

Environmental Science: Atmospheres

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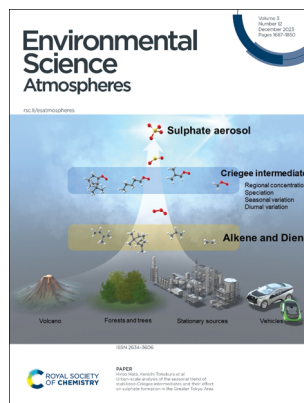
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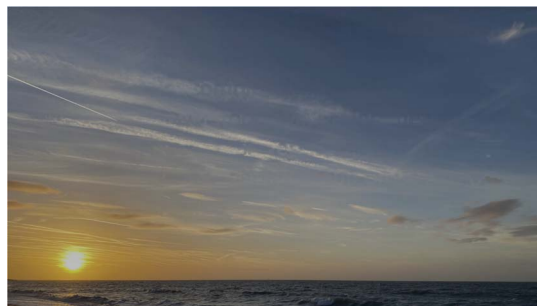
Inside cover
See Hiroo Hata, Kenichi Tonokura *et al.*, pp. 1758–1766. Image reproduced by permission of Hiroo Hata from *Environ. Sci.: Atmos.*, 2023, 3, 1758.

CRITICAL REVIEW

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Uncertainties in mitigating aviation non-CO₂ emissions for climate and air quality using hydrocarbon fuels

David S. Lee,* Myles R. Allen, Nicholas Cumpsty, Bethan Owen, Keith P. Shine and Agnieszka Skowron



PAPERS

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Chemical characterization of urban aerosols in Abidjan and Korhogo (Côte d'Ivoire) from 2018 to 2020 and the identification of their potential emission sources

Sylvain Gnamien,* Cathy Liousse, Sékou Keita, Siélé Silué, Julien Bahino, Eric Gardrat, Mohamed Kassamba-Diaby, Arsène Ochou and Véronique Yoboué



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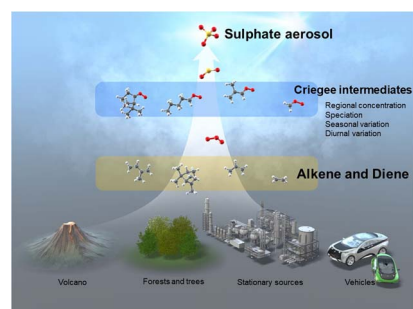
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1758

Urban-scale analysis of the seasonal trend of stabilized-Criegee intermediates and their effect on sulphate formation in the Greater Tokyo Area

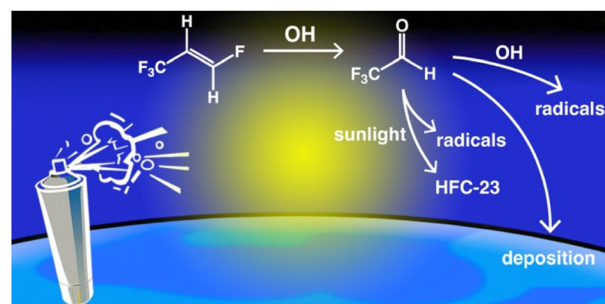
Yuya Nakamura, Hiroo Hata* and Kenichi Tonokura*



1767

Assessing the atmospheric fate of trifluoroacetaldehyde (CF_3CHO) and its potential as a new source of fluoroform (HFC-23) using the AtChem2 box model

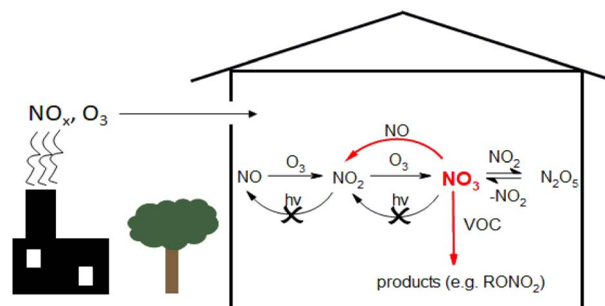
Maria Paula Pérez-Peña,* Jenny A. Fisher,* Christopher Hansen and Scott H. Kable



