

# Environmental Science: Atmospheres

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## IN THIS ISSUE

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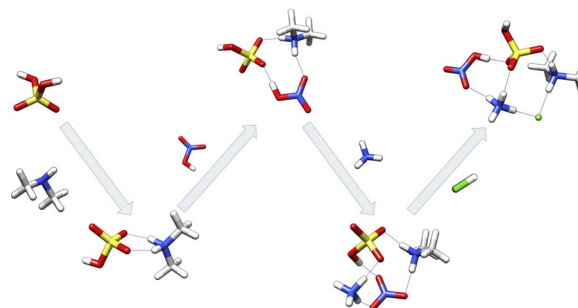
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## PAPERS

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### The driving effects of common atmospheric molecules for formation of clusters: the case of sulfuric acid, nitric acid, hydrochloric acid, ammonia, and dimethylamine

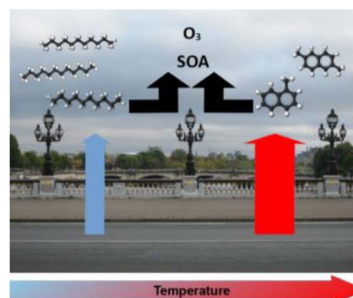
Olivia M. Longworth, Conor J. Bready, Macie S. Joines and George C. Shields\*



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### VOC emissions by fresh and old asphalt pavements at service temperatures: impacts on urban air quality

J. Lasne,\* A. Lostier, M. N. Romanias, S. Vassaux, D. Lesueur, V. Gaudion, M. Jamar, R. G. Derwent, S. Dusanter and T. Salameh\*



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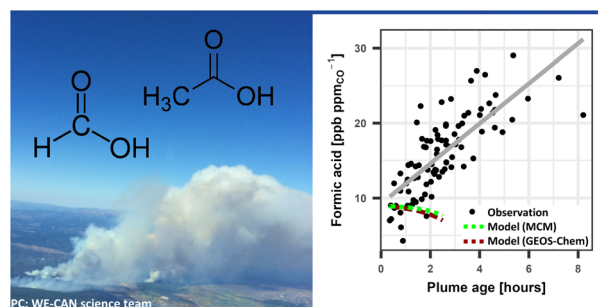
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### Assessing formic and acetic acid emissions and chemistry in western U.S. wildfire smoke: implications for atmospheric modeling

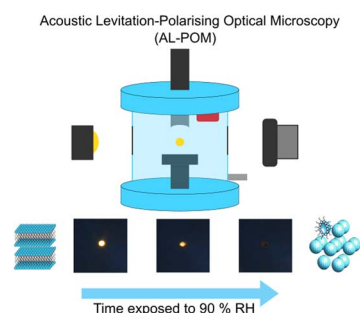
Wade Permar,<sup>\*</sup> Catherine Wielgasz, Lixu Jin, Xin Chen, Matthew M. Coggon, Lauren A. Garofalo, Georgios I. Gkatzelis, Damien Ketcherside, Dylan B. Millet, Brett B. Palm, Qiaoyun Peng, Michael A. Robinson, Joel A. Thornton, Patrick Veres, Carsten Warneke, Robert J. Yokelson, Emily V. Fischer and Lu Hu



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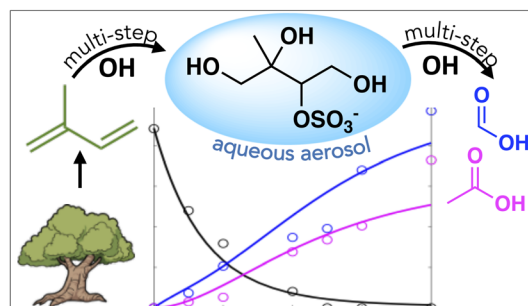
Adam Milsom, Adam M. Squires, Christopher Brasnett, William N. Sharratt, Annela M. Seddon and Christian Pfrang<sup>\*</sup>



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### Emerging investigator series: aqueous oxidation of isoprene-derived organic aerosol species as a source of atmospheric formic and acetic acids

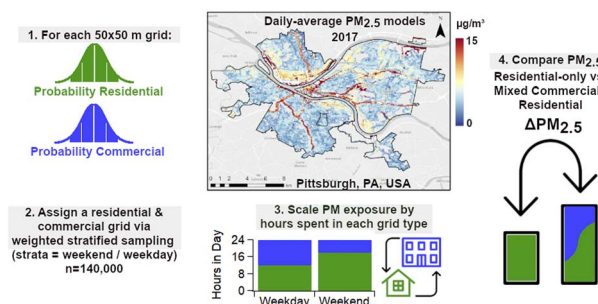
Kelvin H. Bates, Daniel J. Jacob, James D. Cope, Xin Chen, Dylan B. Millet and Tran B. Nguyen<sup>\*</sup>

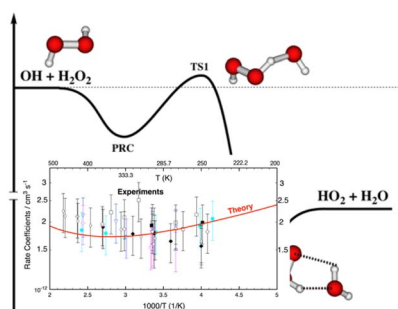


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### Using spatiotemporal prediction models to quantify PM<sub>2.5</sub> exposure due to daily movement

Sakshi Jain, Albert A. Presto and Naomi Zimmerman<sup>\*</sup>





## *Ab initio* rate coefficients for the reaction of OH and H<sub>2</sub>O<sub>2</sub> under upper troposphere and lower stratosphere conditions

Thanh Lam Nguyen\* and John F. Stanton\*

