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Understanding of New Atmospheric Particles Formation

Guest Editor:

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Deadline for manuscript submissions:
closed (1 August 2022)

Message from the Guest Editor

Dear Colleagues,

Atmospheric nucleation and new particle formation (NPF) are frequently observed in the natural environment. Despite the rigorous efforts that have been made to measure, characterize, and understand NPF, there are still challenges lying ahead. The impact of NPF and aerosol particles on cloud formation still remains one of the biggest uncertainties in evaluating the Earth's radiative forcing, and how it contributes to air pollution, especially in populated megacities, is also open to discussion.

Dr. Weimeng Kong
Guest Editor

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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