NANO KOREA 2020
July 1~3, KINTEX, Korea

Jaeseok Kim

Senior Research Scientist, Center for Nano-Bio Measurements, Korea Research Institute of Standards and Science

Address: 267 Gajeong-Ro, Yuseong-Gu, Daejeon 34113, Republic of Korea
Telephone: (+82)42-868-5785 **Fax:** (+82)42-868-5032
E-mail: jaeeseok.kim@kriss.re.kr **Nationality:** Republic of Korea
Web:

EDUCATION

Gwangju Institute of Science and Technology	Ph.D	Environmental Engineering	**2012**
Chonnam National University	MS	Mechanical Engineering	**2006**
Chonnam National University	BS	Automotive Engineering	**2004**

PROFESSIONAL ACTIVITIES

- Senior Researcher, KRISS, Republic of Korea, July 2017 to Present
- Postdoctoral Researcher, KOPRI, Republic of Korea, July 2015 to June 2017
- Postdoctoral Researcher, University of Eastern Finland, Finland, September 2012 to June 2015
- Postdoctoral Researcher, GIST, Republic of Korea, March 2012 to April 2012

MAIN SCIENTIFIC PUBLICATION

- Kim, J. et al.,.: New particle formation events observed at King Sejong Station, Antarctic Peninsula – Part 1: Physical characteristics and contribution to cloud condensation nuclei, *Atmos. Chem. Phys.*, 19, 7583-7594, 10.5194/acp-19-7583-2019, 2019.
- Kim, J., et al.,: Seasonal variations in physical characteristics of aerosol particles at the King Sejong Station, Antarctic Peninsula, *Atmos. Chem. Phys.*, 17, 12985-12999, 10.5194/acp-17-12985-2017, 2017.
- Tröstl, J., et al.,: The role of low-volatility organic compounds in initial particle growth in the atmosphere, *Nature*, 533, 527-531, 10.1038/nature18271, 2016.
- Kirkby, J., et al.,: Ion-induced nucleation of pure biogenic particles, *Nature*, 533, 521-526, 10.1038/nature17953, 2016.
- Lehtipalo, K., et al.,: The effect of acid-base clustering and ions on the growth of atmospheric nano-particles, *Nat. Commun.*, 7, 10.1038/ncomms11594, 2016.
- Kim, J., et al.,.: Hygroscopicity of nanoparticles produced from homogeneous nucleation in the CLOUD experiments, *Atmos. Chem. Phys.*, 16, 293-304, 10.5194/acp-16-293-

2016, 2016.

- Gordon, H., et al.: Reduced anthropogenic aerosol radiative forcing caused by biogenic new particle formation, *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.1602360113, 2016.

RESEARCH INTERESTS

- Nanosafety
- Development of standard measurement method for measuring size of nanoparticles