing the Mixed-Phase Relative Rates Technique, Y. Liu, S.M. Li and J Liggio, *Atmospheric Chemistry & Physics* (2014) **14**, 9201-9211. [ACP Link](#)
54. Photosynthetic Responses of Monarch Birch Seedlings to Differing Timings of Free Air Ozone Fumigation, Makoto Watanabe, Yasutomu Hoshika and Takayoshi Koike, *Journal of Plant Research* (2014) **127**, 339-345. [Springer Link](#)
55. Diurnal Variation of Ozone Flux over Corn Field in Northwestern Shandong Plain of China, ZhiLin Zhu, XiaoMin Sun, YunShe Dong, FengHua Zhao, Franz X. Meixner, *Science China Earth Sciences* (2014) **57**, 503-511. [Springer Link](#)
56. Enhanced Production of Oxidised Mercury over the Tropical Pacific Ocean: A Key Missing Oxidation Pathway, F. Wang, A. Saiz-Lopez, A.S. Mahajan, J.C. Gómez Martín, D. Armstrong, M. Lemes, T. Hay and C. Prados-Roman, *Atmospheric Chemistry and Physics* (2014) **14**, 1323-1335. [Atmo Chem Phys](#)
57. Heterogeneous OH Initiated Oxidation: A Possible Explanation for the Persistence of Organophosphate Flame Retardants in Air, Yongchun Liu, John Liggio, Tom Harner, Liisa Jantunen, Mahiba Shoeib and Shao-Meng Li, *Environmental Science and Technology* (2014) **48**, 1041-1048. [ES&T](#)
58. Contribution of Sources and Sinks to the Photochemistry of the Present and Past Atmosphere of West Antarctica Based on Air, Snow and Ice-Core Records, Sylvain Masclin, Ph.D. Thesis, University of California, Merced (2014). [PDF on eScholarship](#)
59. Assessing and Controlling Concentrations of Volatile Organic Compounds in the Retail Environment, Éléna Laure Nirlo, Ph.D. Thesis, University of Texas, Austin (2014). [University of Texas](#)
60. High Ozone Increases Soil Perchlorate but Does Not Affect Foliar Perchlorate Content, D.A. Grantz, A. Jackson, H.B. Vu, K.O. Burkey, M.T. McGrath and G. Harvey, *Journal of Environmental Quality* (2014) **43**, 1460-1466. [Access DL](#)
61. Ozone-Assisted Combustion: I. Literature Review and Kinetic Study Using Detailed n-heptane Kinetic Mechanism, Christopher Depcik, Michael Mangus and Colter Ragone, *Journal of Engineering for Gas Turbines and Power* (2014), **136** (9), 091507, 11 pages. [ASME](#)
62. Indoor Corrosion of Pb: Effect of Formaldehyde Concentration and Relative Humidity Investigated by Raman Microscopy, Thiago S. Puglieri, Dalva L.A. de Faria and Andrea Cavicchioli, *Vibrational Spectroscopy* (2014) **71**, 24-29. [ScienceDirect](#)
63. Removal of Phorbol Ester from Jatropha Seedcake Using Ozonation and Solar Irradiation, Susan Masten, Brent Simpson, Susan Hengemuehle, Paramjeet Pati, Alla Alpatova, Boubacar Dembele and Mel Yokoyama, *Ozone Science and Engineering* (2014) **37**, 29-35. [Taylor and Francis Online](#)
64. Mycobacteria Inactivation Using Engineered Water Nanostructures (EWNS), Georgios Pyrgiotakis, James McDevitt, Ya Gao, Alan Branco, Mary Eleftheriadou, Bernardo Lemos, Edward Nardell and Philip Demokritou, *Nanomedicine, Nanotechnology, Biology and Medicine* (2014) **10**, 1175-1183. [ScienceDirect](#)
65. Recent Results of Ambient Ozone Monitoring in Southern Sierra Nevada and White Mountains, California, J.D. Burley, A. Bytnerowicz, R. Cisneros and D. Schweizer (2014) American Geophysical Union, Fall Meeting 2014, abstract #A53M-3407. [Harvard.edu](#)
66. A Potential Source of Ozone with Concomitant Health Effects in the Hospital Environment, Kevin A. Vrablik, Philip G. Lewis and Judith Green-Mckenzie (2014, April 27-30) Poster presented at : the American Occupational Health Conference, San Antonio, TX. [Lehigh Valley Health Network Scholarly Works](#)
67. Surface Ozone Concentrations and the Meteorological Conditions at an Urban Tropical Site in the Southern Hemisphere, Abel Antônio Silva, *Revista Brasileira de Geofísica* (2014) **32**, 383-39. [Revista Brasileira de Geofísica](#)
68. Tempo-Spatially Resolved Ozone Characteristics During Single-Electrode Dielectric Barrier Discharge (SE-DBD) Operation against Metal and Porcine Skin Surfaces, Andreas Helmke, Michael Franck, Dirk Wandke and Wolfgang Vieoel, *Plasma Medicine* (2104) **4**, 67-77. [Begell House Digital Library](#)
69. Bleed Water Treatment Using Non-Thermal Plasma Methods, Anto Tri Sugiarto, Rini Permanawati and Tirto Prakoso, International Seminar Chemical Engineering in Minerals and Materials Processing (2014) Bandung, Indonesia. [PDF](#)

70. Field Performance Test of an Air-Cleaner with Photocatalysis-Plasma Synergistic Reactors for Practical and Long-Term Use, Tsuyoshi Ochiai, Erina Ichihashi, Naoki Nishida, Tadashi Machida, Yoshitsugu Uchida, Yuji Hayashi, Yuko Morito and Akira Fujishima, *Molecules* (2014) **11**, 17424-17434. [MDPI](#)
71. Relate Air Quality and Other Factors to Comfort and Health Symptoms Reported by Passengers and Crew on Commercial Transport Aircraft (Part I) (ASHRAE Project 1262-TRP), Chester W. Spicer, Michael J. Murphy, Michael W. Holdren, Jeffrey D. Myers, Ian C. MacGregor, Chris Holloman, Ryan R. James, Karen Tucker and Raymond Zaborski, Report for American Society for Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, GA, July (2014). [PD at Research Gate](#)
72. Assessment of a New Screening Model for Use in Siting Near-Road NO<sub>2</sub> Monitors, Timothy Larson, Hui Cheng and Mengyu Cai, Final Project Report for Pacific Northwest Transportation Consortium (PacTrns), USDOT University Transportation Center for Federal Region 10, University of Washington, Seattle WA (2014). [PDF at washington.edu](#)
73. Evaluation of Prescribed Burning Emissions and Impacts on Air Quality in the Lake Tahoe Basin, Final Report to the USDA Forest Service Pacific Southwest Research Station, L. -W. Antony Chen, Tom Malamakal, Xiaoliang Wang, Mark C. Green, Judith C. Chow and John G. Watson (2014) [PDF at Research Gate](#)
74. Artificial Chemical Ageing of Atmospheric Aerosol, Suad Said Al Kindi, Ph.D. Thesis University of Birmingham (2014) [eTheses Repository PDF](#)
75. Molecular Characterization of Atmospheric Organic Matter in Biogenic Secondary Organic Aerosol, Ambient Aerosol and Clouds, Yunzhu Zhao, Ph.D. Thesis, Michigan Technological University (2014). [Michigan Tech](#)
76. Chemical Kinetics and Mechanisms of Unsaturated Organic Aerosol Oxidation, Theodora Nah, Ph.D. Thesis, University of California, Berkeley (2014). [eScholarship](#)
77. Photooxidation of Gaseous Benzene by 185nm VUV Irradiation, Haibao Huang, Hailing Huang, Lu Zhang, Peng Hu, Ying Xu, Xinguo Ye, Xiaoshan Liang, Jiandong Chen and Muyang Ji, *Environmental Engineering Science* (2014) **31**, doi:10.1089/ees.2014.0100. [Env Eng Sci](#)
78. Atmospheric-Pressure Plasma Jet Induces DNA Double-Strand Breaks that Require a Rad51-Mediated Homologous Recombination for Repair in *Saccharomyces cerevisiae*, Yoonna Lee, Kangil Kim, Kyu-Tae Kang, Jong-Soo Lee, Sang Sik Yang and Woo-Hyun Chung, *Archives of Biochemistry and Biophysics* (2014) **560**, 1-9. [Elsivier](#)
79. Differences in Responses of Two Mustard Cultivars to Ethylenediurea (EDU) at High Ambient Ozone Concentrations in India, Ashutosh K. Pandey, Baisakhi Majumder, Sarita Keski-Saari, Sari Kontunen-Soppela, Vivek Pandey and Elina Oksanen, *Agriculture, Ecosystems and Environment* (2014) **196**, 158-166. [ScienceDirect](#)
80. Secondary Organic Aerosol Formation from Acyclic, Monocyclic, and Polycyclic Alkanes, James F. Hunter, Anthony J. Carrasquillo, Kelly E. Daumit and Jesse H. Kroll, *Environmental Science and Technology* (2014) **48**, 10227-10234. [ES&T](#)
81. Laboratory Studies of the Aqueous-Phase Oxidation of Polyols: Submicron Particles vs. Bulk Aqueous Solution, K. E. Daumit, A. J. Carrasquillo, J. F. Hunter and J. H. Kroll, *Atmospheric Chemistry and Physics* (2014) **14**, 10773-10784. [Atmos Chem Phys](#)
82. Integrated Technology Air Cleaners (ITAC): Design and Evaluation, William J. Fisk, Sebastian Cohn, Hugo Destailats, Victor Henzel, Meera Sidheswaran, Douglas P. Sullivan, Lawrence Berkeley National Laboratory Report (2014) LBNL-6680E. [eScholarship](#)
83. Airborne Flux Measurements of Biogenic Isoprene over California, P. K. Misztal, T. Karl, R. Weber, H. H. Jonsson, A. B. Guenther and A. H. Goldstein, *Atmospheric Chemistry and Physics* (2014) **14**, 10631-10647. [Atmos Chem Phys](#)
84. Effect of Continuous Ozone Injection on Performance and Biomass Accumulation of Biofilters Treating Gaseous Toluene, Jinying Xi, Prakrit Saingam, Feng Gu, Hong-Ying Hu and Xuefei Zhao, *Applied Microbiology and Biotechnology* (2014) **98**, 9437-9446. [SpringerLink](#)
85. Impact of Traffic Volume and Composition on the Air Quality and Pedestrian Exposure in Urban Street Canyon, Agata Rakowska, Ka Chun Wong, Thomas Townsend, Ka Lok Chan, Dane Westerdahl, Simon Ng, Griša Močnik, Luka Drinovec and Zhi Ning, *Atmospheric Environment* (2014) **98**, 260-270. [ScienceDirect](#)
86. Chemical Characterization of Biogenic Secondary Organic Aerosol Generated from the Oxidation of Plant and Leaf Litter Emissions, C.L. Faiola, Ph.D. Thesis (2014), Washington State University, 260 pp. [WSU link](#)
87. The DOE ARM Aerial Facility, B. Schmid, J. M. Tomlinson, J. M. Hubbe, J. M. Comstock, F. Mei, D. Chand, M. S. Pekour, C. D. Kluzek, E. Andrews, S. C. Biraud and G. M. McFarquhar, *Bulletin of the American Meteorological Society* (2014) **95**, 723-742, doi:10.1175/BAMS-D-13-00040.1. [BAMS PDF at BAMS](#)

88. Dielectric Barrier Discharge Ozonizer Using the Transformerless Single Switch Resonant Converter for Portable Applications, Zainal Salam, Moch Facta and Muahmmad Amjad, *IEEE Transactions on Industry Applications* (2014) **50** (3), 2197-2206. [IEEE Xplore](#)
89. Ozone in Rural Nevada: Investigating Spatio-Temporal Patterns and Source Regions Contributing to Elevated Concentrations, R. Fine, Ph.D. Thesis, University of Nevada, Reno (2014), 266 pp. [ProQuest](#)
90. Filtration of Ultrafine Particles from Tobacco Smoke Using an Ionizer in Combination with an Electrostatic Fibrous Filter, A. Afshari, N.C. Bergsoe and S.R. Ardkapan, 13<sup>th</sup> International Conference on Indoor Air Quality and Climate, Topic B5: Filtration and Air Cleaning, 7 July – 12 July (2014), Hong Kong, 553-557. [ISIAQlink](#)
91. Investigation of Isotope Effects of Ozone as a Function of Temperature, D.J. McMahon, Master's Thesis, Purdue University (2014), 102 pp. [PurdueLink](#)
92. Investigation of Horizontal Meteorological Structures in Comparison to Turbulent structures at a Forest Edge, J. Hübner, Ph.D. Thesis, University of Bayreuth (2014), 187 pp. [Link to pdf](#)
93. Investigations of Atmospheric and Plant Physiological Effects Along an Urban-to-Rural Gradient in the Houston Metropolitan Area Comparing 2011 to 2012, J.H. Gramann, Master's Thesis, Texas A&M University (2014) 67 pp. [TexasA&MLink](#)
94. Numerical Modeling of Volatile Organic Compound Emissions from Ozone Reactions with Human-Worn Clothing in an Aircraft Cabin, A.C. Rai, C.-H. Lin and Q. Chen, *HVAC&R Research* (2014) **20.8**, 922-931. [Taylor&Francis Link](#)
95. Missing Peroxy Radical Sources within a Summertime Ponderosa Pine Forest, G.M. Wolfe, C. Cantrell, S. Kim, R.L. Mauldin III, T. Karl, P. Harley, A. Turnipseed, W. Zheng, F. Flocke, E.C. Apel, R.S. Hornbrook, S.R. Hall, K. Ullmann, S.B. Henry, J.P. DiGangi, E.S. Boyle, L. Kaser, R. Schnitzhofer, A. Hansel, M. Graus, Y. Nakashima, Y. Kajii, A. Guenther and F.N. Keutsch, *Atmospheric Chemistry and Physics* (2014) **14**, 4715-4732, doi:10.5194/acp-14-4715-2014-supplement. [ACP link](#)
96. Comparing *i-Tree* Modeled Ozone Deposition with Field Measurements in a Periurban Mediterranean Forest, A. Morani, D. Nowak, S. Hirabayashi, G. Guidolotti, M. Medori, V. Muzzini, S. Fares, G. Scarascia Mugnozza and C. Calafapietra, *Environmental Pollution* (2014) **195**, 202-209. [Science Direct](#)
97. Plasma-Catalytic Removal of a Low Concentration of Acetone in Humid Conditions, X. Zhu, X. Gao, C. Zheng, Z. Wang, M. Ni and X. Tu, *Royal Society of Chemistry Advances* (2014) **4**, 37796-37805. [RSC link](#)
98. Total OH Reactivity Measurements in Ambient Air in a Southern Rocky Mountain Ponderosa Pine Forest during BEACHON-SRM08 Summer Campaign, Y. Nakashima, S. Kato, J. Greenberg, P. Harley, T. Karl, A. Turnipseed, E. Apel, A. Guenther, J. Smith and Y. Kajii, *Atmospheric Environment* (2014) **85**, 1-8. [ScienceDirect](#)
99. Up in the Air: Methane and Ozone over California, L.T. Iraci, Presentation for the Director's Colloquium, NASA Ames Research Center, 7 August 2014. [NASA Technical Reports Server link](#)
100. Ozone Reaction with Clothing and Its Initiated VOC Emissions in an Environmental Chamber, A.C. Rai, B. Guo, C.-H. Lin, J. Zhang, J. Pei and Q. Chen, *Indoor Air* (2014) **24**, 49-58. [Wiley Link](#)
101. Ozone-Initiated Chemistry in Indoor Environment, A.C. Rai, Ph.D. Thesis, Purdue University (2014), 145 pp. [ProQuest Link](#)
102. Transient Secondary Organic Aerosol Formation from d-Limonene and  $\alpha$ -Pinene Ozonolysis in Indoor Environments, S. Youssefi and M. Waring, (2014), *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*, 145-152. [Link](#)
103. Carbonyls and Btex Emissions from Selected Building Materials, C.-C. Lin and S.-C. Hsu, Proceedings, *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate* (2014), 7-12 July 2014, Hong Kong, 110-113. [Research Gate](#)
104. Use Ozonization in Tea Production, A.A. Aliev, A.A. Askerov, E.I. Isaev, A.T. Nizamov and T.I. Nizamov, *Herald of the Bauman Moscow State Technical University* (2014) **4** (55). [CyberLeninka Link](#)

## 2013

1. Airborne Observations and Modeling of Springtime Stratosphere-to-Troposphere Transport over California, E. L. Yates, L. T. Iraci, M. C. Roby, R. B. Pierce, M. S. Johnson, P. J. Reddy, J. M. Tadić, M. Loewenstein and W. Gore, *Atmospheric Chemistry and Physics* (2013) **13**, 12481-12494. [Atmos Chem Phys](#)
2. Spatiotemporal Variability of Ground-Level Ozone and Influence of Smoke in Treasure Valley, Idaho, I. G. Kavouras, D. W. DuBois, V. Etyemezian and G. Nikolich, *Atmospheric Environment* (2013) **124**, 44-52. [ScienceDirect](#)

3. Evaluation of Three Common Green Building Materials for Ozone Removal, and Primary and Secondary Emissions of Aldehydes, Elliott Gall, Erin Darling, Jeffrey A. Siegel, Glenn C. Morrison and Richard L. Corsi, *Atmospheric Environment* (2013) **77**, 910-918. [ScienceDirect](#)
4. Observations of Interference Between Portable Particle Counters and NO<sub>x</sub> Monitors, Sarah D. Bereznicki and Ali Kamal, *Atmospheric Environment* (2013) **75**, 303-307. [Science Direct](#)
5. Removal of Gas Phase Low-Concentration Toluene by Intermittent Use of Ad-sorption and Non-thermal Plasma Regeneration, W. Wang, T. Zhu and X. Fan, 21st International Symposium on Plasma Chemistry (ISPC 21), 4-9 August 2013, Queensland, Australia. [PDF at ispc-conference.org](#)
6. Conversion of Carbon Disulfide in Air by Non-Thermal Plasma, Xiao Yan, Yifei Sun, Tianle Zhu and Xing Fan, *Journal of Hazardous Materials* (2013) **261**, 669-674.
7. Cavity Ring-Down Spectroscopy Sensor Development for High-Time-Resolution Measurements of Gaseous Elemental Mercury in Ambient Air, A. Pierce, D. Obrist, H. Moosmüller, X. Faïn and C. Moore, *Atmospheric Measurement Techniques* (2013) **6**, 1477-1489. [Atmos Meas Tech](#) [PDF at Atmos Meas Tech](#)
8. Calibration of the Ogawa Passive Ozone Sampler for Aircraft Cabins, Seema Bhangar, Brett C. Singer and William W. Nazaroff, *Atmospheric Environment* (2013) **65**, 21-24. [ScienceDirect](#)
9. OH-Initiated Heterogeneous Oxidation of Cholestane: A Model System for Understanding the Photochemical Aging of Cyclic Alkane Aerosols, Haofei Zhang, Christopher R. Ruehl, Arthur W. H. Chan, Theodora Nah, David R. Worton, Gabriel Isaacman, Allen H. Goldstein and Kevin R. Wilson, *Journal of Physical Chemistry A* (2013) **117**, 12499-12458. [acs.org](#)
10. Response of *Cymbopogon martinii* to the Combined Effect of Auto Exhaust Pollution and Herbicide (2,4-D sodium salt): A Spectrophotometric Study, Annapurna Singh, Nandita Singh and M. Yunus, *Journal of Chemical and Pharmaceutical Research* (2013) **5**, 337-344. [PDF at jopcr.com](#)
11. Inactivation of Norovirus Surrogates after Exposure to Atmospheric Ozone, Jennifer L. Cannona, Grishma Kotwala and Qing Wanga, *Ozone Science and Engineering* (2013) **35**, 217-219. [Taylor and Francis Online](#)
12. Both Ozone Exposure and Soil Water Stress are Able to Induce Stomatal Sluggishness, Yasutomo Hoshika, Kenji Omasa and Elena Paoletti, *Environmental and Experimental Botany* (2013) **88**, 19-23. [ScienceDirect](#) [PDF at u-tokyo.ac.jp](#)
13. Surface Ozone Concentrations and Local Cloud Cover at an Urban, Tropical Site in the Southern Hemisphere, Abel Antônio Silva and Luciano Machado Tomaz, *Journal of Atmospheric and Solar-Terrestrial Physics* (2013) **105-106**, 54-60. [Science Direct](#)
14. Effects of a Three-Year Exposure to Ambient Ozone on Biomass Allocation in Poplar using Ethylenediurea, Yasutomo Hoshika, Francesco Pecori, Ilaria Conese, Tommaso Bardelli, Enrico Marchi, William J. Manning, Ovidiu Badea and Elena Paoletti, *Environmental Pollution* (2013) **180**, 299-303. [ScienceDirect](#)
15. Field Testing of New-Technology Ambient Air Ozone Monitors, Will M. Ollison, Walt Crow and Chester W. Spicer, *Journal of the Air and Waste Management Association* (2013) **7**, 855-863. [Taylor and Francis Online](#)
16. Model-Based Analysis of Avoidance of Ozone Stress by Stomatal Closure in Siebold's Beech (*Fagus crenata*), Yasutomo Hoshika, Makoto Watanabe, Naoki Inada and Takayoshi Koike, *Annals of Botany* (2013) **112**, 1149-1158. [Oxford Journals](#)
17. Evaluation of Air Cleaning Technologies Existing in the Danish Market: Experiments in a Duct and in a Test Room, Samak Rahimi Ardkapan, Alireza Afshari, Niels C. Bergsøe and Peter V. Nielsen, *Indoor and Built Environment* (2013) **23** (8), 1177-1186, doi:10.1177/1420326X13501097. [Sage Journals](#)
18. Photosynthetic Response of Early and Late Leaves of White Birch (*Betula platyphylla* var. *japonica*) Grown under Free-Air Ozone Exposure, Yasutomo Hoshika, Makoto Watanabe, Naoki Inada, Qiaozhi Mao, Takayoshi Koike, *Environmental Pollution* (2013) **182** 242-247. [ScienceDirect](#) [PDF at hokudai.ac.jp](#)
19. Diurnal Variation of Ozone Flux over Corn Field in Northwestern Shandong Plain of China, ZhiLin Zhu, XiaoMin Sun, YunShe Dong, FengHua Zhao and Franz X. Meixner, *Science China Earth Sciences* (2013) **57** (3), 503-511, doi:10.1007/s11430-013-4797-9. [SpringerLink](#)
20. Heterogeneous OH Initiated Oxidation: A Possible Explanation for the Persistence of Organophosphate Flame Retardants in Air, Yongchun Liu, John Liggio, Tom Harner, Liisa Jantunen, Mahiba Shoeib and Shao-Meng Li, *Environmental Science and Technology* (2013) **48** (2), 1041-1048, doi:10.1021/es404515k. [pubs.acs.org](#)

