

# Mingwei Li

Green Hall 3-C-19, Princeton University,  
Princeton, NJ 08544

[mingwei@princeton.edu](mailto:mingwei@princeton.edu)  
<https://scholar.princeton.edu/mingwei>

## ACADEMIC POSITION

**Postdoctoral Research Associate, Princeton University**, Woodrow Wilson School of Public and International Affairs, Center for Policy Research on Energy and the Environment Sep 2019-present

## EDUCATION

**Ph.D.**, Atmospheric Chemistry, **Massachusetts Institute of Technology**, Department of Earth, Atmospheric and Planetary Sciences Sep 2013-Jun 2019  
Advisor: Prof. Noelle E. Selin. Thesis title: Impacts of emission policies in China on air pollution and human health.

**M.E.**, Environmental Science and Engineering, **Tsinghua University**, School of Environment Sep 2010-Jul 2013  
Advisor: Prof. Yuxuan Wang. Thesis title: The interhemispheric difference of atmospheric CO<sub>2</sub>: implications for carbon sources and sinks.

**B.E.**, Environmental Engineering, **Tsinghua University**, School of Environment Aug 2006-Jul 2010

## AWARDS AND FELLOWSHIPS

ThinkSwiss Scholarship (travel grant for attending Swiss Climate Summer School), Embassy of Switzerland in the United States of America, 2016.

Jack C. Tang (1949) Fellowship for graduate research, MIT, 2015-2017.

Whiteman Fellowship for graduate research, MIT, 2014-2015.

## PUBLICATIONS

### **Peer-reviewed Journal Articles**

1. **Li, M.**; Zhang, D.; Li, C.-T.; Selin, N. E.; Karplus, V. J. Co-Benefits of China's Climate Policy for Air Quality and Human Health in China and Transboundary Regions in 2030. *Environ. Res. Lett.* **2019**, *14* (8), 084006. <https://doi.org/10.1088/1748-9326/ab26ca>.
2. **Li, M.**; Zhang, D.; Li, C.-T.; Mulvaney, K. M.; Selin, N. E.; Karplus, V. J. Air Quality Co-Benefits of Carbon Pricing in China. *Nature Climate Change* **2018**, *8* (5), 398–403. <https://doi.org/10.1038/s41558-018-0139-4>.
3. Shen, L.; Mickley, L. J.; Leibensperger, E. M.; **Li, M.** Strong Dependence of U.S. Summertime Air Quality on the Decadal Variability of Atlantic Sea Surface Temperatures: *Geophys. Res. Lett.* **2017**, *44* (24), 12,527–12,535. <https://doi.org/10.1002/2017GL075905>.
4. **Li, M.**; Wang, Y.; Ju, W. Effects of a Remotely Sensed Land Cover Dataset with High Spatial Resolution on the Simulation of Secondary Air Pollutants over China Using the Nested-Grid GEOS-Chem Chemical Transport Model. *Adv. Atmos. Sci.* **2014**, *31* (1), 179–187. <https://doi.org/10.1007/s00376-013-2290-1>.
5. Wang, Y.; **Li, M.**; Shen, L. Accelerating Carbon Uptake in the Northern Hemisphere: Evidence from the Interhemispheric Difference of Atmospheric CO<sub>2</sub> Concentrations. *Tellus B: Chemical and Physical Meteorology* **2013**, *65* (1), 20334. <https://doi.org/10.3402/tellusb.v65i0.20334>.

### **Other Publications**

6. **Li, M.**, Shen, L. and Wang, Y. 2012. Review on the impacts of global change on troposphere ozone,

*Sciencepaper Online* (in Chinese).

## **CONFERENCE PRESENTATIONS**

### **Talks**

9<sup>th</sup> International GEOS-Chem Meeting, Cambridge, MA, May 2019.  
AGU Fall Meeting, New Orleans, LA, Dec 2017.  
11<sup>th</sup> Annual Graduate Climate Conference, Woods Hole, MA, Nov 2017.  
8<sup>th</sup> International GEOS-Chem Meeting, Cambridge, MA, May 2017.  
Chinese Environmental Scholars Forum, Princeton, NJ, Jun 2016.  
7<sup>th</sup> International GEOS-Chem Meeting, Cambridge, MA, May 2015.  
AGU Fall Meeting, San Francisco, CA, Dec 2014.

### **Posters**

AGU Fall Meeting, San Francisco, CA, Dec 2016.  
10<sup>th</sup> Annual Graduate Climate Conference, Washington, WA, Oct 2016.  
AGU Fall Meeting, San Francisco, CA, Dec 2012.

## **INVITED SEMINARS**

MIT Joint Program on the Science and Policy of Global Change, Cambridge, MA, Jul 2019.  
Harvard-China Project, Cambridge, MA, Mar 2019.  
Chinese Academy of Science, Xi'an Institute of Optics and Precision Mechanics, Xi'an, China, Jul 2015.

## **WORKSHOPS AND COLLOQUIUM**

15<sup>th</sup> International Swiss Climate Summer School, Grindelwald, Switzerland, Aug 2016.  
NCAR Advanced Study Program Summer Colloquium, Boulder, CO, Jul 2016.  
Community Earth System Model (CESM) Tutorial, Boulder, CO, Aug 2015.

## **TEACHING AND ADVISING**

Teaching Assistant, "Atmospheric Physics and Chemistry", MIT, Spring 2016.  
Undergraduate student advised: Siyi Zhang, Civil and Environmental Engineering, MIT, 2014-2015.

## **PROFESSIONAL ACTIVITIES**

Journal Reviewer: *Environmental Science & Technology*, *Environmental Research Letters*, *Environmental Pollution*, *Environmental International*, etc.  
Organizing Committee, MIT Atmospheric Science Seminar, 2015-2017.

## **SKILLS**

Programming: R, MATLAB, Fortran, IDL.  
Chemistry and climate models: GEOS-Chem, CESM, CAM-Chem.