

# Environmental Science: Atmospheres

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### Cover

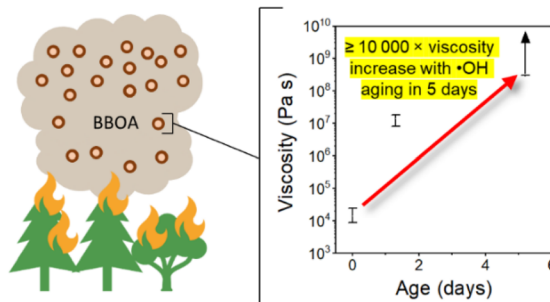
See Allan K. Bertram *et al.*, pp. 1270–1281. Image reproduced by permission of Stephanie Ford from *Environ. Sci.: Atmos.*, 2025, 5, 1270.

## PAPERS

1270

### Two-phase morphology and drastic viscosity changes in biomass burning organic aerosol after hydroxyl radical aging

Nealan G. A. Gerrebos, Lyle P. F. Browning, Sepehr Nikkho, Evan R. Chartrand, Julia Zaks, Changda Wu and Allan K. Bertram\*



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### SO<sub>2</sub> and NO<sub>x</sub> emissions from ships in North-East Atlantic waters: *in situ* measurements and comparison with an emission model

James D. Lee,\* Dominika Pasternak, Shona E. Wilde, Will S. Drysdale, Stuart E. Lacy, Sarah J. Moller, Marvin Shaw, Freya A. Squires, Pete Edwards, Loren G. Temple, Hugh Coe, Huihui Wu, Stephanie E. Batten, Stephane Bauguitte, Chris Reed, Thomas G. Bell, Mingxi Yang, Jukka-Pekka Jalkanen and Javier Buhigas



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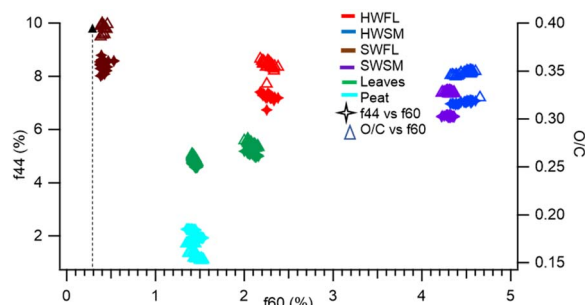
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### Variations in oxygenated and nitrogen-containing primary organic compounds based on the fuel type and burning condition in stove emissions

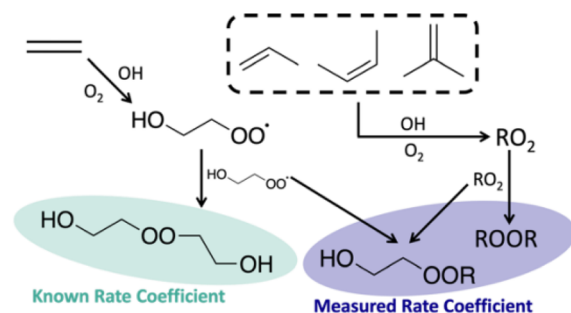
Osayomwanbor E. Oghama,\* Aristeidis Voliotis, Thomas J. Bannan, Sara A. Syafira, Dawei Hu, Huihui Wu, Peter Gallimore, Gordon McFiggans, Hugh Coe and James D. Allan\*



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### Accretion product formation in the self- and cross-reactions of small $\beta$ -hydroxy peroxy radicals

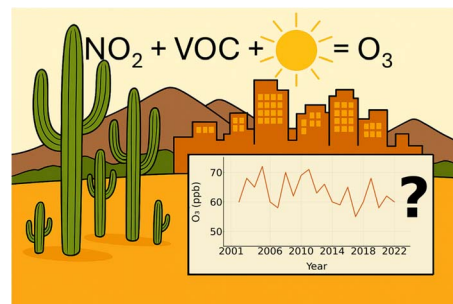
Sara E. Murphy,\* John D. Crouse, Andras Sun Poulsen, Juliette E. Lipson, Henrik G. Kjaergaard and Paul O. Wennberg



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### A long-term (2001–2022) examination of surface ozone concentrations in Tucson, Arizona

Taiwo Ajayi, Mohammad Amin Mirrezaei, Avelino F. Arellano, Ellis S. Robinson and Armin Sorooshian\*



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### An optimization of transmission measurement of an atmospheric pressure interface time-of-flight mass spectrometer (APi-ToF MS)

Dina Alfaouri, Monica Passananti,\* Nina Sarnela, Juha Kangasluoma and Hanna Vehkamäki