21. Photosynthetic Traits of Siebold's Beech and Oak Saplings Grown under Free Air Ozone Exposure in Northern Japan, Makoto Watanabe, Yasutomo Hoshika, Naoki Inada, Xiaona Wang, Qiaozhi Mao and Takayoshi Koike, *Environmental Pollution* (2013) **174**, 50-56. [ScienceDirect](#) [PDF at hokudai.ac.jp](#)
22. Photosynthetic Responses of Monarch Birch Seedlings to Differing Timings of Free Air Ozone Fumigation, Makoto Watanabe, Yasutomo Hoshika and Takayoshi Koike, *Journal of Plant Research* (2013) **127** (2), 339-345. [SpringerLink](#)
23. Ozone Impedes the Ability of a Herbivore to Find its Host, Jose D. Fuentes, T'ai H. Roulston and John Zenker, *Environmental Research Letters* (2013) **8** (1), 014048, 5 pp. [Environ Res Lett](#) [PDF at iop.org](#)
24. Characterizing Emissions from Prescribed Fires and Assessing Impacts to Air Quality in the Lake Tahoe Basin Using Dispersion Modeling, Tom M. Malamakal (2013) M.S. Thesis, University of Nevada, Reno. [PDF at 2B Tech Archive](#)
25. Surface Ozone at the Devils Postpile National Monument Receptor Site During Low and High Wildland Fire Years, Andrzej Bytnerowicz, Joel D. Burley, Ricardo Cisneros, Haiganoush K. Preisler, Susan Schilling, Donald Schweizer, John Ray, Deanna Dulen, Christopher Beck and Bianca Auble, *Atmospheric Environment* (2013) **65**, 129-141. [ScienceDirect](#)
26. Homogeneous and Heterogeneous Reactions of Anthracene with Selected Atmospheric Oxidants, Yang Zhang, Jinian Shu, Yuanxun Zhang, Bo Yang, *Journal of Environmental Sciences* (2013) **25**, 1817-1823. [PDF at ScienceDirect](#)
27. Impact of Cement Renders on Airborne Ozone and Carbon Dioxide Concentrations, Sarah C. Taylor-Lange, Maria C. G. Juenger and Jeffrey A. Siegel, *Atmospheric Environment* (2013) **70**, 263-266. [ScienceDirect](#)
28. Effects of Ozone on Crops in North-West Pakistan, Muhammad Nauman Ahmada, Patrick Bükler, Sofia Khalid, Leon Van Den Berg, Hamid Ullah Shah, Abdul Wahid, Lisa Emberson, Sally A. Power, Mike Ashmore, *Environmental Pollution* (2013) **174**, 244-249. [ScienceDirect](#)
29. Why Lichens are Bad Biomonitors of Ozone Pollution?, Stefano Bertuzzi, Linda Davies, Sally A. Power and Mauro Tretiach, *Ecological Indicators* (2013) **34**, 391-397. [ScienceDirect](#)
30. Long-Term Greenhouse Gas Measurements from Aircraft, A. Karion, C. Sweeney, S. Wolter, T. Newberger, H. Chen, A. Andrews, J. Kofler, D. Neff and P. Tans, *Atmospheric Measurement Techniques* (2013) **6**, 511-526. [Atmos Meas Tech](#) [atmos-meas-tech.net](#)
31. The Near-Road Exposures and Effects of Urban Air Pollutants Study (NEXUS): Study Design and Methods, Alan Vette, Janet Burke, Gary Norris, Matthew Landis, Stuart Batterman, Michael Breen, Vlad Isakov, Toby Lewis, M. Ian Gilmour, Ali Kamal, Davyda Hammond, Ram Vedantham, Sarah Bereznicki, Nancy Tian and Carry Croghan, *Science of the Total Environment* (2013) **448**, 38-47. [ScienceDirect](#)
32. Nanoparticles from Photocopiers Induce Oxidative Stress and Upper Respiratory Tract Inflammation in Healthy Volunteers, Madhu Khatri, Dhimiter Bello, Peter Gaines, John Martin, Anoop K. Pal, Rebecca Gore and Susan Woskie, *Nanotoxicology* (2013) **7**, 1014-1027. [Informa](#)
33. Comparative Proteome Analyses Reveal that Nitric Oxide Is an Important Signal Molecule in the Response of Rice to Aluminum Toxicity, Liming Yang, Dagang Tian, Christopher D. Todd, Yuming Luo and Xiangyang Hu, *Journal of Proteome Research* (2013) **12**, 1316-1330. [pubs.acs.org](#)
34. Impact of Human Presence on Secondary Organic Aerosols Derived from Ozone-Initiated Chemistry in a Simulated Office Environment, Moshood O. Fadeyi, Charles J. Weschler, Kwok W. Tham, Wei Y. Wu and Zuraimi M. Sultan, *Environmental Science and Technology* (2013) **47**, 3933-3941. [pubs.acs.org](#)
35. The Spatial Scale of Ozone Depletion Events Derived from an Autonomous Surface Ozone Network in Coastal Antarctica, A. E. Jones, E. W. Wolff, N. Brough, S. J.-B. Bauguitte, R. Weller, M. Yela, M. Navarro-Comas, H. A. Ochoa and N. Theys, *Atmospheric Chemistry and Physics* (2013) **13**, 1457-1467. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
36. Physicochemical and Morphological Characterisation of Nanoparticles from Photocopiers: Implications for Environmental Health, Dhimiter Bello, John Martin, Christopher Santeufemio, Qingwei Su2, Kristin Lee Bunker, Martin Shafer and Philip Demokritou, *Nanotoxicology* (2013) **7**, 989-1003. [Informa](#)
37. Indoor Secondary Organic Aerosol Formation Initiated from Reactions between Ozone and Surface-Sorbed D-Limonene, Michael S. Waring and Jeffrey A. Siegel, *Environmental Science and Technology* (2013) **47**, 6341-6348. [ES&T](#)
38. Prescribed Burn Smoke Impact in the Lake Tahoe Basin: Model Simulation and Field Verification, Tom Malamakal, L-W. Antony Chen, Xiaoliang Wang, Mark C. Green, Steven Gronstal, Judith C. Chow and John G. Watson, *International Journal of Environmental Pollution* (2013) **52**, 225-243. [metapress.com](#)

39. Different O<sub>3</sub> Response of Sensitive and Resistant Snap Bean Genotypes (*Phaseolus vulgaris* L.): The Key Role of Growth Stage, Stomatal Conductance, and PSI Activity, Elisabetta Salvatori, Lina Fusaro, Simone Mereu, Alessandra Bernardini, Gigliola Puppi and Fausto Manes, *Environmental and Experimental Biology* (2013) **87**, 79-91. [ScienceDirect](#)
40. Real Time in Situ Chemical Characterization of Submicrometer Organic Particles Using Direct Analysis in Real Time-Mass Spectrometry, Theodora Nah, ManNin Chan, Stephen R. Leone and Kevin R. Wilson, *Analytical Chemistry* (2013) **85**, 2087-2095. [pubs.acs.org](https://pubs.acs.org)
41. OH-Initiated Oxidation of Sub-Micron Unsaturated Fatty Acid Particles, Theodora Nah, Sean H. Kessler, Kelly E. Daumit, Jesse H. Kroll, Stephen R. Leone and Kevin R. Wilson, *Physical Chemistry Chemical Physics* (2013) **15**, 18649-18663. [Phys Chem Chem Phys](#)
42. Ozonometer Based on Metal-Oxide Sensors and Its Graduation, A. A. Aliev, T. I. Nizamov and E. I. Isaev, *КОНСТРУИРОВАНИЕ И ТЕХНОЛОГИЯ (Design and Technology), Приборостроение (Instrumentation)* (2013) **No. 4**, 37. [PDF at vestnikprib.bmstu.ru](#) [PDF at vestnikprib.bmstu.ru](#)
43. Design and Implementation of a Low Cost, High Yield Dielectric Barrier Discharge Ozone Generator Based on the Single Switch Resonant Converter, Zainal Salam, Mochammad Facta, Muhammad Amjad and Zolkafle Buntat, *IET Power Electronics* (2013) **6**, 1583-1591. [IEEE Xplore](#)
44. Rapid Chemical Evolution of Tropospheric Volcanic Emissions from Redoubt Volcano, Alaska, Based on Observations of Ozone and Halogen-Containing Gases, Peter J. Kelly, Christoph Kerna, Tjarda J. Roberts, Taryn Lopez, Cynthia Werner, Alessandro Aiuppa, *Journal of Volcanology and Geothermal Research* (2013) **259**, 317-333. [ScienceDirect](#)
45. The Changing Paradigm of Air Pollution Monitoring, Emily G. Snyder, Timothy H. Watkins, Paul A. Solomon, Eben D. Thoma, Ronald W. Williams, Gayle S. W. Hagler, David Shelow, David A. Hindin, Vasu J. Kilaru and Peter W. Preuss, *Environmental Science and Technology* (2013) **47**, 11369-11377. [ES&T](#)
46. Spatial Variations of Particulate Matter and Air Toxics in Communities Adjacent to the Port of Oakland, Eric M. Fujita, David E. Campbell, W. Patrick Arnott, Virginia Lau and Philip T. Martien, *Journal of the Air and Waste Management Association* (2013) **63**, 1399-1411. [tandfonline.com](https://tandfonline.com)
47. Heterogeneous OH Oxidation of Biomass Burning Organic Aerosol Surrogate Compounds: Assessment of Volatilisation Products and the Role of OH Concentration on the Reactive Uptake Kinetics, Jonathan H. Slade and Daniel A. Knopf, *Physical Chemistry Chemical Physics* (2013) **15**, 5898-5915. [pubs.rsc.org](https://pubs.rsc.org)
48. Ultra-Pure Air (UPA) for AMC Control in Nano-Processing Environment, Tzu-Sou Chuang and Luh-Maan Chang, *Journal of the Chinese Institute of Engineers* (2013) **36**, 965-979. [tandfonline.com](https://tandfonline.com)
49. Ozone Distribution in the Lower Troposphere over Complex Terrain in Central Chile, Rodrigo J. Seguel, Carlos A. Mancilla, Roberto Rondanelli, Manuel A. Leiva, Raúl G. E. Morales, *Journal of Geophysical Research: Atmospheres* (2013) **118**, 2966-2980. [JGR](#)
50. Photochemical Production of Molecular Bromine in Arctic Surface Snowpacks, Kerri A. Pratt, Kyle D. Custard, Paul B. Shepson, Thomas A. Douglas, Denis Pöhler, Stephan General, Johannes Zielcke, William R. Simpson, Ulrich Platt, David J. Tanner, L. Gregory Huey, Mark Carlsen and Brian H. Stirm, *Nature Geoscience* (2013) **6**, 351-356. [nature.com](https://nature.com) [PDF at purdue.edu](#)
51. Secondary Organic Aerosol Formation and Primary Organic Aerosol Oxidation from Biomass Burning Smoke in a Flow Reactor During FLAME-3, A. M. Ortega, D. A. Day, M. J. Cubison, W. H. Brune, D. Bon, J. A. de Gouw and J. L. Jimenez, *Atmospheric Chemistry and Physics* (2013) **13**, 11551-11571. [ACP Link](#)
52. Fast Response Cavity Enhanced Ozone Monitor, A. L. Gomez and E. P. Rosen, *Atmospheric Measurement Techniques* (2013) **6**, 487-494. [Atmos Meas Tech](#) [PDF at atmos-meas-tech.net](#)
53. Miniature Dual-Corona Ionizer for Bipolar Charging of Aerosol, Chaolong Qi and Pramod Kulkarni, *Aerosol Science and Technology* (2013) **47**, 1, 81-92. [tandfonline.com](https://tandfonline.com)
54. An Exploratory Analysis of Textile Fabric Soil Content through Ozone Reaction, Shamini Rajaganesh, Master's Thesis (2013) University of Texas, Austin. [utexas.edu](https://utexas.edu) [PDF at utexas.edu](#)
55. Intensive Measurements of Gas, Water, and Energy Exchange Between Vegetation and Troposphere During the MONTES Campaign in a Vegetation Gradient from Short Semi-Desertic Shrublands to Tall Wet Temperate Forests in the NW Mediterranean Basin, J. Peñuelas, A. Guenther, F. Rapparin, J. Llusiaa, I. Filellaa, R. Secoa, M. Estiarte, M. Mejia-Changa, R. Ogayaa, J. Ibañeza, J. Sardansa, L. M. Castañoa, A. Turnipseed, T. Duhl, P. Harley, J. Vila, J. M. Estavillo, S. Menéndez, O. Facini, R. Baraldi, C. Geron, J. Mak, E. G. Patton, X. Jiang and J. Greenberg, *Atmospheric Environment* (2013) **75**, 348-364. [ScienceDirect](#)

56. The Aging of Organic Aerosol in the Atmosphere: Chemical Transformations by Heterogeneous Oxidation, Sean Herbert Kessler, Ph.D. Thesis (2013) Massachusetts Institute of Technology. [DSpace@MIT](#)
57. Ozone Transport to and Removal in Porous Materials with Applications for Low-Energy Indoor Air Purification, Elliott Tyler Gall, Ph.D. Thesis (2013) University of Texas, Austin. [utexas.edu](#) [PDF at utexas.edu](#)
58. The Use of Selective Materials to Reduce Human Exposure to Ozone and Oxides of Nitrogen, Clément Cros, Ph.D. Thesis (2013) University of Texas, Austin. [UT Repository](#)
59. Advancements in Concrete Material Sustainability: Supplementary Cementitious Material Development and Pollutant Interaction, Sarah Clare Taylor-Lange, Ph.D. Thesis (2013) University of Texas, Austin. [UT Repository](#) [PDF at utexas.edu](#)
60. Effect of Dielectric and Liquid on Plasma Sterilization Using Dielectric Barrier Discharge Plasma, Navya Mastanaiah, Judith A. Johnson and Subrata Roy, *PLoS ONE* (2013) **8**, e70840. [plosone.org](#)
61. Characterizing Emissions from Prescribed Fires and Assessing Impacts to Air Quality in the Lake Tahoe Basin Using Dispersion Modeling, Tom Malamakal, Master's Thesis (2013) University of Nevada, Reno. [ProQuest](#)
62. Examining the Role of Ozone in Surface Plasma Sterilization Using Dielectric Barrier Discharge (DBD) Plasma, Navya Mastanaiah, Poulomi Banerjee, Judith A. Johnson and Subrata Roy, *Plasma Processes and Polymers* (2013) **10**, 1120-1133. [Wiley Online Library](#)
63. Health and Economic Implications of Natural Ventilation in California Offices, Spencer M. Dutton, David Banks, Samuel L. Brunswick, William J. Fisk, *Building and Environment* (2013) **67**, 34-45. [ScienceDirect](#)
64. Analysis and Implementation of Transformerless LCL Resonant Power Supply for Ozone Generation, Muhammad Amjad, Zainal Salam, Mochammad Facta and Said Mekhilef, *IEEE Transactions on Power Electronics* (2013) **28**, 650-660. [IEEE Xplore](#)
65. Atmospheric Nitric Oxide and Ozone at the WAIS Divide Deep Coring Site: A Discussion of Local Sources and Transport in West Antarctica, S. Masclin, M.M. Frey, W.F. Rogge and R.C. Bales, *Atmospheric Chemistry and Physics* (2013) **13**, 8857-8877. [atmos-chem-phys.net](#)
66. Transformerless Power Supply based on Single Switch Resonant Inverter for Ozone Generation, Z. Salam, M. Facta and M. Amjad, Applied Power Electronics Conference and Exposition (APEC), Twenty-Eighth Annual IEEE (2013). [IEEE Xplore](#)
67. Photocatalytic Degradation of NO<sub>x</sub> by Concrete Pavement Containing TiO<sub>2</sub>, Joel K. Sikkema, Ph.D. Thesis, Iowa State University (2013). [Iowa State Digital Repository](#)
68. Portable Sensors for Breath Analysis, Amlendu Prabhakar, Ph.D. Thesis, Arizona State University (2013). [ASU](#)
69. Comparisons of Aircraft Measurements of Greenhouse Gases with GOSAT Data, T. Tanaka, E.L. Yates, L.T. Iraci, M. Loewenstein, W. Gore, J. Tadic, J.P. Lopez, K. Shiomi, S. Kawakami, A. Kuze and T. Yokota, American Geophysical Union, Fall Meeting (2013), Abstract #A21G-0141. [SAO/NASA ADS Physics Abstract Service](#)
70. Vertical and Horizontal Measurements of Ambient Ozone over a Gas and Oil Production Area using a UAV Platform, A. Jensen, I. Gowing and R.S. Martin, American Geophysical Union, Fall Meeting 2013, Abstract #A53A-0148. [SAO/NASA ADS Physics Abstract Service](#).
71. Observations of Gas- and Aerosol-Phase Organic Nitrates at BEACHON-RoMBAS 2011, J.L. Fry, D.C. Draper, K.J. Zarzana, P. Campuzano-Jost, D.A. Day, J.L. Jimenez, S.S. Brown, R.C. Cohen, L. Kaser, A. Hansel, L. Capellin, T. Karl, A. Hodzic Roux, A. Turnipseed, C. Cantrell, B.L. Lefer and N. Grossberg, *Atmospheric Chemistry and Physics* (2013) **13**, 8585-8605. [atmos-chem-phys.net](#)
72. The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) Field Study, T.B. Ryerson, A.E. Andrews, W.M. Angevine, T.S. Bates, C.A. Brock, B. Cairns, R.C. Cohen, O.R. Cooper, J.A. Gouw, F.C. Fehsenfeld, R.A. Ferrare, M.L. Fischer, R.C. Flagan, A.H. Goldstein, J.W. Hair, R.M. Hardesty, C.A. Hostetler, J.L. Jimenez, A.O. Langford, E. McCauley, S.A. McKeen, L.T. Molina, A. Nenes, S.J. Oltmans, D.D. Parrish, J.R. Pederson, R.B. Pierce, K. Prather, P.K. Quinn, J.H. Seinfeld, C.J. Senff, A. Sorooshian, J. Stutz, J.D. Surratt, M. Trainer, R. Volkamer, E.J. Williams and S.C. Wofsy, *Journal of Geophysical Research: Atmospheres* (2013) **118**, 5830-5866. [Wiley Online Library](#)
73. Probing Aircraft Flight Test Hazard Mitigation for the Alternative Fuel Effects on Contrails & Cruise Emissions (ACCESS) Research Team, Michael J. Kelly, NASA/TM-2013-217995, Volume I, NESC-RP-12-00822 (2013). [NASA](#)
74. Ozone Monitor with Gas-Phase Scrubber, John W. Birks, Peter C. Andersen and Craig J. Willford, U.S. Patent No. 8395776 (2013). [Research Gate](#) [PDF at 2B Technologies](#)

