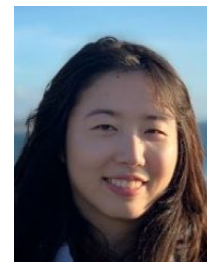


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Employment

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Research outputs

Application of Ultralight Aircraft for Aerosol Measurement Within and Above the Planetary Boundary Layer Above the City of Copenhagen

Thomas, D. C., Gosewinkel, U. B., Christiansen, M. D., Frohn, L. M., Ye, Z., Massling, A. & Skov, H., Jan 2025, In: Atmosphere. 16, 1, 39.

Impact of meteorology and aerosol sources on PM_{2.5} and oxidative potential variability and levels in China

Liu, J., Christensen, J. H., Ye, Z., Dong, S., Geels, C., Brandt, J., Nenes, A., Yuan, Y. & Im, U., 26 Sept 2024, In: Atmospheric Chemistry and Physics. 24, 18, p. 10849-10867 19 p.

Impact of anthropogenic emission control in reducing future PM_{2.5} concentrations and the related oxidative potential across different regions of China

Liu, J., Ye, Z., Christensen, J. H., Dong, S., Geels, C., Brandt, J., Nenes, A., Yuan, Y. & Im, U., Mar 2024, In: Science of the Total Environment. 918

Improving Simulation of Gas-Particle Partitioning of Atmospheric Mercury Using CMAQ-newHg-Br v2

Wu, L., Mao, H., Ye, Z., Dibble, T. S., Saiz-Lopez, A. & Zhang, Y., Mar 2024, In: Journal of Advances in Modeling Earth Systems. 16, 3, 18 p., e2023MS003823.

Examining indicators and methods for quantifying ozone exposure to vegetation

Mao, H., Felker-Quinn, E., Sive, B., Zhang, L., Ye, Z. & Fang, H., 1 Jan 2024, In: Atmospheric Environment. 316, p. 120195 1 p., 120195.

Evolution of European extreme heat in the recent past and future from WRF downscaling experiments forced with CMIP6 scenarios

Ye, Z., Christensen, J. H., Geels, C., Sandstad, M., Schwingshackl, C., Hodnebrog, Ø., Iles, C., Aunan, K. & Im, U., 22 Dec 2023, (Submitted) In: Quarterly Journal of the Royal Meteorological Society.

Air Quality, Health Effects and External Costs in Selected Cities in Nordic Countries: Analysis of new WHO Air Quality Guidelines in the Nordic countries and Europe

Jensen, S. S., Christensen, J. H., Ye, Z., Frohn, L. M., Geels, C., Andersen, M. S., Nielsen, O.-K. & Nordstrøm, C., Dec 2023, Nordic Council of Ministers. (TemaNord; No. 548, Vol. 2023).

Policy Brief. Air Quality, Health Effects and External Costs in Selected Cities in Nordic Countries

Jensen, S. S., Christensen, J. H., Ye, Z., Frohn, L. M., Geels, C., Andersen, M. S., Nielsen, O.-K. & Nordstrøm, C., Dec 2023, Nordic Council of Ministers. (Nord; No. 049, Vol. 2023).

Near-past and future trends of European extreme heat and heat waves from WRF downscaling experiments: Oral in the 2022 European Geosciences Union General Assembly

Ye, Z., Im, U., Christensen, J. H., Geels, C., Standstad, M., Iles, C. & Schwingshackl, C., 26 May 2022.

Three-dimensional variational data assimilation of particulate matters with the Danish Eulerian Hemispheric Model: NOSA Symposium 2022

Ye, Z., Geels, C., Brandt, J., Frohn, L. M., Christensen, J. H., Silver, J., Segers, A. & Hansen, K. M., 14 Mar 2022.

Impacts of anthropogenic emissions and meteorology on mercury deposition over lake vs land surface in upstate New York

Ye, Z., Mao, H. & Driscoll, C. T., Dec 2020, In: Ecotoxicology. 29, 10, p. 1590-1601 12 p.

Atmospheric chemistry of gaseous oxidized mercury at a coastal site in Atlantic Canada

Cheng, I., Zhang, L., Mao, H., Ye, Z. & Keenan, R., Mar 2020, In: Journal of the Atmospheric Sciences. 77, 3, p. 1137-1149 13 p.

Primary effects of changes in meteorology vs. anthropogenic emissions on mercury wet deposition: A modeling study

Ye, Z., Mao, H. & Driscoll, C. T., 1 Feb 2019, In: Atmospheric Environment. 198, p. 215-225 11 p.

Evaluation of CMAQ Coupled With a State-of-the-Art Mercury Chemical Mechanism (CMAQ-newHg-Br)

Ye, Z., Mao, H., Driscoll, C. T., Wang, Y., Zhang, Y. & Jaeglé, L., 1 Feb 2018, In: Journal of Advances in Modeling Earth Systems. 10, 3, p. 668-690 23 p.

Meteorological effects on Hg wet deposition in a forested site in the Adirondack region of New York during 2000–2015

Mao, H., Ye, Z. & Driscoll, C., 1 Nov 2017, In: Atmospheric Environment. 168, p. 90-100 11 p.

Investigation of processes controlling summertime gaseous elemental mercury oxidation at midlatitudinal marine, coastal, and inland sites

Ye, Z., Mao, H., Lin, C.-J. & Kim, S. Y., 1 Jul 2016, In: Atmospheric Chemistry and Physics. 16, 13, p. 8461-8478 18 p.

Sources and Dynamic Processes Controlling Background and Peak Concentrations of TGM in Nanjing, China

Hall, C. B., Mao, H., Ye, Z., Talbot, R., Ding, A., Zhang, Y., Zhu, J., Wang, T., Lin, C.-J., Fu, C. & Yang, X., 1 Mar 2014, In: Atmosphere. 5, 1, p. 124-155 32 p.

Projects

Air Quality, Health Effects and External Costs in Selected Cities in Nordic Countries

Jensen, S. S. (PI), Christensen, J. H. (Participant), Ye, Z. (Participant), Frohn, L. (Participant), Geels, C. (Participant), Andersen, M. S. (Participant), Nielsen, O.-K. (Participant) & Nordstrøm, C. (Participant)
01/08/2022 → 01/10/2023

CAMEO: CAMEO EvOluTion

Ye, Z. (PI), Geels, C. (PI), Hansen, K. M. (Participant), Christensen, J. H. (Participant) & Frohn, L. (Participant)
01/01/2023 → 31/12/2025

Data-driven chemical transport model

Ye, Z. (PI) & Alibrandi, U. (Participant)
01/09/2022 → 31/12/2022

EXHAUSTION

Im, U. (PI), Geels, C. (Participant), Christensen, J. H. (Participant), Brandt, J. (Participant), Frohn, L. (Participant), Andersen, M. S. (Participant) & Ye, Z. (Participant)
01/06/2019 → 31/01/2024

NordSmoke

Geels, C. (PI), Frohn, L. (Participant), Ye, Z. (Participant), Jensen, S. S. (Participant) & Andersen, C. (Participant)
01/06/2022 → 30/11/2024