

## Jaemin Hong

Current Position Postdoctoral Researcher, Graduate School of Environmental Studies,  
Seoul National University, Seoul, Korea

Phone +82-10-2699-4203  
E-mail [jmhong820@snu.ac.kr](mailto:jmhong820@snu.ac.kr) (work)

### EDUCATION

DEGREE	DATE	MAJOR/DEPARTMENT	INSTITUTION & LOCATION
B.S.	Feb 2017	Atmospheric Sciences, College of Sciences	Yonsei University, Seoul, Korea
Ph.D.	Aug 2023	Atmospheric Sciences, College of Sciences	Yonsei University, Seoul, Korea

### WORK EXPERIENCE

PERIOD	EXPERIENCES
Mar, 2017 – Aug, 2023	Research Assistant, Department of Atmospheric Sciences, College of Science, Yonsei University, Seoul, Korea
Sep, 2023 –	Postdoctoral Researcher, Graduate School of Environmental Studies, Seoul National University, Seoul, Korea

### AWARDS / SCHOLARSHIP

DATE	AWARDS
Nov 2018	Best Poster Award, PORSEC
Oct 2019	Best Poster Award, KOMES

### PUBLICATIONS

#### Papers in peer-reviewed international journal

- Lee, J., Jeong, S., Park, H., Hong, J., Kim, J., Frey, M. M., ... & Roehl, C. M. (2024). Emission characteristics of greenhouse gases and air pollutants in Northern Hemisphere cities: Comprehensive assessment using ground-based Fourier transform spectrometers. *Journal of Geophysical Research: Atmospheres*, 129(12), e2023JD040562.
- Hong, J., Kim, J., Jung, Y., Kim, W., Lim, H., Jeong, S., & Lee, S. (2023). Potential improvement of XCO<sub>2</sub> retrieval of the OCO-2 by having aerosol information from the A-train satellites. *GIScience & Remote Sensing*, 60(1), 2209968.
- Park, C., Jeong, S., Park, H., Sim, S., Hong, J., & Oh, E. (2022). Comprehensive assessment of vertical variations in urban atmospheric CO<sub>2</sub> concentrations by using tall tower measurement and an atmospheric transport model. *Urban Climate*, 45, 101283.

- Kim, S.-M., Koo, J.-H., Lee, H., Mok, J., Choi, M., Go, S., Lee, S., Cho, Y., Hong, J., Seo, S., Lee, J., Hong, J.-W., & Kim, J. (2021). Comparison of PM<sub>2.5</sub> in Seoul, Korea Estimated from the Various Ground-Based and Satellite AOD. *Applied Sciences*, 11(22), 10755. <https://doi.org/10.3390/app112210755>
- Lee, S., Kim, J., Choi, M., Hong, J., Lim, H., Eck, T. F., ... & Koo, J. H. (2019). Analysis of long-range transboundary transport (LRTT) effect on Korean aerosol pollution during the KORUS-AQ campaign. *Atmospheric Environment*, 204, 53-67.
- Lee, S., Hong, J., Cho, Y., Choi, M., Kim, J., Park, S. S., ... & Koo, J. H. (2018). Characteristics of classified aerosol types in south korea during the maps-seoul campaign. *Aerosol and Air Quality Research*, 18(9), 2195-2206.

### **Papers in peer-reviewed domestic journal**

- Koo, J. H., Lee, S. J., Lee, T., Lee, D., Yeo, M. J., Song, H. J., ... & Hong, J. (2025). Analysis of Methane (CH<sub>4</sub>) Distribution in Northeast Asia Based on Satellite Measurement Data. *Journal of Korean Society for Atmospheric Environment*, 41(5), 826-844.