75. Pollutant Control Strategies for Acceptable Indoor Air Quality and Energy Efficiency in Retail Buildings, Marwa Zaatari, Ph.D. Thesis, University of Texas, Austin (2013). [PDF from utexas.edu](#)
76. Characterization of Traffic-Related Air Pollutants near a Major Roadway in Albuquerque Using a Mobile Monitoring Approach, Lyndsey Banks, M.S. Thesis, University of Washington (2013). [PDF from washington.edu](#)
77. Devices for Ozone Concentration Monitoring, S.P. Gubarev, G.P. Opaleva, V.S. Taran and M.I. Zolototrubova, Institute of Plasma Physics, Kharkov, Ukraine (2013). [PDF from kipt.kharkov.ua](#)
78. Removal of Ultrafine Particles from Indoor Environment, Experimental and Computational Studies of Possibilities, Limitations and Applications, Siamak Rahimi Ardkapan, Ph.D. Thesis, Danish Building Research Institute, Aalborg University, Copenhagen, Denmark (2013). [Aalborg University](#)
79. Measurements of Real-World Stack Emissions in the Athabasca Oil Sands Region with a Dilution Sampling System During March, 2011, Desert Research Institute Report to Wood Buffalo Environmental Association, John G. Watson, Judith C. Chow, Xiaoling Wang, Steven D. Kohl, Steven Gronstal and Barbara Zielinska (2013). [PDF](#)
80. Fractured Consent: Public Participation in Environmental Complexity, Sarah Catherine Inmann, Masters Thesis, Georgetown University (2013). [Digital Georgetown](#)
81. Development of Novel Redox Sensors and Processes Towards Biological Applications, Jigna Parbhu Paterl, Ph.D. Thesis, University of Central Florida, Orlando, Florida (2013). [PDF](#)
82. Dielectric Barrier Discharge (DBD) Plasma Sterilization: An In-Depth Study of the Factors Contributing to and Enhancing the Sterilization Process, Navya Mastanaiah, Ph.D. Thesis, University of Florida (2013). [PDF](#)
83. Distribution of Ozone, Ozone Precursors and Gaseous Components of Atmospheric Nitrogen Deposition in the Lake Tahoe Basin, A. Bytnerowicz, M. Fenn, A. Gertler, H. Preisler and B. Zielinska, Final Report Contract No. P063 (2013), U.S. Department of Agriculture Forest Service, Tahoe Science Program, 86 pp. [ForestServiceLink](#)
84. Boundary Layer Ozone Dynamics: Direct Observations over Arctic and Ocean Locations, P.J. Boylan, Ph.D. Thesis, University of Colorado (2013), 197 pp. [ProQuest](#)
85. Testing of Models of Stomatal Ozone Fluxes with Field Measurements in a Mixed Mediterranean Forest, S. Fares, G. Matteucci, G. Scarascia Mugnozza, A. Morani, C. Calfapietra, E. Salvatori, L. Fusaro, F. Manes and F. Loreto, *Atmospheric Environment* (2013), 242-251. [Science Direct](#)
86. Field Testing of New Interference-Free Ambient Ozone Monitors, W.M. Ollison, J. Capel, W. Crow, T. Johnson and C.W. Spicer, American Geophysical Union, Spring Meeting 2013, abstract id. A42A-01. [Abstract link](#)
87. Exploring the Nature of Air Quality over Southwestern Ontario: Main Findings from the Border Air Quality and Meteorology Study, J.R. Brook, P.A. Makar, D.M.L. Sills, K.L. Hayden and R. McLaren, *Atmospheric Chemistry and Physics* (2013) **13**, 10451-10482. [ACP Link](#)
88. Heterogeneous and Multiphase Formation Pathways of Gypsum in the Atmosphere, Q. Ma, H. He, Y. Liu, C. Liu and V.H. Grassian, *Physical Chemistry Chemical Physics* (2013) **15**, 19196-19204. [RSC Link](#)
89. Ozone Reaction with Clothing and Its Initiated Particle Generation in an Environmental Chamber, A.C. Rai, B. Guo, C.-H. Lin, J. Zhang, J. Pei and Q. Chen, *Atmospheric Environment* (2013) **77**, 885-892. [ScienceDirect](#)
90. Photocatalytic Oxidation of Gaseous Benzene under 185 nm UV Irradiation, Ha. Huang, X. Ye, Hu. Huang, P. Hu, L. Zhang and D.Y.C. Leung, *International Journal of Photoenergy* (2013) **2013**, article ID 890240. [Hindawi link](#)
91. Heterogeneous Photochemical Reaction of Ozone with Anthracene Adsorbed on Mineral Dust, J. Ma, Y. Liu, Q. Ma, C. Liu and H. He, *Atmospheric Environment* (2013) **72**, 165-170. [ScienceDirect](#)
92. Ozone and Ozone Byproducts in the Cabins of Commercial Aircraft, C. Weisel, C.J. Weschler, K. Mohan, J. Vallarino and J.D. Spengler, *Environmental Science & Technology* (2013) **47** (9), 4711-4717. [PMC Link](#)
93. Fluidization of High-Density Particles: The Influence of Fines on Reactor Performance, J. Saayman, N. Ellis and W. Nicol, *Powder Technology* (2013) **245**, 48-55. [ScienceDirect](#)
94. Heterogeneous Photochemical Aging of Soot by NO<sub>2</sub> under Simulated Sunlight, C. Han, Y. Liu and H. He, *Atmospheric Environment* (2013) **64**, 270-276. [ScienceDirect](#)

95. Evaluation of HO<sub>x</sub> Sources and Cycling Using Measurement-Constrained Model Calculations in a 2-Methyl-3-Butene-2-ol (MBO) and Monoterpene (MT) Dominated Ecosystem, S. Kim, G.M. Wolfe, L. Mauldin, C. Cantrell, A. Guenther, T. Karl, A. Turnipseed, J. Greenberg, S.R. Hall, K. Ullmann, E. Apel, R. Hornbrook, Y. Kajii, Y. Nakashima, F.N. Keutsch, J.P. DiGangi, S.B. Henry, L. Kaser, R. Schnitzhofer, M. Graus, A. Hansel, W. Zheng and F.F. Flocke, *Atmospheric Chemistry and Physics* (2013) **13**, 2031-2044. [ACP Link](#)
96. Atmospheric Mercury over Sea Ice during the OASIS-2009 Campaign, A. Steffen, J. Bottenheim, A. Cole, T.A. Douglas, R. Ebinghaus, U. Friess, S. Netcheva, S. Nghiem, H. Sihler and R. Staebler, *Atmospheric Chemistry and Physics* (2013) **13**, 7007-7021. [ACP Link](#)
97. Cavity Ring-Down Spectroscopy Sensor Development for High-Time-Resolution Measurements of Gaseous Elemental Mercury in Ambient Air, A. Pierce, D. Obrist, H. Moosmüller, X. Fain and C. Moore, *Atmospheric Measurement Techniques* (2013) **6**, 1477-1489. [AMT Link](#)
98. Effects of the Heterogeneous OH Oxidation of Squalane Organic Aerosol on Particle Evaporation Kinetics, K.R. Kolesar, Master's Thesis, University of California Davis (2013), 77 pp. [ProQuest Link](#)
99. Air Cleaning Technology for Energy Efficiency and Good Air Quality, A. Afshari, N.C. Bergsøe and S.R. Ardkapan, Statens Byggeforskningsinstitut (Danish Building Research Institute), Aalborg Universitet (2013), SBI 2013:31, 36 pp. [Semanic Scholar Link](#)
100. Study on Calibration of Ozone Analyzers Applied in Environmental Monitoring Field by Model 49i-PS Ozone Calibrator, W. Xiao and W.-K. Wang, *China Measurement & Test* (2013) **39**, 4. [ChinaMTT](#)
101. Combined Hydrodynamic and Reaction Analysis of a Bubbling to Turbulent Fluidized Bed Reactor, J. Saayman, Ph.D. Thesis (2013), University of Pretoria, 125 pp. [UnivPretoriaLink](#)
102. *2012 Utah Ozone Study*, S. Arens and K. Harper, State of Utah Department of Environmental Quality, Division of Air Quality (2013), report DAQK-15-13, 46 pp. [2B Tech Link](#)

## 2012

1. OH-Initiated Heterogeneous Aging of Highly Oxidized Organic Aerosol, Sean H. Kessler, Theodora Nah, Kelly E. Daumit, Jared D. Smith, Stephen R. Leone, Charles E. Kolb, Douglas R. Worsnop, Kevin R. Wilson and Jesse H. Kroll, *Journal of Physical Chemistry A* (2012) **116**, 6358-6365. [pubs.acs.org](#) [escholarship.org](#)
2. Long-Term Performance of Passive Materials for Removal of Ozone from Indoor Air, C. J. Cros, G. C. Morrison, J. A. Siegel and R. L. Corsi, *Indoor Air* (2012) **22**, 43-53. [Wiley Online Library](#) [PDF from utexas.edu](#)
3. Ozone Removal by Filters Containing Activated Carbon: A Pilot Study, W. Fisk, Lawrence Berkeley National Laboratory, (2012) LBL Paper LBNL-4828E. [eScholarship](#)
4. Effects of Essential Oils on the Formation of Formaldehyde and Secondary Organic Aerosols in an Aromatherapy Environment, H.-L. Huang, T.-J. Tsai, N.-Y. Hsu, C.-C. Lee, P.-C. Wu, H.-J. Su, *Building and Environment* (2012) **57**, 120-125. [ScienceDirect](#)
5. Structure and Composition of the Lower Troposphere over the Himalayan Foothills of Nepal, Ksenia Braznik (2012) University of Virginia, Charlottesville, Virginia. [PDF at vsqc.odu.edu](#)
6. Heterogeneous Ozonolysis of Pirimicarb and Isopropalin: Mechanism of Ozone-Induced N-Dealkylation and Carbonylation Reactions, Bo Yang, Youfeng Wang, Wang Zhang, Changgeng Liu, Xi Shu and Jinian Shu, *Environmental Chemistry* (2012) **9**, 521-528. [CSIRO Publishing](#)
7. Ozone-Induced Stomatal Sluggishness Develops Progressively in Siebold's Beech (*Fagus crenata*), Yasutomo Hoshika, Makoto Watanabe, Naoki Inada, Takayoshi Koike, *Environmental Pollution* (2012) **166**, 152-156. [ScienceDirect](#)
8. Energy and Ozone Fluxes over Sea Ice, Jennifer B. A. Muller, James R. Dorsey, Michael Flynn, Martin W. Gallagher, Carl J. Percival, Dudley E. Shallcross, Alexander Archibald, Howard K. Roscoe, Rachel W. Obbard, Helen M. Atkinson, James D. Lee, Sarah J. Moller and Lucy J. Carpenter, *Atmospheric Environment* (2012) **47**, 218-225. [ScienceDirect](#)
9. Modeling of Stomatal Conductance for Estimating Ozone Uptake of *Fagus crenata* Under Experimentally Enhanced Free-Air Ozone Exposure, Yasutomo Hoshika, Makoto Watanabe, Naoki Inada and Takayoshi Koike, *Water, Air and Soil Pollution* (2012) **223**, 3893-3901. [SpringerLink](#) [PDF at hokudai.ac.jp](#)

10. Summertime Formaldehyde Observations in New York City: Ambient Levels, Sources and its Contribution to HOx Radicals, Yu Chi Lin, James J. Schwab, Kenneth L. Demerjian, Min-Suk Bae, Wei-Nai Chen, Yele Sun, Qi Zhang, Hui-Ming Hung and Jacqueline Perry, *Journal of Geophysical Research* (2012) **117**, D08305, 14 pp. PDF at [AGU Publications](#)
11. Enhancement of the Deposition of Ultrafine Secondary Organic Aerosols by the Negative Air Ion and the Effect of Relative Humidity, Kuo-Pin Yu, *Journal of the Air and Waste Management Association* (2012) **11**, 1296-1304. [Taylor and Francis Online](#) [PDF at tandfonline.com](#)
12. Accelerated Oxidation of Silicon Due to X-ray Irradiation, S. Bhandaru, En Xia Zhang, D. M. Fleetwood, R. A. Reed, R. A. Weller, R. R. Harl, B. R. Rogers and S. M. Weiss, *IEEE Transactions on Nuclear Science* (2012) **59**, 781-785. [IEEE Explore](#)
13. Coastal Iodine Emissions: Part 2. Chamber Experiments of Particle Formation from *Laminaria digitata*-Derived and Laboratory-Generated I<sub>2</sub>, Ciaran Monahan, Enowmbi R. Ashu-Ayem, Udo Nitschke, Steven B. Darby, Paul D. Smith, Dagmar B. Stengel, Dean S. Venables and Colin D. O'Dowd, *Environmental Science and Technology* (2012) **46**, 10422–10428. [pubs.acs.org](#)
14. Bay Breeze Influence on Surface Ozone at Edgewood, MD during July 2011, Ryan M. Stauffer, Anne M. Thompson, Douglas K. Martins, Richard D. Clark, Daniel L. Goldberg, Christopher P. Loughner, Ruben Delgado, Russell R. Dickerson, Jeffrey W. Stehr and Maria A. Tzortziou, *Journal of Atmospheric Chemistry* (2012) **71** (3), 335-353, doi 10.1007/s10874-012-9241-6. [SpringerLink](#)
15. On-Road Diesel Vehicle Emission Factors for Nitrogen Oxides and Black Carbon in Two Chinese Cities, Xing Wang, Dane Westerdahl, Jingnan Hu, Ye Wu, Hang Yin, Xiaochuan Pan and K. Max Zhang, *Atmospheric Environment* (2012) **46**, 45-55. [ScienceDirect](#)
16. Cavity-Enhanced Absorption Using an Atomic Line Source: Application to Deep-UV Measurements, Steven B. Darby, Paul D. Smith and Dean S. Venables, *Analyst* (2012) **1137**, 2318-2321. [Analyst](#)
17. Impact of 2,4-D Sodium Salt and Automobile Exhaust on the Photosynthetic Pigment and Ascorbic Acid Content of *Cymbopogon martini*, Annapurna Singh, Nandita Singh and M. Yunus, *Journal of Chemical and Pharmaceutical Research* (2012) **4**, 5114-5120. [PDF at jocpr.com](#)
18. Evaluation of the Nano-Confined Catalytic Oxidation Technology for Air Purification and Odor Reduction, Amy Leung and Ezra Kwok, *Advanced Materials Research* (2012) **550-553**, 607-615. [Scientific.net](#)
19. Measuring the Penetration of Ambient Ozone into Residential Buildings, Brent Stephens, Elliott T. Gall and Jeffrey A. Siegel, *Environmental Science and Technology* (2012) **46**, 929-936. [ES&T](#) [PDF at built-envi.com](#)
20. Hydrocarbon Emissions Characterization in the Colorado Front Range: A Pilot Study, Gabrielle Pétron, Gregory Frost, Benjamin R. Miller, Adam I. Hirsch, Stephen A. Montzka, Anna Karion, Michael Trainer, Colm Sweeney, Arlyn E. Andrews, Lloyd Miller, Jonathan Kofler, Amnon Bar-Ilan, Ed J. Dlugokencky, Laura Patrick, Charles T. Moore Jr., Thomas B. Ryerson, Carolina Siso, William Kolodzey, Patricia M. Lang, Thomas Conway, Paul Novelli, Kenneth Masarie, Bradley Hall, Douglas Guenther, Duane Kitzis, John Miller, David Welsh, Dan Wolfe, William Neff and Pieter Tans, *Journal of Geophysical Research: Atmospheres* (2012) **117**, D04304. [AGU Publications](#) [PDF at colorado.edu](#)
21. Room Temperature Ozone Detection using ZnO based Film Bulk Acoustic Resonator (FBAR), Z. Wanga, X. Qiud, J. Shia and H. Yub, *Journal of the Electrochemical Society* (2012) **159**, J13-J16. [JES](#)
22. Impacts of a Clay Plaster on Indoor Air Quality Assessed Using Chemical and Sensory Measurements, Erin K. Darling, Clement J. Cros, Pawel Wargocki, Jakub Kolarik, Glenn C. Morrison and Richard L. Corsi, *Building and Environment* (2012) **57**, 370-376. [ScienceDirect](#)
23. A Microfluidic-Colorimetric Sensor for Continuous Monitoring of Reactive Environmental Chemicals, Rui Wang, A. Prabhakar, R. A. Iglesias, Xiaojun Xian, Xiaonan Shan, F. Tsow, Eric S. Forzani and Nongjian Tao, *Sensors Journal, IEEE* (2012) **12** (5), 1529-1535. [IEEE Xplore](#)
24. Carbon Monoxide Enhances the Chilling Tolerance of Recalcitrant *Baccaurea ramiflora* Seeds via Nitric Oxide-Mediated Glutathione Homeostasis, Xue-gui Bai, Jin-hui Chen, Xiang-xiang Kong, Christopher D. Todd, Yong-ping Yang, Xiang-yang Hu, De-zhu Li, *Free Radical Biology and Medicine* (2012) **53**, 710-720. [ScienceDirect](#)
25. Coastal Iodine Emissions. 1. Release of I<sub>2</sub> by *Laminaria digitata* in Chamber Experiments, Enowmbi R. Ashu-Ayem, Udo Nitschke, Ciaran Monahan, Jun Chen, Steven B. Darby, Paul D. Smith, Colin D. O'Dowd, Dagmar B. Stengel and Dean S. Venables, *Environmental Science and Technology* (2012) **46**, 10413-10421. [ES&T](#) [PDF at ucc.ie](#)
26. Light-Absorbing Products Form during the Aqueous Phase Reaction of Phenolic Compounds in the Presence of Nitrate and Nitrite with UV Illumination, Hao Tang and Jonathan E. Thompson, *Open Journal of Air Pollution* (2012) **1**, 13-21. [PDF at scrip.org](#)

