

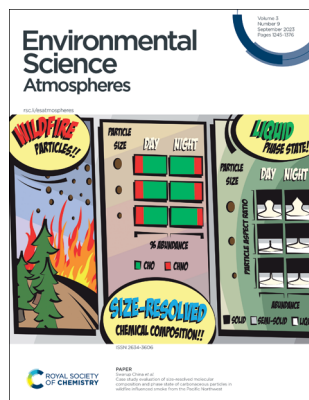
# Environmental Science: Atmospheres

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ISSN 2634-3606 CODEN ESANC9 3(9) 1245–1376 (2023)



### Cover

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### Inside cover

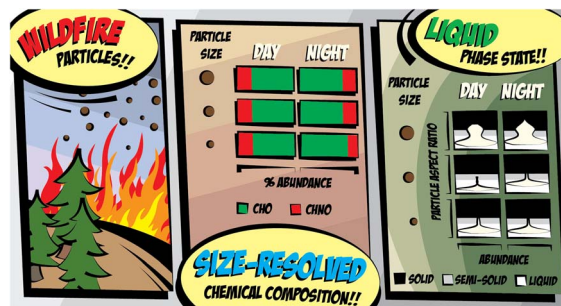
See Nishit Shetty, Rajan K. Chakrabarty *et al.*, pp. 1262–1271. Image reproduced by permission of Nishit Shetty from *Environ. Sci.: Atmos.*, 2023, 3, 1262.

## PAPERS

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### Case study evaluation of size-resolved molecular composition and phase state of carbonaceous particles in wildfire influenced smoke from the Pacific Northwest

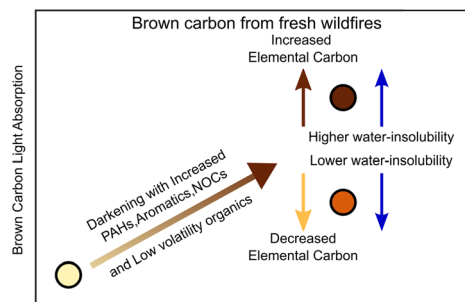
Gregory W. Vandergrift, Nurun Nahar Lata, Susan Mathai, Amna Ijaz, Zezhen Cheng, Manish Shrivastava, Jie Zhang, Abu Sayeed Md Shawon, Gourihar Kulkarni, Lynn R. Mazzoleni, William Kew and Swarup China\*



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### Brown carbon absorptivity in fresh wildfire smoke: associations with volatility and chemical compound groups

Nishit Shetty,\* Pai Liu, Yutong Liang, Benjamin Sumlin, Conner Daube, Scott Herndon, Allen H. Goldstein and Rajan K. Chakrabarty\*



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## PAPERS

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**Photolytic aging of organic aerosol from pyrolyzed urban materials**

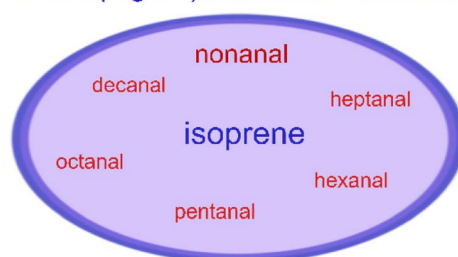
Katherine S. Hopstock, Alexandra L. Klodt, Qiaorong Xie, Michael A. Alvarado, Alexander Laskin and Sergey A. Nizkorodov\*



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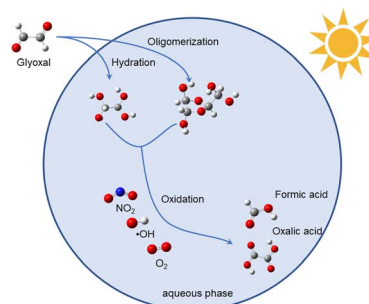
Lisa Ernle,\* Nijing Wang, Gabriel Bekö, Glenn Morrison, Pawel Wargocki, Charles J. Weschler and Jonathan Williams\*

