

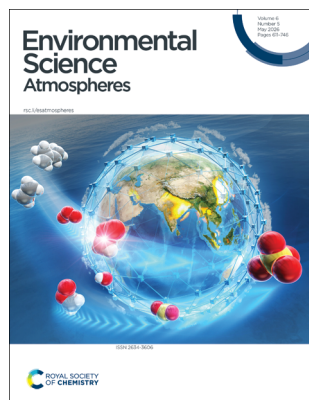
# Environmental Science: Atmospheres

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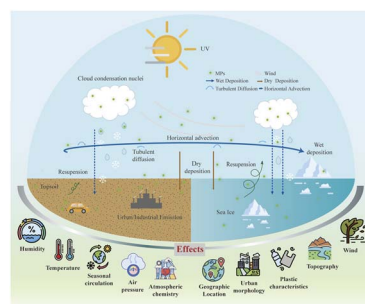
Cover  
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## CRITICAL REVIEW

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### Understanding the atmospheric cycle of microplastics: from emission to deposition

Jiajia Shan, Bominghan Yu, Jindong Guo, Wenliang Chen, Ying Su, Xue Wang\* and Xin Wang\*

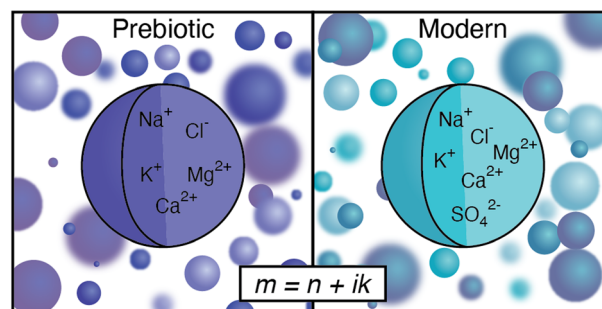


## PAPERS

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### Optical properties of prebiotic seawater analogs and sea-spray aerosols

Mae K. A. Johnson, Alexander Logozzo, Aaron M. Palmisano, Vahid Shahabadi, James F. Davies and Thomas C. Preston\*



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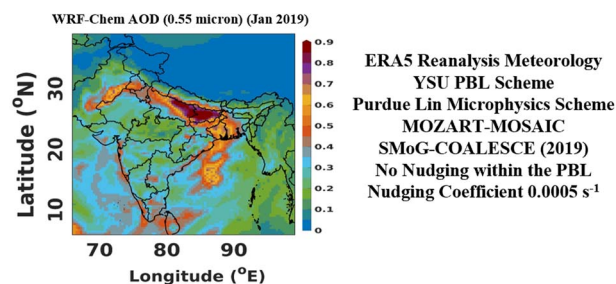


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## Toward reliable air quality simulations over India: optimizing WRF-Chem through comprehensive sensitivity analysis of meteorology, physical parameterizations, and emission inventories

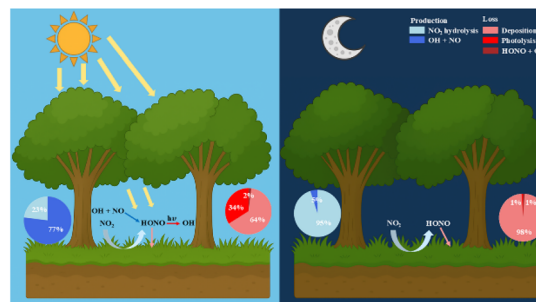
Indranil Nandi\* and Dilip Ganguly



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## Measurements and model comparisons suggest that HONO is not an important source of OH radical concentrations below a rural forest canopy

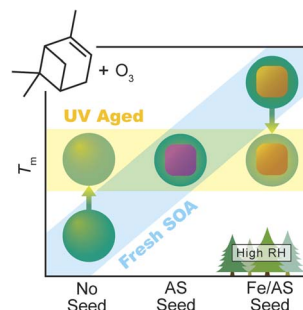
Bode Hoover, Emily Reidy, Ian Spink, Amanda Hamachek, Brandon Bottorff and Philip S. Stevens\*