27. Ozone Dynamics and Snow-Atmosphere Exchanges During Ozone Depletion Events at Barrow, Alaska, Detlev Helmig, Patrick Boylan, Bryan Johnson, Sam Oltmans, Chris Fairall, Ralf Staebler, Andrew Weinheimer, John Orlando, David J. Knapp, Denise D. Montzka, Frank Flocke, Udo Frieß, Holger Sihler and Paul B. Shepson, *Journal of Geophysical Research* (2012) **117**, D20303. [Wiley Online](#) PDF at [ucar.edu](#)
28. Growth and Photosynthetic Responses of Four Landscape Shrub Species to Elevated Ozone, L. Zhang, B. Y. Su, H. Xu and Y. G. Li, *Phosynthetica* (2012) **50**, 67-76. [SpringerLink](#)
29. Real-Time, Controlled OH-Initiated Oxidation of Biogenic Secondary Organic Aerosol, J. G. Slowik, J. P. S. Wong and J. P. D. Abbatt, *Atmospheric and Chemistry Physics* (2012) **12**, 9775-9790. [Atmos Chem Phys](#) PDF at [atmos-chem-phys.net](#)
30. The Chemical Evolution and Physical Properties of Organic Aerosol: A Molecular Structure Based Approach, Yiyi Wei, Tingting Cao and Jonathan E. Thompson, *Atmospheric Environment* (2012) **62**, 199-207. [ScienceDirect](#)
31. Surface Ozone in Jiuzhaigou National Park, Eastern Rim of the Qinghai-Tibet Plateau, China, Qiao Xue, Tang Ya\*, Daniel Jaffe, Chen Pan, Xiao Weiyang and Deng Guiping, *Journal of Mountain Science* (2012) **9**, 687-696. [SpringerLink](#)
32. Characterization of Near-Highway Submicron Aerosols in New York City with a High-Resolution Aerosol Mass Spectrometer, Y. L. Sun, Q. Zhang, J. J. Schwab, W.-N. Chen, M.-S. Bae, H.-M. Hung, Y.-C. Lin, N. L. Ng, J. Jayne, P. Massoli, L. R. Williams and K. L. Demerjian, *Atmospheric Chemistry and Physics* (2012) **12**, 2215-2227. [Atmos Chem Phys](#) PDF at [atmos-chem-phys.net](#)
33. An Innovative Method for Oxidizing Hydrogen Sulfide using Hydroxyl Radicals, Jigna Patel, Carolina Franco, Diego J. Díaz and Cherie Yestrebtsky, Department of Chemistry, University of Central Florida (2012). [2B Tech Archive](#)
34. Adsorption and Photocatalytic Oxidation of Formaldehyde on a Clay-TiO<sub>2</sub> Composite, Daria Kibanova, Mohamad Sleiman, Javiera Cervini-Silvab and Hugo Destailats, *Journal of Hazardous Materials* (2012) **211-212**, 233-239. [Science Direct](#)
35. Device for Ozone Concentration Monitoring OCM-3, V. S. Taran, S. P. Gubarev, G. P. Opaleva and M. I. Zolototrubova, *International Conference-School on Plasma Physics and Controlled Fusion and the Adjont Workshop "Nano- and micro-sized structures in plasmas"* (2012) September 17-22, Alushta (Crimea), Ukraine. [PDF at kipt.kharkova.ua](#)
36. High Molecular Weight SOA Formation During Limonene Ozonolysis: Insights from Ultrahigh-Resolution FT-ICR Mass Spectrometry Characterization, S. Kundu, R. Fisseha, A. L. Putman, T. A. Rahn and L. R. Mazzoleni, *Atmospheric Chemistry and Physics* (2012) **12**, 5523-5536. [Atmos Chem Phys](#) PDF at [atmos-chem-phys.net](#)
37. Understanding Tropospheric Ozone in a Montane Tropical Rainforest: An Analysis of Ozone Levels in the Luquillo Mountains of Puerto Rico, Chennery Fife, Master of Environmental Studies Capstone Project (2012) University of Pennsylvania. [Penn Scholar Commons](#) PDF at [upenn.edu](#)
38. UV-Ozone Generation from Modified High Intensity Discharge Mercury Vapor Lamps for Treatment of Indium Tin Oxide Films, Emerson Roberto Santos, Elvo Calixto Burini and Shu Hui Wang, *Ozone Science and Engineering* (2012) **34**, 129-135. [Taylor & Francis Online](#)
39. Whole-Tree Water Use Efficiency Is Decreased by Ambient Ozone and Not Affected by O<sub>3</sub>-Induced Stomatal Sluggishness, Yasutomo Hoshika, Kenji Omasa and Elena Paoletti, *PLoS ONE* (2012) **7**, e39270. [PLoS ONE](#) PDF at [PLoS ONE](#)
40. Key Role of Organic Carbon in the Sunlight-Enhanced Atmospheric Aging of Soot by O<sub>2</sub>, Chong Han, Yongchun Liu, Jinzhu Ma and Hong He, *Proceedings of the National Academy of Sciences of the United States of America* (2012) **109**, 21250–21255. [PNAS](#) PDF at [PNAS](#)
41. A New Atmospherically Relevant Oxidant of Sulphur Dioxide, R. L. Mauldin III, T. Berndt, M. Sipilä, P. Paasonen, T. Petäjä, S. Kim, T. Kurtén, F. Stratmann, V.-M. Kerminen and M. Kulmala, *Nature* (2012) **488**, 193-196. [Nature](#)
42. A Novel Method for Bacterial Inactivation Using Electrospayed Water Nanostructures, Georgios Pyrgiotakis, James McDevitt, Toshiyuki Yamauchi and Philip Demokritou, *Journal of Nanoparticle Research* (2012) **14**, 1027. [SpringerLink](#)
43. Controlling Indoor Bioaerosols Using a Hybrid System of Ozone and Catalysts, Hsiao-Lin Huang, Mei-Guei Lee and Jen-Hsuan Tai, *Aerosol and Air Quality Research* (2012) **12**, 73-82. [PDF at cas.cn](#)
44. Measurement of the 17O-Excess ( $\Delta 17O$ ) of Tropospheric Ozone Using a Nitrite-Coated Filter, William C. Vicars, S. K. Bhattacharya, Joseph Erbland and Joël Savarino, *Rapid Communications in Mass Spectrometry* (2012) **26**, 1219-1231. [Wiley Online Library](#)
45. Open-Top Chambers to Study Air Pollution Impacts in South Africa. Part I: Microclimate in Open-Top Chambers, E. Heyneke, P. R. Smit, L. van Rensburg and G. H. J. Krüger, *South African Journal of Plant and Soil* (2012) **29**, 1-7. [tandfonline.com](#) PDF at [tandfonline.com](#)

46. Solar UV-B Effects on PSII Performance in *Betula nana* are Influenced by PAR Level and Reduced by EDU: Results of a 3-Year Experiment in the High Arctic, Kristian R. Albert, Teis N. Mikkelsen, Helge Ro-Poulsen, Marie F. Arndal, Kristine Boesgaard, Anders Michelsen, Dan Bruhn and Niels M. Schmidt, *Physiologia Plantarum* (2012) **145**, 485-500. [Wiley Online Library](#)
47. Vertical Profiles of Aerosol Optical Properties over Central Illinois and Comparison with Surface and Satellite Measurements, P.J. Sheridan, E. Andrews, J.A. Ogren, J.L. Tackett and D.M. Winker, *Atmospheric Chemistry and Physics* (2012) **12**, 11695-11721. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
48. Variation of Ozone Concentration of Winter Wheat Field and Mechanistic Analysis of Its Possible Effect on Wheat Yield in Northwest-Shandong Plain of China, Zhi-Lin Zhu, Xiao-Min Sun, Feng-Hua Zhao, Xue-Fa Wen, Xin-Zhai Tang and Guo-Fu Yuan, *Chinese Journal of Plant Ecology* (2012) **36**, 313-323. [PDF at 2B Tech Archive](#)
49. In-Flight/Onboard Monitoring: ACER's Component for ASHRAE 1262, Part 2, John D. Spengler, Jose Vallarino, Eileen McNeely, Hanine Estephan and Ann Louise Sumner, Report No. RITE-ACER-CoE-2012-6 (2012) Final Report for the Airliner Cabin Environmental Research (ACER) Program of the National Air Transportation Center of Excellence for Research in the Intermodal Transport Environment (RITE). [PDF at 2B Tech Archive](#)
50. Formaldehyde as a Probe of Rural Volatile Organic Compound Oxidation, Joshua P. DiGangi, Ph.D. Thesis (2012), University of Wisconsin, Madison. [PDF at 2B Tech Archive](#)
51. Mineral Lease Fund Report, Utah Water Research Laboratory, Fiscal Year 2011, Mac McKee (2012) Utah State University, Logan, Utah, February 2012. [PDF at 2B Tech Archive](#)
52. Emission Reduction and Assisted Combustion Strategies for Compression Ignition Engines with Subsequent Testing on a Single-Cylinder Engine, Colter Ragone, Master's Thesis (2012), University of Kansas, Lawrence, 128 pp. [KU ScholarWorks](#) [PDF at ku.edu](#)
53. The Expedition of the Research Vessel "Polarstern" to the Antarctic in 2012 (ANT-XXVIII/5), Karl Bumke, Ed., *Berichte zur Polar- und Meeresforschung, Reports on Polar and Marine Research* (2012) Helmholtz Gemeinschaft, Bremerhaven, Bundesrepublik Deutschland. [PDF at awi.de](#)
54. Novel Methods of Characterizing the Fate and Transport of Pollutants in Residential and Light-Commercial Buildings, Brent Stephens, Ph.D. Thesis (2012) University of Texas, Austin. [PDF at 2B Tech Archive](#)
55. Combustion and Destruction/Removal Efficiencies of In-Use Chemical Flares in the Greater Houston Area, Ezra C. Wood, Scott C. Herndon, Ed C. Fortner, Timothy B. Onasch, Joda Wormhoudt, Charles E. Kolb, W. Berk Knighton, Ben H. Lee, Miguel Zavala, Luisa Molina and Marvin Jones, *Industrial and Engineering Chemistry Research* (2012) **51**, 12685-12696. [pubs.acs.org](#)
56. New Russian Aircraft-Laboratory Yak-42D "Atmosphere" for Environment Research and Cloud Modification, Yuri Borisov, Victor Petrov, Mikhail Strunin, Viacheslav Khattatov, Bagrat Danelyan, Alexander Azarov, Prof. Boris Fomin, Vasilii Martanov, Valeriy Stasenko, Sergey Vakulovskiy, Andrey Sinkevich, Lyudmila Sokolenko and Boris Lepukho, 16th International Conference on Clouds and Precipitation (2012). [PDF at cao-rhms.ru](#)
57. Industrial Flare Performance at Low Flow Conditions. 1. Study Overview, Vincent M. Torres, Scott Herndon, Zach Kodesh and David T. Allen, *Industrial Engineering and Chemical Research* (2012) **51**, 12559-12568. [pubs.acs.org](#)
58. Measurement of Real-World Stack Emissions with a Dilution Sampling System, X. L. Wang, J. G. Watson, J. C. Chow, S. D. Kohl, L.-W. A. Chen, D. A. Sodeman, A. H. Legge and K.E. Percy (2012), in *Alberta Oil Sands: Energy, Industry, and the Environment*, Percy, K. E., Ed., Elsevier Press, Amsterdam, pp. 171-192. [PDF at 2B Tech Archive](#)
59. Pollution Gradients and Chemical Characterization of Particulate Matter from Vehicular Traffic near Major Roadways: Results from the 2009 Queens College Air Quality Study in NYC, Paola Massoli, Edward C. Fortner, Manjula R. Canagaratna, Leah R. Williams, Qi Zhang, Yele Sun, James J. Schwab, Achim Trimborn, Timothy B. Onasch, Kenneth L. Demerjian, Charles E. Kolb, Douglas R. Worsnop and John T. Jayne, *Aerosol Science and Technology* (2012) **46**, 1201-1208. [tandfonline.com](#)
60. Atmospheric Chemistry and Physics in the Atmosphere of a Developed Megacity (London): An Overview of the REPARTEE Experiment and its Conclusions, R. M. Harrison, M. Dall'Osto, D. C. S. Beddows, A. J. Thorpe, W. J. Bloss, J. D. Allan, H. Coe, J. R. Dorsey, M. Gallagher, C. Martin, J. Whitehead, P. I. Williams, R. L. Jones, J. M. Langridge, A. K. Benton, S. M. Ball, B. Langford, C. N. Hewitt, B. Davison, D. Martin, K. F. Petersson, S. J. Henshaw, I. R. White, D. E. Shallcross, J. F. Barlow, T. Dunbar, F. Davies, E. Nemitz, G. J. Phillips, C. Helfter, C. F. Di Marco and S. Smith, *Atmospheric Chemistry and Physics* (2012) **12**, 3065-3114. [Atmos Chem Phys](#)

61. Three Air Quality Studies: Great Lakes Ozone Formation and Nitrogen Dry Deposition; and Tucson Aerosol Chemical Characterization, Theresa Anne Foley, Ph.D. Thesis (2012) University of Arizona. [UA Campus Repository](#) [PDF at openrepository.com](#)
62. Wintertime Distributed Ozone Measurement in Utah's Uintah Basin during UBWOS 2012, K. Moore, R. Martin, K. Harper and S. Lyman, Poster 0224, AGU Fall Meeting (2012). [PDF at agu.org](#)
63. Two Years of Ozone Vertical Profiles Collected from Aircraft over California and the Pacific Ocean, D. Austerberry, E.L. Yates, M. Roby, R.B. Chatfield, L.T. Iraci, b. Pierce, T.D. Fairlie, B.J. Johnson and M. Ives, AGU Fall Meeting Abstracts (2012). [SAO/NASA ADS Physics Abstract Service](#)
64. Mobile Health Sensor for Personal Exposure Assessment, Rui Wang, Ph.D. Thesis, Arizona State University (2012). [PDF from asu.edu](#)
65. Monitoring of Ozone in Selected Forest Ecosystems in Southern Carpathian and Romanian Intensive Monitoring Network (Level II), D. Silaghi and Ovidiu Badea, *Journal of Environmental Monitoring* (2012) **14**, 1710-1717. [PDF at rsc.org](#)
66. Concentrațiile agenților poluanți (O<sub>3</sub>, NO<sub>2</sub> and NH<sub>3</sub>) înregistrate în ecosistemele forestiere selectate (core plots) din rețeaua de monitoring intensiv (Nivel II), Diana Silaghi, Ovidiu Badea, Carmen Iacoban, Ștefan Neagu and Ștefan Leca, *Revista pădurilor* (2012) **126**, 85-92. [Revista pădurilor](#)
67. System and Performance Audit of Surface Ozone, Methane, Carbon Dioxide, Nitrous Oxide and Carbon Monoxide at the Global GAW Station, Cape Verde, December 2012, C. Zellweger, M. Steinbacher, B. Buchmann and R. Steinbrecher (2012) WCC-Empa Report 12/4. [PDF at psu.edu](#)
68. La Fluorescenza Clorofilliana Quale Strumento di Indagine nel Campo del Biomonitoraggio Ambientale e del Restauro Dei Monumenti (Chlorophyll Fluorescence as a Survey Tool in the Field of Environmental Biomonitoring and Restoration Of Monuments), Stefano Bertuzzi (2012) Ph.D. Thesis, Università degli Studi di Trieste. [PDF](#)
69. Ventilation and Indoor Air Quality in Retail Stores, Jeffrey A. Seigel, Jelena Srebric, Neil Crain, Elena Nirlo, Marwa Zaatari, Andrew Hoisington, Jorge Urquidi, Shi Shu, Yang-Seon Kim and Daranee Jareemit, ASHRAE Research Project Report 1596-RP (2012). [PDF at Research Gate](#)
70. Winter Air Quality in Yellowstone National Park 2009-2011, J.D. Ray, Natural Resource Technical Report NPS/NRSS/ARD/NRTR-2012/551 (2012), National Park Service NPS 101/112898, 38 pp. [National Park Service Link](#)
71. Whole-Tree Water Use Efficiency Is Decreased by Ambient Ozone and Not Affected by O<sub>3</sub>-Induced Stomatal Sluggishness, Y. Hoshika, K. Omasa and E. Paoletti, *PLoS ONE* (2012) **7** (6), e39270, doi:10.1371/journal.pone.0039270. [PLOS ONE](#)
72. Treatment of Volatile Organic Compounds in Cooking Oil Fume Emitted from Restaurants by Nano-sized TiO<sub>2</sub> Photocatalyst Coated Fiberglass Filter and Ozone Oxidation Technology, T.-F. Lai, Master's Thesis, National Sun Yat-sen University (2012), 135 pp. [NSYSU link](#)
73. Toxicological Effects of Nanoparticles from Photocopiers, M. Khatri, Ph.D. Thesis, University of Massachusetts (2012), 187 pp. [ProQuest](#)
74. A Cavity Ring-Down Spectroscopy System for High Time Resolution Measurements of Gaseous Elemental Mercury Concentrations, A.M. Pierce, Master's Thesis, University of Nevada, Reno (2012), 146pp. [ProQuest](#)
75. Evaluation of Ozone Trends and Distribution in the Paso del Norte Region Using TCEQ's CAMS Data and Ozone Data Collected at Two Supplemental Sites, A.M. Sandoval, Master's Thesis, The University of Texas at El Paso (2012), 115pp. [ProQuest](#)
76. Studies of Tropospheric Halogen Radical Chemistry During Ozone and Mercury Depletion Events in the Arctic: Volume I, C.R. Stephens, Ph.D. Thesis, Purdue University (2012), 383 pp. [ProQuest](#)
77. Nitrogen and Ozone Pollution: A Threat to Natural Ecosystems, M. Adrees, Ph.D. Thesis, Imperial College London (2012), 202 pp. [Imperial College link](#)
78. Effect of Soot Microstructure on Its Ozonization Reactivity, C. Han, Y. Liu, J. Ma and H. He, *The Journal of Chemical Physics* (2012) **137**, 084507, doi:10.1063/1.4747190. [AIP Link](#)
79. Iodine Emissions from the Sea Ice of the Weddell Sea, H.M. Atkinson, R.-J. Huang, R. Chance, H.K. Roscoe, C. Hughes, B. Davison, A. Schönhardt, A.S. Mahajan, A. Siaz-Lopez, T. Hoffmann and P.S. Liss, *Atmospheric Chemistry and Physics* (2012) **12**, 11229-11244. [ACP Link](#)

80. Comparison of the MOVES2010a, MOBILE6.2, and EMFAC2007 Mobile Source Emission Models with On-Road Traffic Tunnel and Remote Sensing Measurements, E.M. Fujita, D.E. Campbell, B. Zielinska, J.C. Chow, C.E. Lindhjem, A. DenBleyker, G.A. Bishop, B.G. Schuchmann, D.H. Stedman and D.R. Lawson, *Journal of the Air & Waste Management Association* (2012) **62** (10), 1134-1149. [Taylor&Francis Link](#)
81. *Assessment of Air Quality Based on Past and Ongoing Monitoring Data in FY 12*, D. DuBois and E. Ward, Study IId, Report for the Assessment of Land-based Sources of Air Quality Contaminants in the Binational Border Region of Southwestern New Mexico, Northwestern Chihuahua and West Texas (2012), prepared for the Department of Health, Office of Border Health, Las Cruces, New Mexico, 66 pp. [PDF at 2B Tech Archive](#)
82. Bacterial Inactivation by Engineered Water Nanostructures Generated by Electrospraying, G. Pyrgiotakis, J. McDevitt, T. Yamauchi and P. Demokritou, *NSTI-Nanotech 2012* (2012), ISBN 978-1-4665-6274-5, Vol. 1, 421-424. [Techconnect Link](#)

