

FANGZHI WANG

Curriculum Vitae

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School of Management & Economics

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Center for Energy & Environmental Policy Research

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Beijing Institute of Technology

Haidian District, Beijing

EDUCATION

- Ph. D student in Energy and Climate Change Economics, [Center for Energy & Environmental Policy Research \(CEEP ranks 12th globally in environmental economics according to RePEc\)](#), Beijing Institute of Technology, 2019-2023
Supervisor: [Liao Hua](#)
- Visiting Ph. D student in Department of Economics, University of Sussex, 2022-2023
Supervisor: [Richard S.J. Tol](#)
- M.A. in Applied Economics, Center for Energy & Environmental Policy Research, Beijing Institute of Technology, 2017-2019
Thesis advisor: [Liao Hua](#)
- B.A. in Economics with Honors, Nanjing University of Aeronautics and Astronautics, 2013-2017 (NUAA ranks among top 30 universities in China)

RESEARCH FIELDS

- Integrated assessment modelling (main); economic growth and development; oil price and macroeconomy;

WORKING IN PROGRESS

- Investing in climate capital under structural change
- Endogenous preferences in the climate-economy model: How the changing appreciation of non-market goods drives climate policy
- Tackling carbon emission and air pollution together: A theoretical analysis on Pigouvian tax in an intertemporal multi-region equilibrium (in Chinese)

REFEREED PUBLICATIONS

- **Wang, F., & Liao, H.** (2022). Unexpected economic growth and oil price shocks. *Energy Economics*, 116, 106430.
- Liao, H, **Wang, F.**, Teng, M. (Accepted). Advances in climate damage and adaptation research in modelling complex climate-economy system (in Chinese). *Systems Engineering—Theory & Practice*.
- Liao, H., Peng, Y., **Wang, F.**, & Zhang, T. (2022) Understanding energy use growth: the role of investment-GDP ratio. *Structural Change and Economic Dynamics*, 63, 15-24.
- Zhang, C., Liao, H., **Wang, F.**, & Li, R. (2021). Temperature effect on consumer behavior: A case study of China. *Weather, Climate, and Society*, 13(4), 813-822.
- Liao, H., Wang, C., Liu, Y., Gao, Y., & **Wang, F.** (2019). Revision on China's energy data by sector and fuel type at provincial level. *Energy Efficiency*, 12(4), 849-861.
- Hou, B., Liao, H., Wang, J. W., **Wang, F.**, & Zhang, H. (2019). Cooking fuel decision-making and family structure: a field study in China. *Environmental Science and Pollution Research*, 26(23), 24050-24061.
- Tian, J., Andrade, C., Lumberras, J., Guan, D., **Wang, F.**, & Liao, H. (2018). Integrating sustainability into city-level CO₂ accounting: social consumption pattern and income distribution. *Ecological Economics*, 153, 1-16.

RESEARCH EXPERIENCE

- Research assistant for The National Science Fund for Distinguished Young Scholars “Research on Energy Economics and Climate Policy” (hosted by Prof. Hua Liao), 2020-2022
- Research assistant for Major Project of the National Natural Science Foundation of China “How Economic System Impacts Carbon Emissions: Dynamic Control Strategies” (co-hosted by Prof. Hua Liao), 2022 Autumn

TEACHING EXPERIENCE

- Teaching assistant for Environmental economics (undergraduate) at Beijing Institute of Technology, 2021 Spring

AWARDS

- Outstanding Student Scholarship of Beijing Institute of Technology, 2018, 2019, 2020, 2021
- National Scholarship by Ministry of Education of the People's Republic of China, 2016

LANGUAGES

- Chinese (native); English (very fluent); Japanese (basic)