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## Pre-existing particle composition controls the initial viscosity and aging of $\alpha$ -pinene-derived secondary organic aerosol

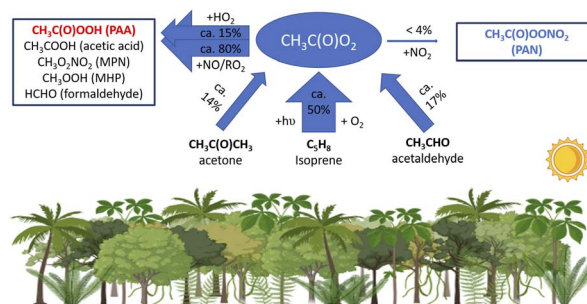
Katherine R. A. Kolozsvari, Natasha M. Garner,\* David M. Bell, Jens Top, Markus Ammann and Andrew P. Ault\*



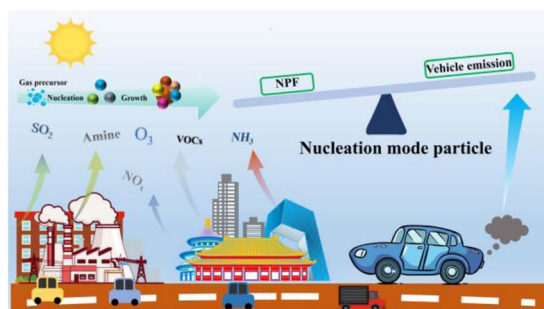
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Carolina Nelson, Matthias Kohl,\* Sergey Gromov, Andrea Pozzer, Simone T. Andersen, Raphael Dörich, Jos Lelieveld and John N. Crowley\*



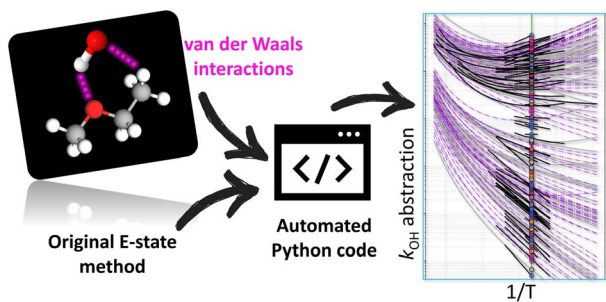
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### Identifying the sources of nucleation mode particles by analyzing black carbon coating thickness in urban atmospheres

Hong Zhang, Jun Liu, Yonghong Wang,\* Quan Liu, Tianzeng Chen, Peng Zhang, Qingxin Ma and Biwu Chu

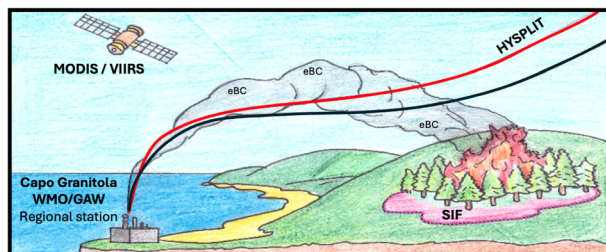
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### Estimating rate coefficients for the reactions of ethers + OH from atmospheric to combustion temperatures: an extension of the electrotopological state method

Lisa Michelat, John J. Orlando, William P. L. Carter and Max R. McGillen\*

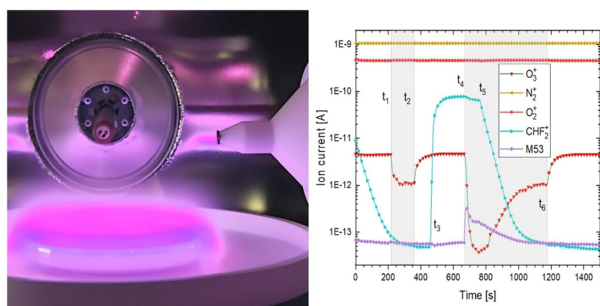
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### Seven years of measurements of equivalent black carbon at the Capo Granitola WMO-GAW station: influence of local vegetation fires

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A. Dorn,\* H. Mutaf, R. Orhan, W. Wolff, T. Pfeifer and H. Ahmedov