## 2011

1. Surface Ozone in the White Mountains of California, J. D. Burley and A. Bytnerowicz, *Atmospheric Environment* **45** (2011) 4591-4602. [Science Direct](#)
2. Ultrafine Particle Concentrations and Exposures in Seven Residences in Northern California, S. Bhargar, N. A. Mullen, S. V. Hering, N. M. Kreisberg and W. W. Nazaroff, *Indoor Air* (2011) **21**, 132-144. [Wiley Online Library](#)
3. Laboratory Studies of the Chemical Composition and Cloud Condensation Nuclei (CCN) Activity of Secondary Organic Aerosol (SOA) and Oxidized Primary Organic Aerosol (OPOA), A. T. Lambe, T. B. Onasch, P. Massoli, D. R. Croasdale, J. P. Wright, A. T. Ahern, L. R. Williams, D. R. Worsnop, W. H. Brune and P. Davidovits, *Atmospheric Chemistry and Physics* (2011) **11**, 8913-8928. [Atmos Chem & Phys](#) [PDF at atmos-chem-phys.net](#)
4. Heterogeneous Oxidation of the Insecticide Cypermethrin as Thin Film and Airborne Particles by Hydroxyl Radicals and Ozone, M. Segal-Rosenheimer, R. Linker and Y. Dubowski, *Physical Chemistry Chemical Physics* (2011) **13**, 506-517. [Phys Chem Chem Phys](#) [PDF at technion.ac.il](#)
5. Evolution of Organic Aerosol Mass Spectra upon Heating: Implications for OA Phase and Partitioning Behavior, C. D. Cappa and K. R. Wilson, *Atmospheric Chemistry and Physics* (2011) **11**, 1895-1911. [Atmos Chem & Phys](#) [PDF at atmos-chem-phys.net](#)
6. First Direct Measurements of Formaldehyde Flux via Eddy Covariance: Implications for Missing In-Canopy Formaldehyde Sources, J. P. DiGangi, E. S. Boyle, T. Karl, P. Harley, A. Turnipseed, S. Kim, C. Cantrell, R. L. Maudlin III, W. Zheng, F. Flocke, S. R. Hall, K. Ullmann, Y. Nakashima, J. B. Paul, G. M. Wolfe, A. R. Desai, Y. Kajii, A. Guenther and F. N. Keutsch, *Atmospheric Chemistry and Physics* (2011) **11**, 10565-10578. [Atmos Chem & Phys](#) [PDF from atmos-chem-phys.net](#)
7. Photocatalytic Ozone Sensor Based on Mesoporous Indium Oxide: Influence of the Relative Humidity on the Sensing Performance, T. Wagner, J. Hennemann, C.-D. Kohl, M. Tiemann, *Thin Solid Films* (2011) **520**, 918-921. [ScienceDirect](#)
8. Ozone Generation by Rock Fracture: Earthquake Early Warning?, R. A. Baragiola, C. A. Dukes and D. Hedges, *Applied Physics Letters* (2011) **99**, 204101 - 204101-3. [AIP Scitation](#)
9. Concurrent Observations of Atomic Iodine, Molecular Iodine and Ultrafine Particles in a Coastal Environment, A. S. Mahajan, M. Sorribas, J. C. Gómez Martín, S. M. MacDonald, M. Gil, J. M. C. Plane and A. Saiz-Lopez, *Atmospheric Chemistry and Physics* (2011) **11**, 2545-2555. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
10. Exposure Assessment of Ozone in Elementary School in Kaohsiung, Taiwan, Y. C. Lin, K. D. Mena and P. S. Chen (2011) [PDF at 2B Tech Archive](#)
11. Elevated Wintertime Ozone in Utah's Uinta Basin, R. S. Martin, K. D. Moore, S. Hill and K. Harper (2011) American Geophysical Union, Fall Meeting 2011, Abstract #A14B-08. [Abstract at harvard.edu](#)
12. Characterization of Aerosol Photooxidation Flow Reactors: Heterogeneous Oxidation, Secondary Organic Aerosol Formation and Cloud Condensation Nuclei Activity Measurements, A. T. Lambe, A. T. Ahern, L. R. Williams, J. G. Slowik, J. P. S. Wong, J. P. D. Abbatt, W. H. Brune, N. L. Ng, J. P. Wright, D. R. Croasdale, D. R. Worsnop, P. Davidovits and T. B. Onasch, *Atmospheric Measurement Techniques* (2011) **4**, 445-461. [Atmos Meas Tech](#) [PDF at atmos-meas-tech.net](#)
13. Heterogeneous Ice Nucleation on Particles Composed of Humic-Like Substances Impacted by O<sub>3</sub>, Bingbing Wang and Daniel A. Knopf, *Journal of Geophysical Research: Atmospheres* (2011) **116**, D3. [JGR](#)

14. The Effect of an Ion Generator on Indoor Air Quality in a Residential Room, M. S. Waring and J. A. Siegel, *Indoor Air* (2011) **21**, 267-276. [Wiley Online Library](#)
15. Healthy Commute? Traffic Conditions, Ambient Air Pollution, and Cyclist Exposure, Sarah Jarjour (2011) Spring. PDF at [berkeley.edu](#)
16. Evolution of Organic Aerosol Mass Spectra upon Heating: Implications for OA Phase and Partitioning Behavior, C. D. Cappa and K. R. Wilson, *Atmospheric Chemistry and Physics* (2011) **11**, 1895-1911. [Atmos Chem Phys](#) [PDF at atmos-chem-phys](#)
17. Ozone Sensor Using ZnO Based Film Bulk Acoustic Resonator, Z. Wang, X. Qiu, J. Oiler, J. Zhu, H. Huang, H. Wang, J. Shi and H. Yu, *Solid-State Sensors, Actuators and Microsystems Conference (TRANSDUCERS), 2011 16th International* (2011) 5-9 June 2011. [IEEE Xplore](#)
18. Enhancement Effect of Relative Humidity on the Formation and Regional Respiratory Deposition of Secondary Organic Aerosol, Kuo-Pin Yu, Chi-Chi Lin, Shang-Chun Yang and Ping Zhao, *Journal of Hazardous Materials* (2011) **191**, 94-102. [ScienceDirect](#) PDF at [nuk.edu.tw](#)
19. Evaluation of a Quantitative Structure–Property Relationship (QSPR) for Predicting Mid-Visible Refractive Index of Secondary Organic Aerosol (SOA), Haley Redmond and Jonathan E. Thompson, *Physical Chemistry Chemical Physics* (2011) **13**, 6872-6882. [Phys Chem Chem Phys](#)
20. Effect of Distributor Type on Interphase Mass Transfer and Gas Axial Dispersion in Bubbling and Turbulent Fluidized-Fed Reactors, J. Saayman, H.G. Brink and W. Nicol, *IFSA 2011, Industrial Fluidization South Africa* (2011) Edited by A. Luckos and P. den Hoed, Johannesburg: Southern African Institute of Mining and Metallurgy, 361-375. [PDF at saimm.co.za](#)
21. A Case Study of Aerosol Processing and Evolution in Summer in New York City, Y. L. Sun, Q. Zhang, J. J. Schwab, W. N. Chen, M. S. Bae, Y. C. Lin, H. M. Hung and K. L. Demerjian, *Atmospheric Chemistry and Physics* (2011) **11**, 12737-12750. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
22. Two Dimensional Fluidised Bed Reactor: Performance of a Novel Multi-Vortex Distributor, Hendrik Gideon Brink, Jean Saayman and Willie Nicol, *Chemical Engineering Journal* (2011) **175**, 484-493. [Science Direct](#) [PDF at up.ac.za](#)
23. ZnO Based Film Bulk Acoustic Resonator for Environment Monitoring, Xiaotun Qiu and Hongyu Yu, *Micro and Nanosystems* (2011) **3**, 104-110. [Ingentaconnect](#)
24. Air Pollutant Concentrations (O3, NO2 and NH3) Registered in Selected Forest Ecosystem (Core Plots) in the Romanian Intensive Monitoring Network (Leel II), Diana Silaghi, Ovidiu Badea Stefan Neagu and Stefan Leca Revista Pădurilor (2011) 126, 85-92. [revistapadurilor.ro](#)
25. The Canopy Horizontal Array Turbulence Study, Edward G. Patton, Thomas W. Horst, Peter P. Sullivan, Donald H. Lenschow, Steven P. Oncley, William O. J. Brown, Sean P. Burns, Alex B. Guenther, Andreas Held, Thomas Karl, Shane D. Mayor, Luciana V. Rizzo, Scott M. Spuler, Jieliun Sun and Andrew A. Turnipseed, *Bulletin of the American Meteorological Society* (2011) **92**, 593-611. [BAMS](#)
26. Investigation of the Optical Properties of Secondary Organic Aerosols Generated from Hydrocarbon Ozonolysis, Haley Redmond, Master's Thesis (2011) [PDF at tdl.org](#)
27. Ozone Uptake Rates and Secondary Product Emissions of Green Building Materials, Seth Paul Lamble, Master's Thesis (2011) Missouri University of Science and Technology. [mospace.umssystem.edu](#)
28. Multi\_Vortex Distributor: Effect on 2D Fluidized Bed Performance, H. G. Brink, Master's Thesis (2011) University of Pretoria, South Africa. [PDF at 2B Tech Archive](#)
29. Characterizing On-Road Vehicular Emissions And Their Impacts On Near-Roadway Air Pollution, Xing Wang, Ph.D. Thesis (2011) Cornell University. [PDF at 2B Tech Archive](#)
30. New Portable Flow Tube Technique to Investigate the Formation and Aging of Secondary Organic Aerosol, Jenny Pui Shan Wong, Master's Thesis (2011) University of Toronto. [utoronto.ca](#) [PDF at utoronto.ca](#)
31. Continued Development of a Fixed-Frequency Albedometer, Kathy Dial, Master's Thesis (2011) Texas Tech University. [PDF at tdl.org](#)
32. The Development of a Laboratory System to Investigate the Interactions of Tropospheric Aerosol and HOx Radicals, Kathleen Helen Faloon, Ph. D. Thesis (2011) University of Birmingham. [eTheses Repository](#) [PDF at bham.ac.uk](#)

33. Method for Growing Plants, Edwin Henricus Antonius Holman, United States Patent Application (2011) US 2001/0162116 A1, June 30, 2011. [PDF](#)
34. The Distribution and Speciation of Mercury in the Free Troposphere of the Pacific Northwest, Philip C. Swartzendruber, Ph.D. Thesis (2009) University of Washington. [Google Books](#) [ProQuest](#)
35. Long-Term Monitoring Sites and Trends at the Marcell Experimental Forest, Stephen D. Sebestyen, Carrie Dorrance, Donna M. Olson, Elon S. Verry, Randall K. Kolka, Art E. Elling and Richard Kyllander, Chapter 2 In *Peatland Biogeochemistry and Watershed Hydrology at Marcell Experimental Forest* (2011) Randall K. Kolka, Stephen D. Sebestyen, Elon S. Verry and Kenneth N. Brooks, Eds., CRC Press, Boca Raton, Florida. [PDF at fs.fed.us](#)
36. Ultrafine Particle Concentrations and Exposures in Six Elementary School Classrooms in Northern California, N. A. Mullen, S. Bhangar, S. V. Hering, N. M. Kreisberg and W. W. Nazaroff, *Indoor Air* (2011) **21**, 77-87. [Wiley Online Library](#)
37. Cadmium Pollution Enhanced Ozone Damage to Winter Wheat: Biochemical and Physiological Evidences, Yong Li, Caihong Li, Yanhai Zheng, Guanglei Wu, Tana Wuyun, Hong Xu, Xinhua He, Gaoming Jiang, *Journal of Environmental Sciences* (2011) **23**, 255-265. [ScienceDirect](#)
38. Physico-Chemical and Morphological Characterization of Engineered Nanoparticles Emitted from Commercial Photocopy Equipment, John Martin, Dhimiter Bello and Philip Demokritou, AAAR 30th Annual Conference (2011) American Association for Aerosol Research, Abstract Number 602. [PDF at 2B Tech Archive](#)
39. Lake Michigan Air Quality: The 1994–2003 LADCO Aircraft Project (LAP), Theresa Foley, Eric A. Betterton, P. E. Robert Jakob and John Hillery, *Atmospheric Environment* (2011) **45**, 3192-3202. [ScienceDirect](#)
40. Physiological and Biochemical Constraints on Photosynthesis of Leguminous Plants Induced by Elevated Ozone in Open-Top Chambers, Cornelius Coenraad Wilhelm Scheepers, M.S. Thesis, North-West University, Potchefstroom, South Africa (2011). [NWU](#)
41. Evaluating The Operation of Three Air Cleaners Working Individually in a Clean Room, S. R. Ardkapan, A. Alireza, N. C. Bergsøe, N. Christian and M.S. Johnson, *12th International Conference on Indoor Air Quality and Climate*, Paper No. 12 (2011) [pdf](#)
42. Control of Indoor Fungal Bioaerosols by Using Ozone, Hsiao-Lin Huang and Jen-Hsuan Tai, In Proceedings of the 7th Asian Aerosol Conference, August 17-20, Xi'an, China (2011) pp 731-742. [pdf](#)
43. Approche Multiscale de la Variabilité Spatiale et Temporelle d'un pic d'Ozone le 30 Juin et le 1er Juillet 2009 dans la Région Parisienne (Multiscale Approach to Spatial and Temporal Variability of Peak Ozone on June 30 and July 1, 2009 in the Paris Region), Sarah Duché, Nicolas Martin and Malika Madelin, *Pollution Atmosphérique* (2011) **211**. [APPA](#)
44. Heterogeneous Ice Nucleation from Laboratory-Generated and Field-Collected Aerosol Particles, Bingbing Wang, Ph.D. Thesis, Stony Brook University (2011), 185 pp. [SUNY Digital Repository](#)
45. Source Apportionment of Ambient Submicron Aerosol Using Stationary and Mobile Aerosol Mass Spectrometer Data, C. Mohr, Ph.D. Thesis, ETH Zurich (2011), 161 pp. [ETH Link](#)
46. Characterization of the Sources and Processes of Organic and Inorganic Aerosols in New York City with a High-Resolution Time-of-Flight Aerosol Mass Spectrometer, Y.-L. Sun, Q. Zhang, J. J. Schwab, K. L. Demerjian, W.-N. Chen, M.-S. Bae, H.-M. Hung, O. Hogrefe, B. Frank, O. V. Rattigan and Y.-C. Lin, *Atmospheric Chemistry and Physics* (2011) **11**, 1158-1602. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
47. Ozone Concentration Forecast Method Based on Genetic Algorithm Optimized Back Propagation Neural Networks and Support Vector Machine Data Classification, Y. Feng, W. Zhang, D. Sun and L. Zhang, *Atmospheric Environment* (2011) **45** (11), 1979-1985. [ScienceDirect](#)
48. The Role of Material Porosity on Ozone Uptake of Metakaolin-Concrete Surfaces, S.C. Taylor Lange, C. Cros, M.C.G. Juenger, J.A. Siegel and D. Poppendieck (2011), *The Indoor Air 2011: Proceedings of the 12th International Conference on Indoor Air and Climate*, paper ID 933. [ISIAQ Link](#)
49. Impacts of Passive Removal Materials on Indoor Air Quality, E. Darling, C. Cros, P. Wargocki, J. Kolarik, A. Targowski, G.C. Morrison and R.L. Corsi, *12 International Conference on Indoor Air Quality and Climate* (2011), 5-10 June 2011, Austin, Texas, 6 pp. [DTU Orbit Link](#)
50. A Network of Autonomous Surface Ozone Monitors in Antarctica: Technical Description and First Results, S.J.-B. Bauguitte, N. Brough, M.M. Frey, A.E. Jones, D.J. Maxfield, H K. Roscoe, M.C. Rose and E.W. Wolff, *Atmospheric Measurement Technique* (2011) **4**, 645-658. [AMT Link](#)

51. Correction to "Relationship between Aerosol Oxidation Level and Hygroscopic Properties of Laboratory Generated Secondary Organic Aerosol (SOA) Particles," P. Massoli, A.T. Lambe, A.T. Ahern, L.R. Williams, M. Ehn, J. Mikkilä, M.R. Canagaratna, W.H. Brune, T.B. Onasch, J.T. Jayne, T. Petäjä, M. Kulmala, A. Laaksonen, C.E. Kolb, P. Davidovits and D.R. Worsnop *Geophysical Research Letters* (2011) **38**, L03805, doi:10.1029/2011GL046687. [Semantic Scholar](#)
52. Lidar Measurements of Forest Fire Smoke and Stratospheric Aerosol, M. Aggarwal, Masters Thesis (2011), York University, 98 pp. [University link](#)
53. Ozone Measurement in EXAFS Beam Line BL-08 of INDUS-2, V.C. Petwal, A. Kumar, V.D. Sharma and J. Dwivedi, Proceedings of the DAE-BRNS Indian Particle Accelerator Conference (2011), Inter University Accelerator Centre, in InPAC-2011: 5. DAE-BRNS Indian Particle Accelerator Conference, New Delhi (India), 15-18 February 2011. [IUAC Link](#)
54. Air Toxics Exposure from Vehicle Emissions at a U.S. Border Crossing: Buffalo Peace Bridge Study, J. Spengler, J. Lwebuga-Mukasa, J. Vallarino, S. Melly, S. Chillrud, J. Baker and T. Minegishi, *Research in Respiratory Health Effects Institute* (2011) **158**, 5-132. [PubmedCentral](#)
55. Impacts of a Clay Plaster on Actual and Perceived Indoor Air Quality, E.K. Darling, Master's Thesis, University of Texas at Austin (2011), 66 pp. [UTLink](#)

## 2010

1. Seasonal Ozone Behavior Along an Elevation Gradient in the Colorado Front Range Mountains, M. Brodin, D. Helmig and S. Oltmans, *Atmospheric Environment* (2010) **44**, 5305-5315. [ScienceDirect](#)
2. Low-Concentration Ozone Reacts with Plasmalogen Glycerophosphoethanolamine Lipids in Lung Surfactant, Kelly M. Wynalda and Robert C. Murphy, *Chemical Research in Toxicology* **23** (2010) 108-117. [Chemical Research in Toxicology](#)
3. Passive Reduction of Human Exposure to Indoor Ozone, D. A. Kunkel, E. T. Gall, J. A. Siegel, A. Novoselac, G. C. Morrison and R. L. Corsi, *Building and Environment* (2010) **45**, 445-452. [ScienceDirect](#)
4. Miniature Personal Ozone Monitor Based on UV Absorbance, P. C. Andersen, C. J. Williford, J. W. Birks, *Analytical Chemistry* (2010) **82**, 7924-7928. [Analytical Chemistry](#) [NIH.gov](#)
5. Chemical Sinks of Organic Aerosol: Kinetics and Products of the Heterogeneous Oxidation of Erythritol and Levoglucosan, S. H. Kessler, J. D. Smith, D. L. Che, D. R. Worsnop, K. R. Wilson and J. H. Kroll, *Environmental Science and Technology* (2010) **44**, 7005-7010. [ES&T](#) [PDF from mit.edu](#)
6. Ozone Depletion in Tropospheric Volcanic Plumes, A. Vance, A. J. S. McGonigle, A. Aiuppa, J. L. Stith, K. Turnbull and R. von Glasow, *Geophysical Research Letters* (2010) **37**, L22802, 5 pp. [Wiley Online Library](#) [PDF from ucar.edu](#)
7. Photolysis of Methyl-Parathion Thin Films: Products, Kinetics and Quantum Yields under Different Atmospheric Conditions, M. Segal-Rosenheimer and Y. Dubowski, *Journal of Photochemistry and Photobiology A: Chemistry* (2010) **209**, 193-202. [ScienceDirect](#)
8. Homogeneous and Heterogeneous Reactions of Phenanthrene with Ozone, Y. Zhang, B. Yang, J. Meng, S. Gao, X. Dong and J. Shu, *Atmospheric Environment* (2010) **44**, 697-702. [ScienceDirect](#)
9. Inhibition of Myristoylated Alanine-Rich C Kinase Substrate (MARCKS) Protein Inhibits Ozone-Induced Airway Neutrophilia and Inflammation, G. Damera, W. F. Jester, M. Jiang, H. Zhao, H. W. Fogle, M. Mittelman, A. Haczku, E. Murphy, I. Parikh and R. A. Panettieri, Jr., *Experimental Lung Research* (2010) **36**, 75-84. [Informa](#)
10. Surface Ozone at Mongol Els (Mongolia): Mixing Ratios and Surface Exchange, Thomas Behrendt, Jörg Grunert, Meinrat O. Andreae, Franz X. Meixner (2010) *Geophysical Research Abstracts* **12**, EGU General Assembly 2010, held 2-7 May, 2010 in Vienna, Austria, p.12180, EGU2010-12180. [PDF from EGU](#)
11. Ozone Monitoring for the Masses, Erika Gebel, *Analytical Chemistry* (2010) **82**, 7864. [PDF at pubs.acs.org](#)
12. Development of an Autonomous Sea Ice Tethered Buoy for the Study of Ocean-Atmosphere-Aea Ice-Snow Pack Interactions: the O-buoy, T. N. Knepp, J. Bottenheim, M. Carlsen, D. Carlson, D. Donohoue, G. Friederich, P. A. Matrai, S. Netcheva, D. K. Perovich, R. Santini, P. B. Shepson, W. Simpson, T. Valentic, C. Williams and P. J. Wyss, *Atmospheric Measurement Techniques* (2010) **3**,