PTR ( $\text{H}_3\text{O}^+$ )  $m/z$  69.07 indoors

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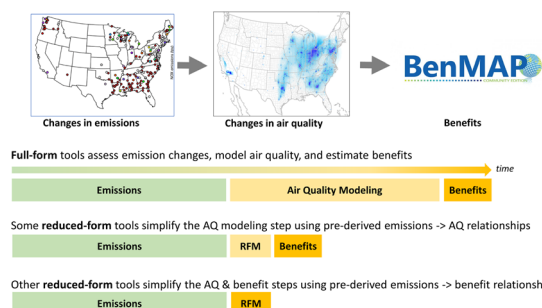
Bo Wei, Ruifeng Zhang, Patrick H.-L. Sit,\* Maoxia He and Chak K. Chan\*



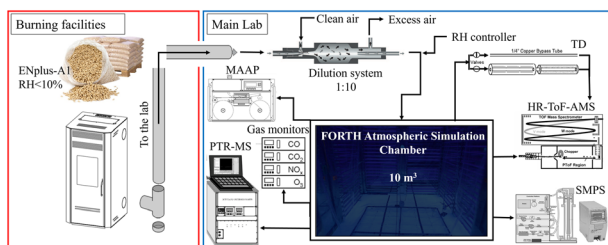
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Heather Simon,\* Kirk R. Baker, Jennifer Sellers, Meredith Amend, Stefani L. Penn, Joshua Bankert, Elizabeth A. W. Chan, Neal Fann, Carey Jang, Gobeail McKinley, Margaret Zawacki and Henry Roman



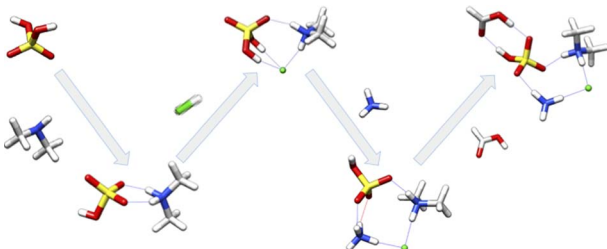
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Kalliopi Florou, John K. Kodros, Marco Paglione, Spiro Jorga, Stefania Squizzato, Mauro Masiol, Petro Uruci, Athanasios Nenes and Spyros N. Pandis\*

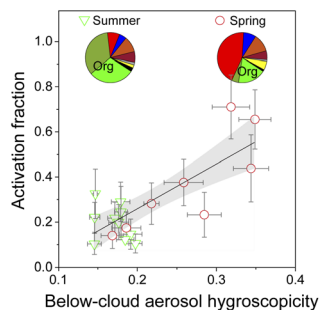
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### The driving effects of common atmospheric molecules for formation of clusters: the case of sulfuric acid, formic acid, hydrochloric acid, ammonia, and dimethylamine

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

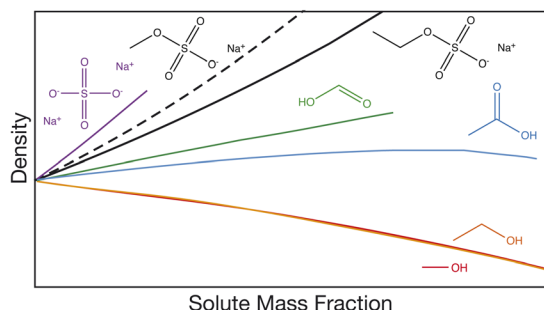
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G. Saliba, D. M. Bell, K. J. Suski, J. Fast, D. Imre, G. Kulkarni, F. Mei, J. H. Mülmenstädt, M. Pekour, J. E. Shilling, J. Tomlinson, A. C. Varble, J. Wang, J. A. Thornton and A. Zelenyuk\*

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Alison Bain, Man Nin Chan and Bryan R. Bzdek\*

