

Relations of particles

World Scientific - Zooming In: Visualizing the Relative Size of Particles



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Dispersion relation

The study highlights methyl ethyl ketone as a new and unknown source for methylglyoxal in the aqueous phase that is important for aqueous secondary organic aerosol aqSOA formation. CCN concentrations are predicted with the κ —Köhler model and compared to the measurements.

ACP

Particles become internally mixed with sulfate during transport and sea salt in the Caribbean boundary layer. Using a fixed size-resolved activation ratio curve or critical diameter is very likely to result in large biases up to 50 % in the calculated N CCN during NPF events.

Tiny particles power chemical reactions

We propose a parameterization to take these into account and improve nitrate prediction; we report that the organic coating suppression on the N₂O₅ reaction is not as important as expected in the EU.

Energy

Attwood, Andreas Beyersdorf, Pedro Campuzano-Jost, Annmarie G. Based on in situ measurements, we found that CCN activity of newly formed particles largely differs in different NPF events.

Related Books

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- [TOUT VA BIEN](#)
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