Environmental Science: Atmospheres
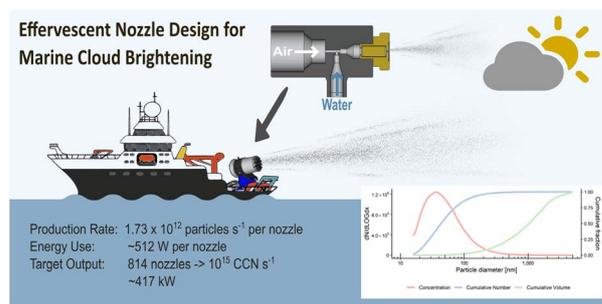
IN THIS ISSUE

Cover
See Luke P. Harrison *et al.*, pp. 1071–1080. Image reproduced by permission of Luke P. Harrison, Southern Cross University from *Environ. Sci.: Atmos.*, 2025, **5**, 1071. Logo reproduced with permission from EmiControls.

PAPERS

EES Solar

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PAPERS

1099

Multiphase reaction of nitrate radicals with vanillic acid aerosols: kinetics and formation of light-absorbing particles
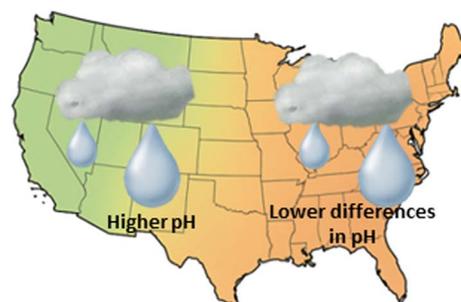
Laura-Helena Rivellini,* Carolyn Liu-Kang and Jonathan P. D. Abbatt*
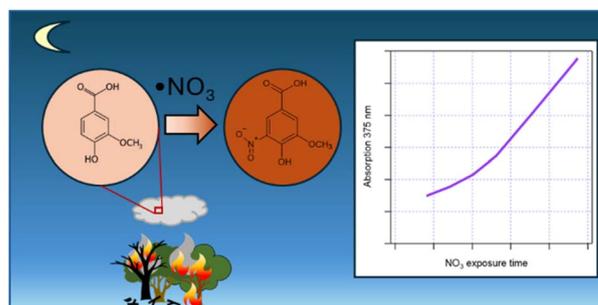
1110

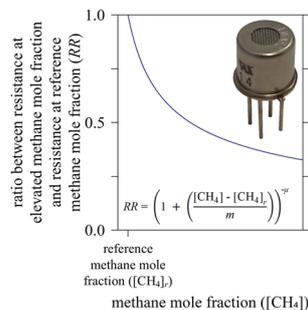**Size-resolved cloud droplet acidity over the US**

Stylianos Kakavas, Georgios Siderakis and Spyros N. Pandis*

1119

Characterising changes in the methane response of a semiconductor-based metal oxide sensor over time

Adil Shah,* Olivier Laurent, Grégoire Broquet, Clément Romand and Philippe Ciais

This fit does **not** appear to be **influenced** by
• natural passage of time
• power loss
• dry exposure

This fit appears to be **temporarily influenced** by
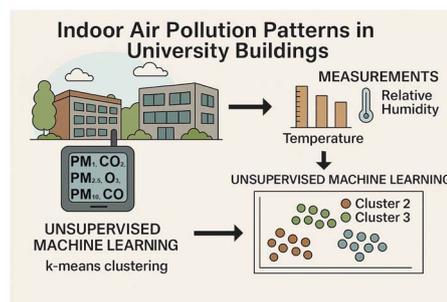• water mole fraction

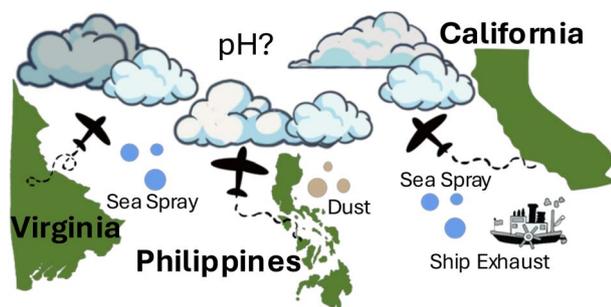This fit appears to be **permanently influenced** by
• exposure to certain gases (such as hydrogen sulphide)

$$RR = \left(1 + \left(\frac{[CH_4] - [CH_4]_r}{m} \right) \right)^{-y}$$

1144

An unsupervised machine learning approach for indoor air pollution analysis

Bárbara A. Macías-Hernández,* Edgar Tello-Leal,* Jailene Marlen Jaramillo-Perez and René Ventura-Houle

PAPERS

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Airborne cloud water pH measurements in diverse regions: statistics and relationships with constituents

Kayla M. Preisler, Ewan C. Crosbie, Miguel Ricardo A. Hilario, Grace Betito, Rachel A. Braun, Andrea F. Corral, Eva-Lou Edwards, Alexander B. MacDonald, Ali Hossein Mardi, Michael A. Shook, Connor Stahl, Edward L. Winstead, Kira Zeider, Luke D. Ziemba and Armin Sorooshian*