

2.030 Studies on liquid-liquid phase separation in α -pinene secondary organic aerosol particles.

Early Career Scientist

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Abstract:

Recent studies on liquid-liquid phase separation in several types of secondary organic aerosols free of inorganic salts have been investigated with a possible implications for the cloud condensation nuclei [1][2][3]. However, still limited studies have been carried out on liquid-liquid phase separation in secondary organic aerosols. To obtain additional insight into phase separation in organic aerosols free of inorganic salts, we studied liquid-liquid phase separation in secondary organic aerosol particles produced from α -pinene photo-oxidation and α -pinene photo-oxidation with a reaction of NH_3 . The results and implications will be presented.