1778

NO_3 reactivity measurements in an indoor environment: a pilot study

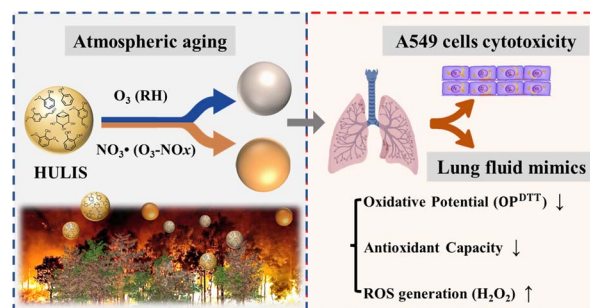
Patrick Dewald, Jos Lelieveld and John N. Crowley*



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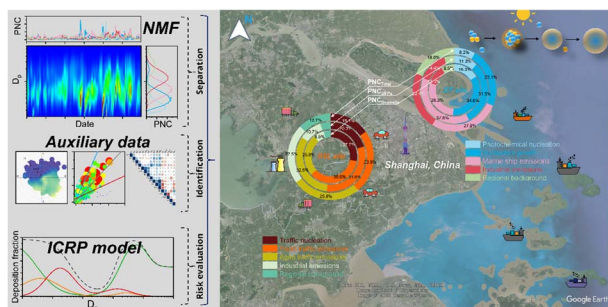
Atmospheric aging modifies the redox potential and toxicity of humic-like substances (HULIS) from biomass burning

Chunlin Li, Diego Calderon-Arrieta, Michal Pardo, Dongmei Cai, Alexander Laskin, Jianmin Chen and Yinon Rudich*



PAPERS

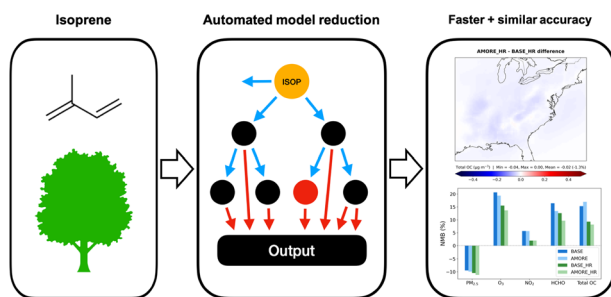
1805



Traffic, marine ships and nucleation as the main sources of ultrafine particles in suburban Shanghai, China

Qingsong Wang, Juntao Huo, Hui Chen,^{*} Yusen Duan,^{*} Qingyan Fu, Yi Sun, Kun Zhang, Ling Huang, Yangjun Wang, Jiani Tan, Li Li,^{*} Lina Wang, Dan Li, Christian George, Abdelwahid Mellouki and Jianmin Chen

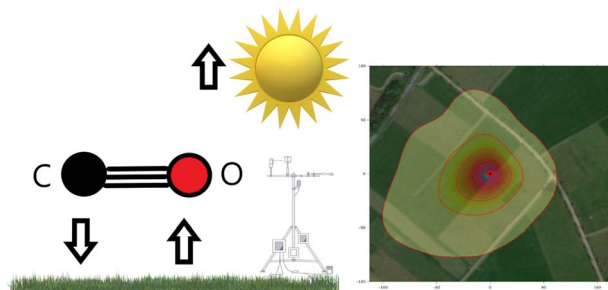
1820



Implementation and evaluation of the automated model reduction (AMORE) version 1.1 isoprene oxidation mechanism in GEOS-Chem

Benjamin Yang,^{*} Forwood C. Wiser, V. Faye McNeill, Arlene M. Fiore, Madankui Tao, Daven K. Henze, Siddhartha Sen and Daniel M. Westervelt^{*}

1834



Carbon monoxide fluxes measured using the eddy covariance method from an intensively managed grassland in Ireland

Murphy R. M.,^{*} Lanigan G., Martin D. and Cowan N.

CORRECTION

1847

Correction: Ring-opening yields and auto-oxidation rates of the resulting peroxy radicals from OH-oxidation of α -pinene and β -pinene

Ben H. Lee, Siddharth Iyer, Theo Kurtén, Jonathan G. Varelas, Jingyi Luo, Regan J. Thomson and Joel A. Thornton^{*}