- 249-261. [Atmos Meas Tech](#)
13. Influence of Transport by the Nocturnal Jet on Ozone Levels in Central Texas, Sam Oltmans, Arlyn Andrews and Laura Patrick, 2009 Year-End Report (2010), NOAA, March 12, 2010. [PDF at texas.gov](#)
  14. Analysis of the Effects of Combustion Emissions and Santa Ana Winds on Ambient Ozone During the October 2007 Southern California Wildfires, Andrzej Bytnerowicz, Dan Cayan, Philip Riggan, Susan Schilling, Philip Dawson, Mary Tyree, Lynn Wolden, Robert Tissell and Haiganoush Preisler, *Atmospheric Environment* (2010) **44**, 678-687. [ScienceDirect](#) [PDF at ucsd.edu](#)
  15. Heterogeneous Ozonation of Suspended Malathion and Chlorpyrifos Particles, Junwang Meng, Bo Yang, Yang Zhang, Xinyu Dong, Jinian Shu, *Chemosphere* (2010) **79**, 394-400. [ScienceDirect](#)
  16. Photosynthetic Characteristics of Diploid Honeysuckle (*Lonicera japonica* Thunb.) and its Autotetraploid Cultivar Subjected to Elevated Ozone Exposure, L. Zhang, H. Xu, J. -C. Yang, W. -D. Li, G. -M. Jiang and Y. -G. Li, *Photosynthetica* (2010) **48**, 87-95. [SpringerLink](#)
  17. Inactivation of Airborne Microorganisms Using Novel Ultraviolet Radiation Sources in Reflective Flow-Through Control Devices, Kevin Ryan, Kevin McCabe, Nick Clements, Mark Hernandez and Shelly L. Miller, *Aerosol Science and Technology* (2010) **44**, 541-550. [PDF at tandfonline.com](#)
  18. A Re-Examination of Ambient Air Ozone Monitor Interferences, Chester W. Spicer, Darrell W. Joseph and Will M. Ollison, *Journal of the Air and Waste Management Association* (2010) **60**, 1353-1364. [PDF at tandfonline.com](#)
  19. UV-Ozone Reactor with Modified High Pressure Mercury Vapor Lamp for Surface Treatment of Transparent Conductive Oxides Used in Electroluminescent Polymeric Devices, Emerson Roberto Santos, Fábio Conte Correia, Shu Hui Wang, Pilar Hidalgo, Fernando Josepetti Fonseca, Elvo Calixto Burini Júnior and Adnei Melges de Andrade, *Quimica Nova* (2010) **33**, 1779-1783. [Quimica Nova](#) [PDF at scielo.br](#)
  20. Heterogeneous Reactivity of Suspended Pirimiphos-Methyl Particles with Ozone, Bo Yang , Yang Zhang , Junwang Meng , Jie Gan and Jinian Shu, *Environmental Science and Technology* (2010) **44**, 3311-3316. [ES&T](#)
  21. Approche Multi-Scalaire de la Variabilité Spatiale et Temporelle d'un Pic d'Ozone le 30 Juin et le 1er Juillet 2009 dans la Région Parisienne (Multi-Scalar Approach to Spatial and Temporal Variability of Peak Ozone on June 30 and July 1, 2009 in the Paris Region), S. Duché, N. Martin and M. Madelin, *Journées Interdisciplinaires de la Qualité de l'Air* (2010) **Feb issue**, 10 pp., hal-00463762. [HAL Archives](#) [PDF at HAL Archives](#) [PDF at inist.fr](#)
  22. Iodine-Mediated Coastal Particle Formation: An Overview of the Reactive Halogens in the Marine Boundary Layer (RHAMBLE) Roscoff Coastal Study, G. McFiggans, C. S. E. Bale, S. M. Ball, J. M. Beames, W. J. Bloss, L. J. Carpenter, J. Dorsey, R. Dunk, M. J. Flynn, K. L. Furneaux, M. W. Gallagher, D. E. Heard, A. M. Hollingsworth, K. Hornsby, T. Ingham, C. E. Jones, R. L. Jones, L. J. Kramer, J. M. Langridge, C. Leblanc, J.-P. LeCrane, J. D. Lee, R. J. Leigh, I. Longley, A. S. Mahajan, P. S. Monks, H. Oetjen, A. J. Orr-Ewing, J. M. C. Plane, P. Potin, A. J. L. Shillings, F. Thomas, R. von Glasow, R. Wada, L. K. Whalley and J. D. Whitehead, *Atmospheric Chemistry and Physics* (2010) **10**, 29750-2999. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
  23. Monitoring of Emissions from Barnett Shale Natural Gas Production Facilities for Population Exposure Assessment, Barbara Zielinska, Eric Fujita and Dave Campbell, Desert Research Institute (2010) Final Report Prepared for Mikey Leland National Urban Air Toxics Research Center, November 11, 2010. [PDF at psu.edu](#)
  24. Simultaneous Measurement of Optical Scattering and Extinction on Dispersed Aerosol Samples, Kathy D. Dial, Scott Hiemstra and Jonathan E. Thompson, *Analytical Chemistry* (2010) **82**, 7885-7896. [acs.org](#)
  25. Unraveling the Complex Local-Scale Flows Influencing Ozone Patterns in the Southern Great Lakes of North America, I. Levy, P. A. Makar, D. Sills, J. Zhang, K. L. Hayden, C. Mihele, J. Narayan, M. D. Moran, S. Sjostedt and J. Brook, *Atmospheric Chemistry and Physics* (2010) [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
  26. Passive Removal of Indoor Ozone by Green Building Materials, Clement Cros, Ph.D. Thesis, University of Texas, Austin (2010). [University of Texas](#)
  27. Aircraft Cabin Environmental Quality Sensors, L.A. gundel, T.W. Kirchstetter, M. Spears and D.P. Sullivan, Environmental Energy Technologies Division, Lawrence Berkeley National Laboratory, Final Report to Federal Aviation Administration, LBNL Paper LBNL-3382E (May 2010). [eScholarship](#)

28. The Test and Audit of Relative Accuracy Detected by Indoor Air Quality CO, CO<sub>2</sub> and O<sub>3</sub> Monitoring Devices and Direct Reading Instruments, Chih-Ching Huang, Master's Thesis, National Taipei University of Technology (2010). [Airiti Library](#)
29. Night-Time Chemistry Above London: Measurements of NO<sub>3</sub> and N<sub>2</sub>O<sub>5</sub> from the BT Tower, A. K. Benton, J. M. Langridge, S. M. Ball, W. J. Bloss, M. Dall'Osto, E. Nemitz, R. M. Harrison and R. L. Jones, *Atmospheric Chemistry and Physics* (2010) **10**, 9781-9795. [PDF at Atmos Chem Phys](#)
30. Wheezing in Children and Adolescents Living Next to a Petrochemical Plant in Rio Grande do Norte, Brazil, A.C.L. de Moraes, E. Ignotti, P.E. Artaxo Netto, L.S.V. Jacobson, H. Castro and S.S. Hacon, *Jornal de Pediatria* (2010) **86** (4), 337-344, doi:10.2223/JPED.2020. [Univ.SãoPaulo link](#)
31. Health and Environment Conditions around a Petrochemical Complex in Rio Grande do Norte: An Integrated Analysis, A.C.L. de Moraes, Ph.D. Thesis (2010), Escola Nacional de Saúde Pública (National School of Public Health), Rio de Janeiro, Brazil, 179 pp. [Link to pdf](#)
32. Daily Growth of European Beech (*Fagus sylvatica* L.) on Moist Sites is Affected by Short-Term Drought Rather than Ozone Uptake, A.R. Kühn, S. Grill, M. Baumgarten, D.P. Ankerst and R. Matyssek, *Trees* (2010) **29** (5), 1501-1519. [SpringerLink](#)
33. A Multi-Scale Approach to Elucidating the Role of Ice Surfaces and Synoptic Meteorology in Spring-Time Arctic Tropospheric Ozone Depletion Events, T.N. Knepp, Ph.D. Thesis, Purdue University (2010), 365 pp. [ProQuest](#)
34. Low Concentration Ozonolysis of Plasmalogen Glycerophospholipids, K.M. Wynalda, Ph.D. Thesis, University of Colorado (2010), 194 pp. [ProQuest](#)
35. Spectroscopic Studies of Molecular Iodine Emitted into the Gas Phase by Seaweed, S. M. Ball, A. M. Hollingsworth, J. Humbles, C. Leblanc, P. Potin and G. McFiggans, *Atmospheric Chemistry and Physics* (2010) **10**, 6237-6254. [Atmos Chem Phys](#) [PDF at atmos-chem-physics.net](#)
36. Human Exposure to Dynamic Air Pollutants: Ozone in Airplanes and Ultrafine Particles in Homes, Seema Vijay Bhangar, Ph.D. Thesis (2010), University of California, Berkeley. [escholarship.org](#)
37. The Role of Sulphates and Organic Vapours in Growth of Newly Formed Particles in a Eucalypt Forest, Z.D. Ristovski, T. Suni, M. Kulmala, M. Boy, N.K. Meyer, J. Duplissy, A. Turnipseed, L. Morawska and U. Baltensperger, *Atmospheric Chemistry and Physics* (2010) **10**, 2919-2916. [ACP](#)
38. Structural and Hygroscopic Changes of Soot During Heterogeneous Reaction with O<sub>3</sub>, Y. Liu, C. Liu, J. Ma, Q. Ma and H. He, *Physical Chemistry Chemical Physics* (2010) **12**, 10896-10903. [RSC link](#)
39. Degradation Kinetics of Anthracene by Ozone on Mineral Oxides, J. Ma, Y. Liu and H. He, *Atmospheric Environment* (2010) **44** (35), 4446-4453. [ScienceDirect](#)
40. Efficacy of Gaseous Ozone Against Generic *E. coli* in Ground Beef, J. Leusink and G. Kraft, consulting study (2010), 10 pp. [SemanticScholar](#)
41. Ultrafine Particle Concentration in Schoolrooms and Homes, W.W. Nazaroff, S. Bhangar, N.A. Mullen, S.V. Sering and N.M. Kreisberg, Final Report: Contract No. 05-305, California Air Resources Board and the California Environmental Protection Agency (2010), 143 pp. [CaARB Link](#)
42. Measurements of Surface Ozone at Mongol Els (47°36' N; 95°91' E, P.R. Mongolia), T. Behrendt, J. Grunert, M.O. Andreae and F.X. Meixner (2010) poster, EGU General Assembly 2010, held 2-7 May 2010, Vienna, Austria, EGU2010-12180. [PDF at 2B Tech Archive](#)
43. Development of an Autonomous Sea Ice Tethered Buoy for the Study of Ocean-Atmosphere-Sea Ice-Snow Pack Interactions: the O-buoy, T. N. Knepp, J. Bottenheim, M. Carlsen, D. Carlson, D. Donohoue, G. Friederich, P. M. Matrai, S. Netcheva, D. K. Perovich, R. Santini, P. B. Shepson, W. Simpson, R. Stehle, T. Valentic, C. Williams and P. J. Wyss, *Atmospheric Measurement Techniques* (2010) **3**, 249-261. [ACP Link](#)
44. Reactive Halogens in the Marine Boundary Layer (RHAMBLe): the Tropical North Atlantic Experiments, J.D. Lee, G. McFiggans, J.D. Allan, A.R. Baker, S.M. Ball, A.K. Benton, L.J. Carpenter, R. Commane, B.D. Finley, M. Evans, E. Fuentes, K. Furneaux, A. Goddard, N. Good, J.F. Hamilton, D.E. Heard, H. Herrmann, A. Hollingsworth, J.R. Hopkins, T. Ingham, M. Irwin, C.E. Jones, R.L. Jones, W.C. Keene, M.J. Lawler, S. Lehmann, A.C. Lewis, M.S. Long, A. Mahajan, J. Methven, S.J. Moller, K. Müller, T. Müller, N. Niedermeier, S. O'Doherty, H. Oetjen, J.M.C. Plane, A.A.P. Pszenny, K.A. Read, A. Saiz-Lopez, E.S. Saltzman, R. Sander, R. von Glasow, L. Whalley, A. Wiedensohler and D. Young, *Atmospheric Chemistry and Physics* (2010) **10**, 1031-1055. [ACP Link](#)
45. West Oakland Monitoring Study, Draft Report, E.M. Fujita and D.E. Campbell, Desert Research Institute (2010), prepared for Bay Area Air Quality Management District, San Francisco, California, 115 pp. [BAAQMD Link](#)

## 2009

1. Real-Time Ozone Detection Based on a Microfabricated Quartz Crystal Tuning Fork Sensor, R. Wang, F. Tsow, X. Zhang, J-H. Peng, E. S. Forzani, Y. Chen, J. C. Crittenden, H. Destailats and N. Tao, *Sensors* (2009) **9**, 5655-5663. [PDF from mdpi.com](#)
2. Tethered Balloon-Based Soundings of Ozone, Aerosols, and Solar Radiation near Mexico City during MIRAGE-MEX, J. P. Greenberg, A. B. Guenther and A. Turnipseed, *Atmospheric Environment* (2009) **43**, 2672-2677. [Science Direct](#)
3. Measurement of Fragmentation and Functionalization Pathways in the Heterogeneous Oxidation of Oxidized Organic Aerosol, J. H. Kroll, J. D. Smith, D. L. Che, S. H. Kessler, D. R. Worsnop and K. R. Wilson, *Physical Chemistry Chemical Physics* (2009) **11**, 8005-8014. [Phys Chem Chem Phys](#) [PDF from mit.edu](#)
4. Rapid Formation of Isoprene Photo-Oxidation Products Observed in Amazonia, T. Karl, A. Guenther, A. Turnipseed, G. Tyndall, P. Artaxo and S. Martin, *Atmospheric Chemistry and Physics* (2009) **9**, 7753-7767. [Atmos Chem Phys](#) [PDF from atmos-chem-phys.net](#)
5. The Influence of Traffic on Air Quality in an Urban Neighborhood: A Community–University Partnership, J. J. Buonocore, H. J. Lee and J. I. Levy, *American Journal of Public Health* (2009) **99**, S629-S635. [Amer J Pub Health](#) [PDF at nih.gov](#)
6. Temperature and Humidity Dependence of Secondary Organic Aerosol Yield from the Ozonolysis of  $\beta$ -Pinene, C. von Hessberg, P. von Hessberg, U. Pöschl, M. Bilde, O. J. Nielsen and G. K. Moortgat, *Atmospheric Chemistry and Physics* (2009) **9**, 3583-3599. [Atmos Chem & Phys](#) [PDF from atmos-chem-phys.net](#)
7. The Heterogeneous Reaction of Hydroxyl Radicals with Sub-Micron Squalane Particles: A Model System for Understanding the Oxidative Aging of Ambient Aerosols, J. D. Smith, J. H. Kroll, C. D. Cappa, D. L. Che, C. L. Liu, M. Ahmed, S. R. Leone, D. R. Worsnop and K. R. Wilson, *Atmospheric Chemistry and Physics* (2009) **9**, 3209-3222. [Atmos Chem & Phys](#) [PDF from atmos-chem-phys.net](#)
8. In-situ Ambient Quantification of Monoterpenes, Sesquiterpenes, and Related Oxygenated Compounds During BEARPEX 2007: Implications for Gas- and Particle-Phase Chemistry, N. C. Bouvier-Brown, A. H. Goldstein, J. B. Gilman, W. C. Kuster and J. A. de Gouw, *Atmospheric Chemistry and Physics* (2009) **9**, 5505-5518. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
9. Boundary Layer Ozone Dynamics During the Spring 2009 OASIS Experiment in Barrow, AK, P. J. Boylan, D. Helmig, J. Booth, F. M. Flocke, B. J. Johnson, D. J. Knapp, D. D. Montzka, S. J. Oltmans, A. J. Weinheimer and W. Zheng, AGU Fall Meeting Abstracts, Vol. 1, 2009. [PDF of Poster](#)
10. Ozonation of Trifluralin Particles: An Experimental Investigation with a Vacuum Ultraviolet Photoionization Aerosol Time-of-Flight Mass Spectrometer, Junwang Meng, Bo Yang, Yang Zhang, Xi Shu and Jinian Shu, *Journal of Hazardous Materials* (2009) **172**, 390-394. [Science Direct](#)
11. Electrochemical Ozone Sensor and Instrument with Characterization of the Electrode and Gas Flow Effects, D. Ebeling, V. Patel, M. Findlay, J. Stetter, *Sensors and Actuators B: Chemical* (2009) **137**, 129-133. [ScienceDirect](#)
12. Online Investigations on Ozonation Products of Pyrene and Benz[a]anthracene Particles with a Vacuum Ultraviolet Photoionization Aerosol Time-of-Flight Mass Spectrometer, Shaokai Gao, Yang Zhang, Junwang Meng and Jinian Shu, *Atmospheric Environment* (2009) **43**, 3319-3325. [ScienceDirect](#)
13. Photosynthetic and Yield Responses of an Old and a Modern Winter Wheat Cultivars to Short-Term Ozone Exposure, H. Xu, S. -B. Chen, D. K. Biswas, Y. -G. Li, G. -M. Jiang, *Photosynthetica* (2009) **47**, 247-254. [SpringerLink](#)
14. Sensory Pollution from Bag-Type Fiberglass Ventilation Filters: Conventional Filter Compared with Filters Containing Various Amounts of Activated Carbon, Gabriel Bekö, Moshood Olawale Fadeyi, Geo Clausen, Charles J. Weschler, *Building and Environment* (2009) **44**, 2114-2120. [Science Direct](#)
15. Atmospheric Deterioration of Qin Brick in an Environmental Chamber at Emperor Qin's Terracotta Museum, China, T. F. Hu, S. C. Lee, J. J. Cao, W. K. Ho, K. F. Ho, J. C. Chow, J. G. Watson, B. Rong and Z. S. An, *Journal of Archaeological Science* (2009) **36**, 2578-2583. [ScienceDirect](#)
16. Chemistry and Transport of Pollution over the Gulf of Mexico and the Pacific: Spring 2006 INTEX-B Campaign Overview and First Results, H. B. Singh, W. H. Brune, J. H. Crawford, F. Flocke and D. J. Jacob, *Atmospheric Chemistry and Physics* (2009) **9**, 2301-

2318. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
17. Chapter 25, Managing Air Pollution Impacted Forests of California, Michael J. Arbaugh, *Developments in Environmental Science* (2009) **8**, 567-582. [Science Direct](#) [PDF at fs.fed.us](#)
  18. Ozone Removal by Green Building Materials, Chi P. Hoang, Kerry A. Kinney and Richard L. Corsi, *Building and Environment* (2009) **8**, 1627-1633. [ScienceDirect](#)
  19. The Impact of Recirculation, Ventilation and Filters on Secondary Organic Aerosols Generated by Indoor Chemistry, M. O. Fadeyi, C. J. Weschler and K. W. Thama, *Atmospheric Environment* (2009) **43**, 3538-3547. [ScienceDirect](#)
  20. Observations of High Rates of NO<sub>2</sub>-HONO Conversion in the Nocturnal Atmospheric Boundary Layer in Kathmandu, Nepal, Y. Yu, B. Galle, A. Panday, E. Hodson, R. Prinn and S. Wang, *Atmospheric Chemistry and Physics* (2009) **9**, 6401-6415. [Atmos Chem Phys](#) [PDF at atmos-chem-phys.net](#)
  21. Removal of Indoor Ozone with Reactive Materials: Preliminary Results and Implications, Clement Cros, Elliott Gall, Jeffrey Siegel, Glen Morrison and Richard L. Corsi, *Proceedings of Healthy Buildings* (2009) Paper 141. [PDF at 2B Tech Archive](#)
  22. New Copolymers Containing Charge Carriers for Organic Devices with ITO Films Treated by UV-Ozone Using High Intensity Discharge Lamp, Emerson Roberto Santos, Fabio Conte Correia, Elvo Calixto Burini Jr., Shu Hui Wang, Marcia Akemia Yamasoe, Pilar Hidalgo, Fernando Josepetti Fonseca and Adnei Melges de Andrade, *Sensors and Transducers Journal* (2009) **101**, 12-21. [PDF at usp.br](#)
  23. A 2007 Aircraft-based Study of Plumes from Biomass Burning Origin from Mexico and Central America Advected over South Texas and the Western Gulf of Mexico, Sergio L. Alvarez, Master's Thesis (2009) Baylor University. [PDF at 2B Tech Archive](#)
  24. Bubbling to Turbulent Regime Transition in a 2D Catalytic Fluidized Bed Reactor, Jean Saayman, Master's Thesis, University of Pretoria, South Africa. [PDF at 2B Tech Archive](#)
  25. Chemistry and Microbiology of Green Building Materials, Chi Phuong Hoang, Ph.D. Thesis (2009) University of Texas, Austin. [PDF at utexas.edu](#)
  26. Indoor Secondary Organic Aerosol Formation: Influence of Particle Controls, Mixtures, and Surfaces, Michael Shannon Waring, Ph.D. Thesis (2009) University of Texas, Austin. [UT Digital Repository](#) [PDF](#)
  27. A Case Study of Ozone Production, Nitrogen Oxides, and the Radical Budget in Mexico City, E. C. Wood, S. C. Herndon, T. B. Onasch, J. H. Kroll, M. R. Canagaratna, C. E. Kolb, D. R. Worsnop, J. A. Neuman, R. Seila, M. Zavala and W. B. Knighton, *Atmospheric Chemistry and Physics* (2009) **9**, 2499-2517. [Atmos Chem Phys](#) [PDF at atmos-chem-phys](#)
  28. Effects of Filters, Ventilation, and Recirculation Rates on Ozone Initiated Chemistry Products in Air-Conditioned Buildings in the Tropics, Fadeyi Moshood Olawale, Ph.D. Thesis, National University of Singapore, 2009. [Academia.edu](#)
  29. Interactive Comment on "In-Situ Ambient Quantification of Monoterpenes, Sesquiterpenes and Related Oxygenated Compounds During BEARPEX 2007 - Implications for Gas- and Particle-Phase Chemistry" by Bouvier-Brown, N.C. Bouvier-Brown, *Atmospheric Chemistry and Physics. Discussions* (2009) **9**, C2602-C2609. [pdf](#)
  30. Superficial Treatments Studies on Substrates of Transparent Conductive Oxides for Construction of Electroluminescent Polymeric Devices, Emerson Roberto Santos, Ph.D. Thesis, Escola Politécnica, São Paulo (2009). [USP Digital Library](#)
  31. The Surface Activity and Rheological Changes Induced in Lung Surfactant Resulting from Ozone Exposure, J.W. Conway, Masters Thesis, Concordia University (2009), 120 pp. [Concordia Link](#)
  32. Diurnal Cycle of Air Pollution in the Kathmandu Valley, Nepal: Observations, A.K. Panday and R.G. Prinn, *Journal of Geophysical Research* (2009) **114**, doi:10.1029/2008JD009777. [AGU Pubs](#)
  33. Evaluation of Human Exposure to Indoor Air Pollutants: Transport and Fate of Particulate and Gaseous Pollutants, D. Rim, Ph.D. Thesis, University of Texas at Austin (2009), 210 pp. [UnivTexas Link](#)
  34. Managing Air Pollution Impacted Forests of California, M.J. Arbaugh, T. Procter and A. Esperanza, Chapter 25 in *Developments in Environmental Science, Volume 8*, (2009), edited by A. Bytnerowicz, M. Arbaugh, A. Riebau and C. Andersen, Elsevier B.B., ISSN: 1474-8177/DOI:10.1016/S1474-8177(08)00025-9. 573-588. [Elsevier Link](#)

