Environmental Science: Atmospheres

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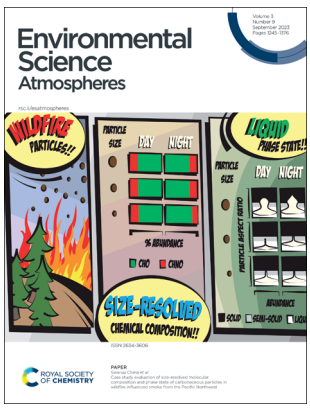

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See Nishit Shetty, Rajan K. Chakrabarty *et al.*, pp. 1262–1271. Image reproduced by permission of Nishit Shetty from *Environ. Sci.: Atmos.*, 2023, **3**, 1262.

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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

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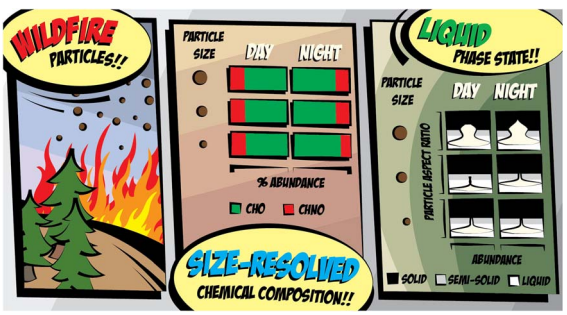

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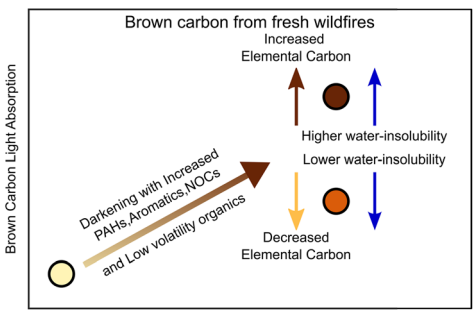
Brown carbon absorptivity in fresh wildfire smoke: associations with volatility and chemical compound groups

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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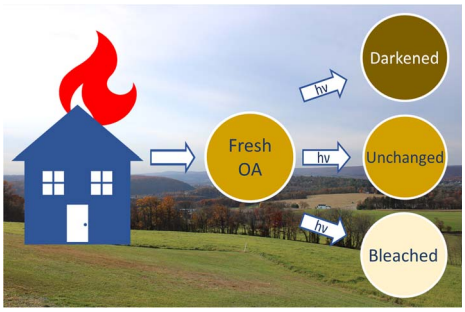
Photolytic aging of organic aerosol from pyrolyzed urban materials

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



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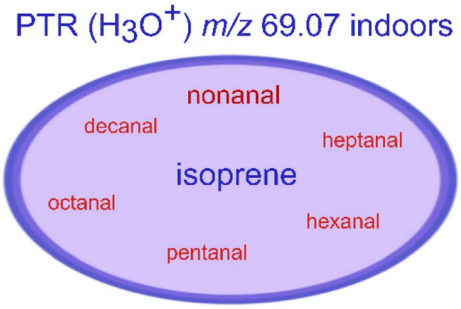
Assessment of aldehyde contributions to PTR-MS *m/z* 69.07 in indoor air measurements

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



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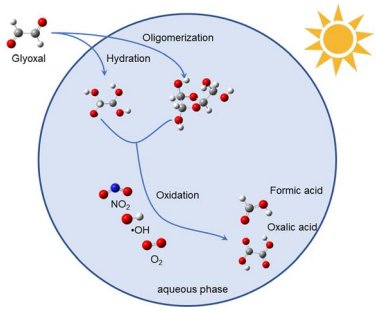
Theoretical study on the aqueous phase oxidation of glyoxal

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



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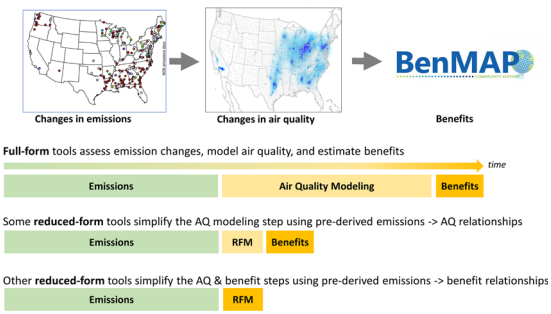

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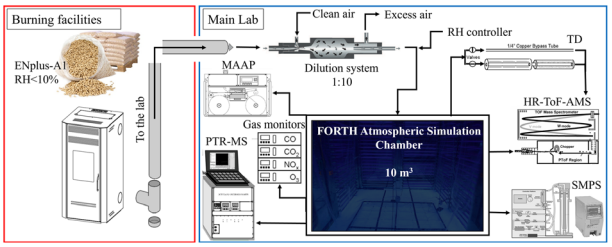

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Kalliopi Florou, John K. Kodros, Marco Paglione, Spiro Jorga, Stefania Squizzato, Mauro Masiol, Petro Uruci, Athanasios Nenes and Spyros N. Pandis*

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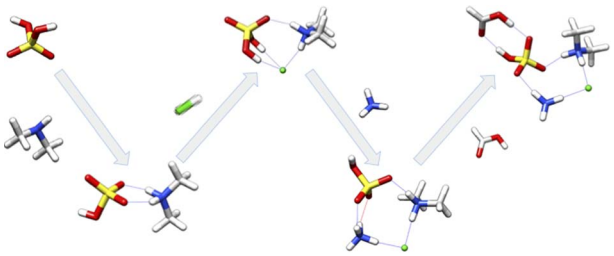

The driving effects of common atmospheric molecules for formation of clusters: the case of sulfuric acid, formic acid, hydrochloric acid, ammonia, and dimethylamine

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

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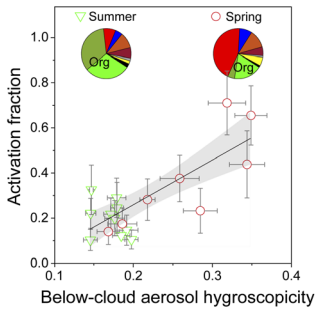

Aircraft measurements of single particle size and composition reveal aerosol size and mixing state dictate their activation into cloud droplets

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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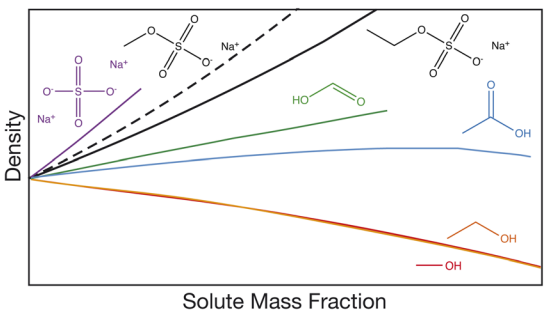

Physical properties of short chain aqueous organosulfate aerosol

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