

Chenfei QU

Stanford Energy Postdoctoral Fellow
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Education

Tsinghua University 09/2020 – 08/2025

Institute of Energy, Environment, and Economy

- PhD in Management Science and Technology

Tsinghua University 09/2016 – 08/2020

School of Environment

- BS in “Environmental Engineering (Global Environment Program)”, essentially equivalent to Environmental Management.

School of Economics and Management

- Minor in Economics

Appointment

Stanford University 09/2025 – Present

Environmental Social Sciences, Doerr School of Sustainability

- Energy Postdoc Fellow

Research Visiting & Internship Experience

Research Assistant, National Development and Reform Commission 06/2018 – 12/2019

Mentor: Kejun Jiang

- Conducted research on Pakistan’s energy transition strategy using the Low Emissions Analysis Platform (LEAP).

Exchange Student, Venice International University 02/2019 – 06/2019

Globalisation Program

- Completed coursework in International Communication and Sustainable Development.

Research Assistant, Kyoto University, Fujimori’s Lab 07/2019 – 09/2019

Mentor: Shinichiro Fujimori

- Conducted research on China’s electricity market reform.

Research Assistant, World Bank DEC-Sustainability & Infrastructure 06/2022 – 09/2023

Mentor: Carolyn Fischer

- Conducted research on the interactions between emissions trading system and renewable energy subsidies.

Visiting Researcher, ZEW-Leibniz Centre for European Economic Research

09/2024 – 12/2024

Mentor: Sebastian Rausch

- Conducted research on the policy mechanism for renewable energy.

Publications

Working Papers

Rate-Based Emissions Trading with Overlapping Policies: Insights from Theory and an Application to China (with Carolyn Fischer, Lawrence H. Goulder)

<https://www.nber.org/papers/w33197>

- This paper won the **Best Conference Paper Golden Prize** (one out of 96) in the 2024 Conference of the Chinese Association of Environment and Resource Economists.

Different Carbon Neutrality Strategies Reveal Divergent Aggregate Health Impacts and Distributional Consequences in China. Da Gao* and Chenfei Qu*, Bin Zhao, Shuxiao Wang, Xiaodan Huang, Yisheng Sun, Yueqi Jiang, Zhongfeng Xu, Xiaocong Wang, Yicong He, Jiewen Shen, Dejie Yin, Haotian Zheng, Hongrong Shi, Zhe Jiang, Xiaowen Zeng, Yun Zhu, Xiliang Zhang, Da Zhang (* contribute equally).

Did China's Pilot Emissions Trading Scheme Reduce CO₂ Emissions? Evidence from a Meta-Analysis. Yanxia Yu, Chenfei Qu, Tom Coupe, Mathilda Featherston-Lardeux, Andreas Loeschel, Arne R Weiss, Da Zhang

Peer-reviewed Articles

1. **China's Nationwide CO₂ Emissions Trading System: A General Equilibrium Assessment.** Lawrence H. Goulder, Xianling Long, Chenfei Qu, Da Zhang. *American Economic Journal: Economic Policy*, forthcoming.
2. **Understanding China's largest sustainability experiment: Atmospheric and climate governance in the Yangtze river economic belt as a lens.** Meng Peng, Hongzhang Xu, **Chenfei Qu**, Jiayu Xu, Liurui Chen, Lei Duan, Jiming Hao. *Journal of Cleaner Production*, 2021, 290: 125760
3. **Are China's nationally determined contributions (NDCs) so bad.** Kejun Jiang, Chenmin He, **Chenfei Qu**, Chunyan Dai, Yifei Zhang, Sha Chen, Pianpian Xiang. *Science Bulletin*, 2019, 64(6): 364-366.
4. **Estimating Health Co-Benefits of Climate Policies in China: An Application of the Regional Emissions-Air Quality-Climate-Health (REACH) framework.** **Chenfei Qu**, Xi Yang, Da

Zhang and Xiliang Zhang. *Climate Change Economics*, 2020, 11(03): 2041004.

5. **Exploring US-China Climate Cooperation Through Linked Carbon Markets.** Alexander Li, **Chenfei Qu**, Xiliang Zhang. *Advances in Climate Change Research*, 2023, 14(1):145-155
6. **The C-REM 4.0 model: A CGE Model for Provincial Analysis of China's Carbon Neutrality Target.** Hantang Peng, **Chenfei Qu**, Valerie Karplus and Da Zhang. *Energy and Climate Management*, 2024.
7. **Climate Actions, Persistent Pollutants, and Human Health: A Call for Integrated Assessments.** Shan Niu, Minghao Qiu, Li Li, **Chenfei Qu**, Da Zhang. *Environmental Science & Technology*, 2024, 58, 36, 15885-15887.

Other Publications

1. **Economic and Environmental Impacts of China's New Nationwide CO₂ Emissions Trading System: Results from a Numerical General Equilibrium Model.** 2023. *Asia Society Policy Institute*.
2. *Resource for the Future* Blog: **Assessing China's New Nationwide Effort to Reduce Carbon Dioxide Emissions.** 2024.
3. *VoxChina* Blog: **China's New Nationwide CO₂ Emissions Trading System: General Equilibrium Impacts.** 2024.
4. **How effective were the Chinese regional emissions trading schemes? A meta-analytic answer.** *OSF pre-registration*. 2024.

Honors and Awards

1. Xie Zhenhua Global Practice Scholarship, Tsinghua University, 2024
2. Best Conference Paper Golden Prize (one out of 96) in the 2024 Conference of the Chinese Association of Environment and Resource Economists
3. China National Scholarship for Graduate Students (the highest national scholarship awarded to Chinese graduate students, with a selection rate of 0.2%), 2021
4. Outstanding Graduate Thesis, Tsinghua University, 2020
5. Outstanding Academic Performance in Globalization Program (one of 6 selected out of 140), Venice International University, 2019

Conference Presentations

2023

1. NBER Environment and Energy Economics Program Meeting
2. Mannheim Conference on Energy and the Environment
3. Global Trade Analysis Project (GTAP) Annual Conference
4. International Conference of China and Development Studies
5. European Association of Environmental and Resource Economists (EAERE) Conference

2024

1. Conference of the Chinese Association of Environment and Resource Economists (CAERE)
2. Association of Environmental and Resource Economists (AERE) Conference
3. Global Trade Analysis Project (GTAP) Annual Conference

4. Workshop on Environmental and Energy Economics at Shanghai Jiao Tong University
5. 2nd China Energy Model Youth Forum