35. The Influence of Chemical Interactions at the Human Surface on Breathing Zone Levels of Reactants and Products, D. Rim, A. Novoselec, and G. Morrison, *Indoor Air* (2009) **19** (4), 324-334. [WileyOnline](#)
36. Primary and Secondary Emissions from Green Building Materials: Large Chamber Experiments, E.T. Gall, Master's Thesis, University of Texas at Austin (2009), 87 pp. [UTLink](#)

## 2008

1. Aerosol and Trace-Gas Measurements in the Darwin Area During the Wet Season, G. Allen, G. Vaughan, K. N. Bower, P. I. Williams, J. Crosier, M. Flynn, P. Connolly, J. F. Hamilton, J. D. Lee, J. E. Saxton, N. M. Watson, M. Gallagher, H. Coe, J. Allan, T. W. Choulaton and A. C. Lewis, *Journal of Geophysical Research: Atmospheres* **113** (2008), D06306, 19 pp. [JGR](#) [PDF from manchester.ac.uk](#)
2. Ozone Distribution and Phytotoxic Potential in Mixed Conifer Forests of the San Bernardino Mountains, Southern California, A. Bytnerowicz, M. Arbaugh, S. Schilling, W. Frączek and D. Alexander, *Environmental Pollution* **155** (2008) 398-408. [Science Direct](#)
3. Ozone Levels in Passenger Cabins of Commercial Aircraft on North American and Transoceanic Routes, S. Bhangar, S. C. Cowlin, B. C. Singer, R. G. Sextro and W. W. Nazaroff (2008) [ES&T](#)
4. Ozone Inhalation Induces Exacerbation of Eosinophilic Airway Inflammation and Hyperresponsiveness in Allergen-Sensitized Mice, S. Kierstein, K. Krytska, S. Sharma, Y. Amrani, M. Salmon, R. A. Panettieri Jr, J. Zangrilli and A. Haczku, *Allergy* (2008) **63**, 438-446. [Wiley Online Library](#)
5. Correlation of Secondary Organic Aerosol with Odd Oxygen in Mexico City, S. C. Herndon, T. B. Onasch, E. C. Wood, J. H. Kroll, M. R. Canagaratna, J. T. Jayne, M. A. Zavala, W. B. Knighton, C. Mazzoleni, M. K. Dubey, I. M. Ulbrich, J. L. Jimenez, R. Seila, J. A. de Gouw, B. de Foy, J. Fast, L. T. Molina, C. E. Kolb and D. R. Worsnop, *Geophysical Research Letters* (2008) **35**, L15804, 6 pp. [Wiley Online Library](#) [PDF from 128.138.136.5](#)
6. Indoor Air Quality and Its Determinants in Tropical Child Care Centers, M. S. Zuraimi and K. W. Tham, *Atmospheric Environment* (2008) **42**, 2225-2239. [ScienceDirect](#)
7. Chemical Sensing of Plant Stress at the Ecosystem Scale, T. Karl, A. Guenther, A. Turnipseed, E. G. Patton and K. Jardine, *Biogeosciences* (2008) **5**, 1287-1294. [Biogeosciences](#) [PDF at biogeosciences.net](#)
8. Observations of an Atmospheric Chemical Equator and its Implications for the Tropical Warm Pool Region, J. F. Hamilton, G. Allen, N. M. Watson, J. D. Lee, J. E. Saxton, A. C. Lewis, G. Vaughan, K. N. Bower, M. J. Flynn, J. Crosier, G. D. Carver, N. R. P. Harris, R. J. Parker, J. J. Remedios and N. A. D. Richards, *Journal of Geophysical Research: Atmospheres* (2008) **113**, D20313. [Wiley Online Library](#)
9. On Road Study of Colorado Front Range Greenhouse Gases Distribution and Sources, G. Petron, A. Hirsch, M. K. Trainer, A. Karion, J. Kofler, C. Sweeney, A. Andrews, W. Kolodzey, B. R. Miller, S. A. Montzka, D. R. Kitzis, L. Patrick, G. J. Frost, T. B. Ryerson, J. M. Roberts and P. Tans (2008) American Geophysical Union, Fall Meeting 2008, Abstract #B43D-0467. [2B Tech Archive](#)
10. A New Surface Ozone Monitoring Network Deployed in Antarctica During the IPY, S. J-B. Bauguitte, D. J. Maxfield, A. E. Jones, H. K. Roscoe, E. W. Wolff, A. Rankin and J. Birks, *Geophysical Research Letters* (2008) **10**, EGU2008-A-05670. [2B Tech Archive](#)
11. Ultrafine Particle Removal and Generation by Portable Air Cleaners, Michael S. Waring, Jeffrey A. Siegel and Richard L. Corsi, *Atmospheric Environment* (2008) **42**, 5003-5014. [ScienceDirect](#)
12. Passive Ozone Control Through Use of Reactive Indoor Wall and Ceiling Materials, Donna A. Kunkel, Richard L. Corsi, Atila Novoselac, Jeffrey A. Siegel and Glenn C. Morrison, Air and Waste Management Association Conference (2008) Paper #715. [2B Tech Archive](#)
13. Vertical Distribution of Mercury, CO, Ozone, and Aerosol Scattering Coefficient in the Pacific Northwest During the Spring 2006 INTEX-B Campaign, P. C. Swartzendruber, D. Chand, D. A. Jaffe, J. Smith, D. Reidmiller, L. Gratz, J. Keeler, S. Strode, L. Jaeglé and R. Talbot, *Journal of Geophysical Research: Atmospheres* (2008) **113**, D10, 27. [Wiley Online Library](#) PDF at [washington.edu](#)

14. Ozone Removal on HVAC Filters: Underlying Mechanisms, Model Development, and Parameter Estimation, Gabriel Shelton, Ping Zhao, Richard L. Corsi and Jeffrey Siegel, *Indoor Air* (2008) Copenhagen, Denmark - Paper ID: 271. [2B Tech Archive](#)
15. Indoor Air Quality Implications of Using Ion Generators in Residences, Michael S. Waring and Jeffrey A. Siegel, *Indoor Air* (2008) Copenhagen, Denmark - Paper ID: 598. [2B Tech Archive](#)
16. SCOUT-O3/ACTIVE High-altitude Aircraft Measurements around Deep Tropical Convection, G. Vaughan, C. Schiller, A. R. MacKenzie, K. Bower, T. Peter, H. Schlager, N. R. P. Harris and P. T. May, *Bulletin of the American Meteorological Society* (2008) **89**, 647-662. [AMS PDF at ametsoc.org](#)
17. Atmospheric Mercury Near Salmon Falls Creek Reservoir in Southern Idaho, Michael L. Abbott, Che-Jen Lin, Peter Martian and Jeffrey J. Einerson, *Applied Geochemistry* (2008) **23**, 438-453. [Science Direct PDF at inl.gov](#)
18. Ozone and its Precursors in the Treasure Valley, Idaho, Ilias G. Kavouras, David W. DuBois, Vicken Etyemezian and George Nikolich, Final Report (2008) Department of Environmental Quality, State of Idaho, May 2008. [PDF at 2B Tech Archive](#)
19. Evidence of Enhanced Atmospheric Ammoniacal Nitrogen in Hells Canyon National Recreation Area: Implications for Natural and Cultural Resources, Linda H. Geiser, Anne R. Ingersoll, Andrzej Bytnerowicz and Scott A. Copeland, *Journal of the Air and Waste Management Association* (2008) **58**, 1223-1234. [tandfonline.com](#)
20. Novel Measurements of Atmospheric Iodine Species by Resonance Fluorescence, Catherine S. E. Bale, Trevor Ingham, Roisin Commene, Dwayne E. Heard and William J. Bloss, *Journal of Atmospheric Chemistry* (2008) **60**, 51-70. [SpringerLink](#)
21. Chemistry of the Antarctic Boundary Layer and the Interface with Snow: An Overview of the CHABLIS Campaign, A. E. Jones, E.W. Wolff, R. A. Salmon, S. J.-B. Bauguitte, H. K. Roscoe, P. S. Anderson, D. Ames, K. C. Clemitshaw, Z. L. Fleming, W. J. Bloss<sup>3</sup>, D. E. Heard, J. D. Lee, K. A. Read, P. Hamer, D. E. Shallcross, A. V. Jackson, S. L. Walker, A. C. Lewis, G. P. Mills, J. M. C. Plane, A. Saiz-Lopez, W. T. Sturges and D. R. Worton, *Atmospheric Chemistry and Physics* (2008) **8**, 3789-3803. [Atmos Chem Phys PDF at atmos-chem-phys.net](#)
22. The Expedition ANTARKTIS-XXIII/10 of the Research Vessel "Polarstern" in 2007, Andreas Macke, Ed., *Berichte zur Polar- und Meeresforschung, Reports on Polar and Marine Research* (2008) Helmholtz Gemeinschaft, Bremerhaven, Bundesrepublik Deutschland. [PDF at uni-kiel.de](#)
23. Understanding the Relationship Between Ozone and Elevation in Boulder County, Colorado, Molly Elizabeth Brodin, Master's Thesis (2008) University of Colorado, Boulder. [PDF at 2B Tech Archive](#)
24. Chemistry that Affects Regional and Global Tropospheric Ozone Concentrations, Aubrey E. Cavender, Ph.D. Thesis (2008) Purdue University. [E-Pubs at purdue.edu](#) [Google Books](#)
25. In Vitro Exposure to Combustion Exhaust: Effects of Exhaust Characteristics, Amara Lee Holder, Ph.D. Thesis (2008) University of California, Berkeley. [Google Books Proquest](#)
26. Child Care Centre and Home Exposures Among Preschool Children in Singapore and Their Associations with Asthma, Allergies and Respiratory Symptoms, Zuraimi Bin Mohamed Sultan, Ph.D. Thesis (2008) National University of Singapore. [nus.edu.sg](#) [PDF at nus.edu.sg](#)
27. Spatial and Temporal Variations in Ultrafine Particulate Matter and Other Air Pollutants Throughout the Morning Near a Major Highway, Christine Ash, Ph.D. Thesis (2008) Tufts University. [Google Books](#)
28. Evidence of Enhanced Atmospheric Ammoniacal Nitrogen in Hells Canyon National Recreation Area: Implications for Natural and Cultural Resources, Linda H. Geiser, Anne R. Ingersoll and Andrzej Bytnerowicz, *Journal of the Air and Waste Management Association* (2008) **58**, 1223-1234. [tandfonline.com](#)
29. Monocyclic Aromatic Hydrocarbons in Kathmandu During the Winter Season, Young Yu, Arnico Panday, Elke Hodson, Bo Galle and Ronald Prinn, *Water, Air and Soil Pollution* (2008) **191**, 71-81. [Springer Link](#)
30. Investigation of the Multiple Roles of Tropospheric Halogen Chemistry During Arctic Ozone Depletion Events, P.J. Tackett, Ph.D. Thesis, Purdue University (2008), 195 pp. [ProQuest](#)
31. Using Ozone Measurements to Diagnose Partial Discharge in Generators, L. Lépine, D. Lessard-Déziel, M. Bélec, C. Guddemi and D.N. Nguyen, *HydroReview* (2008) **27**, 7. [HR Link](#)

## 2007

1. Ozone Removal by HVAC Filters, P. Zhao, J. A. Siegel and R. L. Corsi, *Atmospheric Environment* (2007) **41**, 3151-3160. [ScienceDirect](#)
2. Surface Ozone in Yosemite National Park, J. D. Burley and J. D. Ray, *Atmospheric Environment* (2007) **41**, 6048-6062. [ScienceDirect](#)
3. A Scripted Activity Study of the Impact of Protective Advice on Personal Exposure to Ultra-Fine and Fine Particulate Matter and Volatile Organic Compounds, D. M. Stieb, G. J. Evans, K. Sabaliauskas, L. Chen, M. E. Campbell, A. J. Wheeler, J. R. Brook and M. Guay, *Journal of Exposure Science and Environmental Epidemiology* (2008) **18**, 495–502. [J. Exp. Sci. Environ. Epidem PDF from nature.com](#)
4. Ozone Uptake to the Polar Snowpack at Summit, Greenland, D. Helmig, F. Bocquet, L. Cohen and S. J. Oltmans, *Atmospheric Environment* **41** (2007) 5061–5076. [ScienceDirect](#) [PDF at mtu.edu](#)
5. Kinetic Analysis of the Ozone Processing of an Unsaturated Organic Monolayer as a Model of an Aerosol Surface, E. González-Labrada, R. Schmidt and C. E. DeWolf, *Physical Chemistry Chemical Physics* (2007) **9**, 5814-5821. [Phys Chem Chem Phys](#)
6. Ozone Reactions with Indoor Materials during Building Disinfection, D. Poppendieck, H. Hubbard, M. Ward, C. Weschler, R.L. Corsi, *Atmospheric Environment* (2007) **41**, 3166-3176. [ScienceDirect](#)
7. The Effect of Ventilation Strategies of Child Care Centers on Indoor Air Quality and Respiratory Health of Children in Singapore, M. S. Zuraimi, K. W. Tham, F. T. Chew and P. L. Ooi, *Indoor Air* (2007) **17**, 317-327. [Wiley Online Library](#)
8. Investigation and Diagnosis of a 184-MVA Air-Cooled Generator Heavily Affected by Slot Partial Discharge, M. Belec, S. Li, D. N. Nguyen, L. Lepine, C. Guddemi, D. Lessard-Deziel, T. Schwartz and L. Lamarre, *IEEE, Electrical Insulation Conference and Electrical Manufacturing Expo* (2007) 22-24 October, Nashville, Tennessee, pages 85-90. [IEEE Xplore](#)
9. Pre-Exposure to Ozone Predisposes Oak Leaves to Attacks by *Diplodia corticola* and *Biscogniauxia mediterranea*, E. Paoletti, N. Anselmi and A. Franceschini, *The Scientific World Journal* (2007) **7**, 222-230. [The Scientific World Journal](#)
10. Improvements to the Passive Ozone Measurement System Used by GLOBE Schools, M. R. Pippin, A. E. Mertens, L C. Bush, P. A. Parker and J. Fishman (2007) American Geophysical Union, Fall Meeting 2007, Abstract #A43D-1567. [Abstract at harvard.edu](#)
11. A Study of the Vertical Scale of Halogen Chemistry in the Arctic Troposphere During Polar Sunrise at Barrow, Alaska, Philip J. Tackett, Aubrey E. Cavender, Adam D. Keil, Paul B. Shepson, Jan W. Bottenheim, Samuel Morin, John Deary, Alexandra Steffen and Chris Doerge, *Journal of Geophysical Research Atmospheres* (2007) **112**, D7, 16. [JGR](#)
12. OH and Halogen Atom Influence on the Variability of Non-Methane Hydrocarbons in the Antarctic Boundary Layer, Katie A. Read, Alastair C. Lewis, Rhian A. Salmon, Anna E. Jones and Stéphane Bauguitte, *Tellus* (2007) **59**, 22-38. [Wiley Online Library](#)
13. Personal Reactive Clouds: Introducing the Concept of Near-Head Chemistry, R.L. Corsi, J. Siegel, A. Karamalegos, H. Simon and G.C. Morrison, *Atmospheric Environment* (2007) **41**, 3161-3165. [ScienceDirect](#)
14. Seasonal Variation of Peroxyacetyl Nitrate (PAN) in Coastal Antarctica Measured with a New Instrument for the Detection of Sub-Part per Trillion Mixing Ratios of PAN, G. P. Mills, W. T. Sturges, R. A. Salmon, S. J.-B. Bauguitte, K. A. Read and B. J. Bandy, *Atmospheric Chemistry and Physics* (2007) **7**, 4589-4599. [Atmos Chem Phys](#) [PDF at atmos-chem-phys](#)
15. Laboratory Evaluation of a Novel Thermal Dissociation Chemiluminescence Method for in situ Detection of Nitrous Acid, Idalia M. Pérez, Paul J. Wooldridge and Ronald C. Cohen, *Atmospheric Environment* (2007) **41**, 3993-4001. [Science Direct](#)
16. Understanding Ozone Distribution Inside Stator Core and Measurements Inside Air-Cooled Generators To Assess Partial Discharges Problems, Louis Lépine, Denise Lessard-Déziel, Mario Bélec, Calogero Guddemi and Duc Ngoc Nguyen, *Iris Rotating Machine Conference* (2007), June, San Antonio, Texas. [PDF at twobtech.com](#)
17. Intercontinental Chemical Transport Experiment Ozonesonde Network Study (IONS) 2004: 1. Summertime Upper Troposphere/Lower Stratosphere Ozone over Northeastern North America, Anne M. Thompson, Jesse B. Stone, Jacquelyn C. Witte, Sonya K. Miller, R. Bradley Pierce, Robert B. Chatfield, Samuel J. Oltmans, Owen R. Cooper, Amber L. Loucks, Brett F. Taubman, Bryan J. Johnson, Everette Joseph, Tom L. Kucsera, John T. Merrill, Gary A. Morris, Scott Hersey, Gerry Forbes,

- Michael J. Newchurch, F. J. Schmidlin, David W. Tarasick, Valérie Thouret and Jean-Pierre Cammas, *Journal of Geophysics: Atmospheres* (2007) **112**, D12. [Wiley Online Library](#) [PDF at espo.nasa.gov](#)
18. Identification of the Effect of Biomass Burning on Trace Gases and Aerosol at the Remote Sites of China, Kam-hang Daniel Wong, Master's Thesis (2007) Hong Kong Polytechnic University. [Polyu Repository](#) [PDF at polyu.edu.hk](#)
  19. Comparison of Calculated and Measured Foliar O<sub>3</sub> Flux in Crop and Forest Species, N. E. Grulke, E. Paoletti and R. L. Heath, *Environmental Pollution* (2007) **146**, 640-647. [ScienceDirect](#)
  20. Ozone in the Atmospheric Boundary Layer: Transport Mechanisms and Predictive Indicators at 36°N, D.J. Williams, Ph.D. Thesis, Oklahoma State University (2007), 280 pp. [ShareOK](#)
  21. Surface Layer Ozone Dynamics and Air -Snow Interactions at Summit, Greenland. Spring and Summer Ozone Exchange Velocity and Snowpack Ozone: The Complex Interactions, F. Bocquet, Ph.D. Thesis, University of Colorado, 234 pp., 2007. [ProQuest Link](#)

## 2006

1. Mechanism and Elimination of a Water Vapor Interference in the Measurement of Ozone by UV Absorbance, K. L. Wilson and J. W. Birks, *Environmental Science and Technology* (2006) **40**, 6361-6367. [ES&T](#)
2. Evidence of Elevated Ozone Concentrations on Forested Slopes of the Lower Fraser Valley, British Columbia, Canada, J. Krzyzanowski, I. G. McKendry and J. L. Innes, *Water, Air and Soil Pollution* (2006) **173**, 273-287. [SpringerLink](#)
3. A Role for Newly Forming Sea Ice in Springtime Polar Tropospheric Ozone Loss? Observational Evidence from Halley Station, Antarctica, A. E. Jones, P. S. Anderson, E. W. Wolff, J. Turner, A. M. Rankin and S. R. Colwell, *Journal Geophysical Research: Atmospheres* (2006) **111**, D8, 27. [JGR](#)
4. Photochemical Pollution Under Sea Breeze Conditions, During Summer, at the Portuguese West Coast, M. G. Evtugina, T. Nunes, C. Pio, C. S. Costa, *Atmospheric Environment* (2006) **40**, 6277-6293. [ScienceDirect](#)
5. Temperature Dependence of Secondary Organic Aerosol Yield from the Ozonolysis of  $\beta$ -pinene, C. Stenby, U. Pöschl, P. von Hessberg, M. Bilde, O. J. Nielsen and G. K. Moortgat, *Atmospheric Chemistry and Physics Discussions* (2006) **6**, 10275-10297. [Atmos Chem Phys Discuss](#) [PDF from atmos-chem-phys-discuss.net](#)
6. The Effects of Southeast Asia Fire Activities on Tropospheric Ozone, Trace Gases and Aerosols at a Remote Site over the Tibetan Plateau of Southwest China, C. Y. Chan, K. H. Wong, Y. S. Li, L. Y. Chan, X. D. Zheng, *Tellus B* (2006) **58**, 310-318. [Wiley Online Library](#)
7. Physiological and Biochemical Responses of Cowpea (*Vigna unguiculata* (L.) Walp) to Ozone, Chanin Umponstira, Warin Pimpa and Suckaluck Nanegrungsun, *Journal of Science and Technology* (2006) **28**, 861-869. [PDF at psu.ac.th](#)
8. Direct Measurement of Particle Formation and Growth from the Oxidation of Biogenic Emissions, T. M. VanReken, J. P. Greenberg, P. C. Harley, A. B. Guenther and J. N. Smith, *Atmospheric Chemistry and Physics* (2006) **6**, 4403-4413. [Atmos Chem Phys](#) [atmos-chem-phys.net](#)
9. Real-Time Monitoring of the Ozonolysis of Unsaturated Organic Monolayers, Erick González-Labrada, Rolf Schmidt and Christine E. DeWolf, *Chemical Communications* (2006) 2471-2473. [pubs.rc.org](#)
10. Chlorine and Bromine Atom Ratios in the Springtime Arctic Troposphere as Determined from Measurements of Halogenated Volatile Organic Compounds, Adam D. Keil and Paul B. Shepson, *Journal of Geophysical Research: Atmospheres* (2006) **111**, D17, 16. [Wiley Online Library](#) [PDF at mtu.edu](#)
11. Air Contaminants in a Submarine Equipped with Air Independent Propulsion, Ola Persson, Christina Östberg, Joakim Pagels and Aleksandra Sebastian, *Journal of Environmental Monitoring* (2006) **8**, 1111-1121. [J Env Monit](#)
12. Ozone and PM<sub>2.5</sub> Exposure and Acute Pulmonary Health Effects: A Study of Hikers in the Great Smoky Mountains National Park, Steven P. Girardot, P. Barry Ryan, Susan M. Smith, Wayne T. Davis, Charles B. Hamilton, Richard A. Obenour, James R. Renfro, Kimberly A. Tromatore and Gregory D. Reed, *Environmental Health Perspectives* (2006) **114**, 1044-1052. [PDF at nih.gov](#)

13. Investigating the Chemical Composition of Mixed Organic–Inorganic Particles by “Soft” Vacuum Ultraviolet Photoionization: The reaction of Ozone with Anthracene on Sodium Chloride Particles, Eric Gloaguen, Erin R. Mysak, Stephen R. Leone, Musahid Ahmed and Kevin R. Wilson, *International Journal of Mass Spectrometry* (2006) **258**, 74-85. [ScienceDirect](#)
14. Acquired Changes in Stomatal Characteristics in Response to Ozone During Plant Growth and Leaf Development of Bush Beans (*Phaseolus vulgaris L.*) Indicate Phenotypic Plasticity, Vahram Elagöz, Susan S. Han and William J. Manning, *Environmental Pollution* (2006) **140**, 395-405. [ScienceDirect](#)
15. Ozone Interactions with HVAC Filters, Ping Zhao, Ph.D. Thesis (2006) University of Texas, Austin. [PDF at utexas.edu](#)
16. Building Disinfection Chemistry: Heterogeneous Consumption of Gaseous Disinfecting Agents and Resulting By-Product Formation, H.F. Hubbard, Ph.D. Thesis, University of Texas-Austin (2006), 469 pp. [UnivTexaslink](#)
17. Intensified Ozone Monitoring in Southern California, M. Arbaugh, A. Bytnerowicz, S. Determann and S. Schilling, Forest Health Monitoring National Poster Presentations Meeting (2006), USDA Forest Service, poster 10. [USDA link](#)
18. Indoor Air Quality Implications of Portable Ion Generators, J.A. Siegel, M.S. Waring, X. Yu and R.L. Corsi, (2006) Proceedings of the A&WMA Specialty Conference on Indoor Environmental Quality – Problems, Research, and Solutions, Research Triangle Park, North Carolina (July 2006) 1:1-12. [ResearchGate](#)

## 2005

1. Iodine and Halocarbon Response of *Laminaria digitata* to Oxidative Stress and Links to Atmospheric New Particle Production, C. J. Palmer, T. L. Anders, L. J. Carpenter, F. C. Küpper and G. B. McFiggans, *Environmental Chemistry* (2005) **2**, 282. [Environmental Chemistry](#)
2. The Bi-Directional Exchange of Oxygenated VOCs Between a Loblolly Pine (*Pinus taeda*) Plantation and the Atmosphere, T. Karl, P. Harley, A. Guenther, R. Rasmussen, B. Baker, K. Jardine and E. Nemitz, *Atmospheric Chemistry and Physics* (2005) **5**, 3015-3031. [Atm Chem Phys](#) [PDF at Atm Chem Phys](#)
3. A High Time Resolution Study of Boundary Layer Ozone Chemistry and Dynamics over the Arctic Ocean near Alert, Nunavut, S. Morin, G. Hönninger, R. M. Staebler and J. W. Bottenheim, *Geophysical Research Letters* (2005) **32**, L08809, 5 pp. [Wiley Online Library](#) [PDF at mtu.edu](#)
4. Long-Range Transport of Ozone, Carbon Monoxide, and Aerosols to the NE Pacific Troposphere During the Summer of 2003: Observations of Smoke Plumes from Asian Boreal Fires, Isaac T. Bertschi and Daniel A. Jaffe, *Journal of Geophysical Research: Atmospheres* (2005) **110**, D05303, 14 pp., doi:10.1029/2004JD005135. [Wiley Online Library](#) [PDF at washington.edu](#)
5. Atmospheric Hydroperoxides in West Antarctica: Links to Stratospheric Ozone and Atmospheric Oxidation Capacity, Markus M. Frey, Richard W. Stewart, Joseph R. McConnell and Roger C. Bales, *Journal of Geophysical Research* (2005) **110**, D23301. [JGR](#)
6. Effects of an Ozone-Generating Air Purifier on Indoor Secondary Particles in Three Residential Dwellings, H. F. Hubbard, B. K. Coleman, G. Sarwar and R. L. Corsi, *Indoor Air* (2005) **15** (3), 432-444. [Wiley Online Library](#)
7. Water Vapor Interference in the UV Absorption Measurement of Atmospheric Ozone, Kevin Locke Wilson (2005), Ph.D. Thesis, University of Colorado, Boulder. [PDF at twobtech.com](#)
8. Responses of Sensitive and Tolerant Bush Beans (*Phaseolus vulgaris L.*) to Ozone in Open-Top Chambers are Influenced by Phenotypic Differences, Morphological Characteristics, and the Chamber Environment, Vahram Elagöz and William J. Manning, *Environmental Pollution* (2005) **136**, 371-383. [ScienceDirect](#)
9. Ozone Removal by Residual HVAC Filters, P. Zhao, J.A. Siegel and R.L. Corsi, *Proceedings: Indoor Air* (2005), 2366-2370. [2B Tech Archive](#)
10. Atmospheric and Ice Core Chemistry of Hydroperoxides in West Antarctica: Links to Stratospheric Ozone and Climate Variability, Markus Michael Frey, Ph.D. Thesis (2005) University of Arizona. [openrepository.com](#) [PDF at openrepository.com](#)
11. Ozone Removal by Residential HVAC Filters: For Better or for Worse, P. Zhao, J.A. Siegel and R.L. Corsi, Proceedings of the Air and Waste Management Association Annual Meeting (2005), paper 1184, 11 pp. [PDF at 2B Tech Archive](#)

12. Monitoring Tropospheric Ozone in California Mountains, A. Bytnerowicz, *Phyton (Austria)* (2005) **45**, 395-404. [Semantic Scholar link](#)
13. A Field System to Deliver Desired O<sub>3</sub> Concentrations in Leaf-Level Gas Exchange Measurements: Results for Holm Oak Near a CO<sub>2</sub> Spring, N.E. Grulke and E. Paoletti, *Phyton (Horn, Austria)* (2005) **45**, 1, 21-31. [Link](#)

## 2004

1. Ambient Ozone in Forests of the Central and Eastern European Mountains, A. Bytnerowicz, B. Godzik, K. Grodzińska, W. Frączek, R. Musselman, W. Manning, O. Badea, F. Popescu and P. Fleischer *Environmental Pollution* (2004) **130**, 5-16. [ScienceDirect](#)
2. Tedlar Bag Sampling Technique for Vertical Profiling of Carbon Dioxide through the Atmospheric Boundary Layer with High Precision and Accuracy, K. Schulz, M. L. Jensen, B. B. Balsley, K. Davis and J. W. Birks, *Environmental Science and Technology* (2004) **38**, 3683-3688. [ES&T](#)
3. Exchange Processes of Volatile Organic Compounds above a Tropical Rain Forest: Implications for Modeling Tropospheric Chemistry above Dense Vegetation, T. Karl, M. Potosnak, A. Guenther, D. Clark, J. Walker, J. D. Herrick and C. Geron, *Journal of Geophysical Research: Atmospheres* (2004) **109**, D18306, 19 pp. [JGR](#)
4. New Ozone Measurement Systems for Autonomous Operation on Ocean Buoys and Towers, E. J. Hints, G. P. Allsup, C. F. Eck, D. S. Hosom, M. J. Purcell, A. A. Roberts, D. R. Scott, W. T. Rawlins, P. A. Mulhall, K. Lightner, W. W. McMillan, J. Song and M. J. Newchurch, *Journal of Atmospheric and Oceanic Technology* (2004) **21**, 1007-1016. [AMS Journals Online](#) [PDF at ametsoc.org](#)
5. PHOBEA/ITCT 2002 Airborne Observations of Transpacific Transport of Ozone, CO, Volatile Organic Compounds, and Aerosols to the Northeast Pacific: Impacts of Asian Anthropogenic and Siberian Boreal Fire Emissions, I. T. Bertsch, D. A. Jaffe, L. Jaeglé, H. U. Price and J. B. Dennison, *Journal of Geophysical Research* (2004) **109**, D23S12, 17 pp. [JGR](#)
6. Reactive Bromine and Sulfur Emissions at Salar de Uyuni, Bolivia, G. Hönninger, N. Bobrowski, E. R. Palenque, R. Torrez and U. Platt, *Geophysical Research Letters* (2004) **31**, L04101. [Wiley Online Library](#)
7. Regional and Hemispheric Impacts of Anthropogenic and Biomass Burning Emissions on Summertime CO and O<sub>3</sub> in the North Atlantic Lower Free Troposphere, R. E. Honrath, R. C. Owen, M. Val Martín, J. S. Reid, K. Lapina, P. Fialho, M. P. Dziobak, J. Kleiss and D. L. Westphal, *Journal of Geophysical Research* (2004) **109**, D24310. [JGR](#) [PDF at uac.pt](#)
8. Photochemistry, Ozone Production, and Dilution During Long-Range Transport Episodes from Eurasia to the Northwest United States, H. U. Price, D. A. Jaffe, O. R. Cooper and P. V. Doskey, *Journal of Geophysical Research: Atmospheres* (2004) **109**, D23S13. [Wiley Online Library](#) [PDF from washington.edu](#)
9. Sub-Canopy Deposition of Ozone in a Stand of Cutleaf Coneflower, Peter L. Finkelstein, Alan W. Davison, Howard S. Neufeld, Tilden P. Meyers and Arthur H. Chappelk, *Environmental Pollution* (2004) **131**, 295-303. [ScienceDirect](#)

## 2003

1. Use of Chlorofluorocarbons as Internal Standards for the Measurement of Atmospheric Non-Methane Volatile Organic Compounds Sampled onto Solid Adsorbent Cartridges, C. M. Karbiwnyk, C. S. Mills, D. Helmig and J. W. Birks, *Environmental Science and Technology* (2003) **37**, 1002-1007. [ES&T](#)
2. Interpreting Spatial Variation in Ozone Symptoms Shown by Cutleaf Cone Flower, *Rudbeckia laciniata* L., A. W. Davison, H. S. Neufeld, A. H. Chappelka, K. Wolff and P. L. Finkelstein, *Environmental Pollution* (2003) **125**, 61-70. [ScienceDirect](#) [PDF at appstate.edu](#)
3. Transport and Diffusion of Ozone in the Nocturnal and Morning Planetary Boundary Layer of the Phoenix Valley, S.-M. Lee, H. J. S. Fernando, M. Princevac, D. Zajic, M. Sinesi, J. L. McCulley and J. Anderson, *Environmental Fluid Mechanics* (2003) **3**, 331-362. [SpringerLink](#)
4. Aircraft and Surface Observations of Air Quality in Puget Sound and a Comparison to a Regional Model, J. A. Snow, J. B. Dennison, D. A. Jaffe, H. U. Price, J. K. Vaughan and B. Lamb, *Atmospheric Environment* (2003) **37**, 4019-4032. [ScienceDirect](#) [PDF at sru.edu](#)

5. Vertical profiles of O<sub>3</sub>, Aerosols, CO and NMHCs in the Northeast Pacific during the TRACE-P and ACE-ASIA Experiments, H. U. Price, D. A. Jaffe, P. V. Doskey and Ian McKendry and T. L. Anderson, *Journal of Geophysical Research* (2003) **108**, D20, 8799, 19 pp. [Wiley Online Library](#)
6. Sources and Budgets for CO and O<sub>3</sub> in the Northeastern Pacific During the Spring of 2001: Results from the PHOBEA-II Experiment, L. Jaeglé, D. A. Jaffe, H. U. Price, P. Weiss-Penzias, P. I. Palmer, M. J. Evans, D. J. Jacob and I. Bey, *Journal of Geophysical Research* (2003) **108**, D20, 8802. [Wiley Online Library](#) [PDF at washington.edu](#)
7. Methodological Needs and Perspectives for Monitoring Ambient Air Pollution and Regional Haze: Tools for Understanding Forest Responses, Andrzej Bytnerowicz, Pamela E. Padgett and Michael J. Arbaugh, *Developments in Environmental Science* (2003) **2**, 263-283. [ScienceDirect](#)
8. Towards an Air Pollution Effects Monitoring System for the Sierra Nevada, Elizabeth Plymate, Michael J. Arbaugh, Trent Procter, Suraj Ahuja, Gretchen C. Smith and Patrick J. Temple, *Developments in Environmental Science* (2003) **2**, 285-298. [ScienceDirect](#)
9. New International Long-Term Ecological Research on Air Pollution Effects on the Carpathian Mountain Forests, Central Europe, Andrzej Bytnerowicz, Ovidiu Badea, Ion Barbu, Peter Fleischer, Witold Frączek, Vladimir Gancz, Barbara Godzik, Krystyna Grodzińska, Wojciech Grodzki, David Karnosky, Milan Koren, Mare Krywult, Zbigniew Krzan, Roman Longauer, Blanka Mankovska, William J. Manning, Michael McManus, Robert C. Musselman, Julius Novotny, Flaviu Popescu, Daniela Postelnicu, Wiesław Prus-Głowacki, Paweł Skawiński, Stefan Skiba, Robert Szaro, Stefan Tamas, Cristian Vasile, *Environment International* (2003) **29**, 367-376. [Science Direct](#)
10. Ozone Monitoring and Canopy Effect in the Great Smoky Mountains National Park, Ryan Maloney, Master's Thesis (2003) University of Tennessee. [tennessee.edu](#) [PDF at tennessee.edu](#)
11. Measurements of Landscape-Scale Fluxes of Carbon Dioxide at Two AmeriFlux Sites Using a New Vertical Profiling Technique, Kristen Jean Schulz, Ph.D. Thesis, University of Colorado, Boulder, Colorado (2003). [CU Scholar](#)
12. Tropospheric Ozone in the Lower Fraser Valley, British Columbia and the Threat of Injury to Forest Plants, J. Krzyanowski, Master's Thesis (2003), University of British Columbia, Vancouver, Canada, 169 pp. [UBC Library](#)

## 2002

1. Ozone and Meteorological Boundary-Layer Conditions at Summit, Greenland, During 3–21 June 2000, D. Helmig, J. Boulter, D. David, J. W. Birks, N. J. Cullen, K. Steffen, B. J. Johnson and S. J. Oltmans, *Atmospheric Environment* (2002) **36**, 2595-2608. [ScienceDirect](#) PDF from [researchgate.net](#)
2. Vertical Distribution of Ozone and Nitric Acid Vapor on the Mammoth Mountain, Eastern Sierra Nevada, California, Andrzej Bytnerowicz, David R. Parker and Pamela E. Padgett, *The Scientific World Journal* (2002) **2**, 109. [hindawi.com](#)
3. Sodar Sounding and the Monitoring of Tropospheric Ozone, M.A. Lokoshchenko, N.V. Semenova, N.Ye. Chubarova and A.Yu. Yurova, Proceedings of the 11<sup>th</sup> International Symposium on Acoustic Remote Sensing and Associated Techniques of the Atmosphere and Oceans (ISARS), 24-28 June 2002, ISAC/CNR, Rome, Italy, 423-426. [PDF link](#)
4. Estimating Ozone Deposition Velocities and Fluxes for the Amazon Basin, T.J. Johnson, report for the Significant Opportunities in Atmospheric Research and Science (SOARS) Program, University Corporation for Atmospheric Research (2002), 13 pp. [PDF at 2B Tech Archive](#)
5. Development of a Low-Pressure "Counterflow Exchanging Virtual Impactor" for Aerosol Analysis and Measurement of Ozone Mixing Ratios and Meteorological Parameters through the Boundary Layer at Summit, Greenland, J.E. Boulter, Ph.D. Thesis (2002), University of Colorado Boulder, 235pp. [Proquest Link](#)

## 2001

1. Tethered Balloon Measurements of Boundary Layer Ozone Profiles Over the Amazon Rainforest, Theresa Jo Johnson, SOARS Research Paper (2001) National Center for Atmospheric Research, Boulder, Colorado. [PDF at ncar.edu](#).