

BASIC INFORMATION

Name: Jiacong Cai
Date of birth: 2001.08.21
E-mail: jiacong.cai@smail.nju.edu.cn
Address: Xianlin Avenue #163, Nanjing, Jiangsu, China, 210023
Research interest: Climate change adaptation; Impact assessment

**EDUCATION**

Ph.D. student 2023.09- Department of Environmental Science & Engineering, School of the Environment, Nanjing University, China
Expected graduation: 2028.06 (**5-year Ph.D. Training Program**)
Supervisor: Prof. Jun Bi; Assis. Prof. Jianxun Yang

B.S. 2019.09-2023.06 Department of Environmental Planning & Management, School of the Environment, Nanjing University (**GPA:4.6/5.0, Rank: 1/9**)

PUBLICATIONS

- [1] **Jiacong Cai**, Jianxun Yang*, Miaomiao Liu*, Wen Fang, Zongwei Ma, Jun Bi; Informing Urban Flood Risk Adaptation by Integrating Human Mobility Big Data During Heavy Precipitation. **Environmental Science & Technology**, 58(10), 4617-4626.
- [2] **Jiacong Cai**, Yiding Wei, Jianxun Yang*, Chenyi Ji, Miaomiao Liu*, Wen Fang, Zongwei Ma, Jun Bi. A Two-Stage Robust Decision-Making Framework (2S-RDM) for Flood Risk Adaptation under Deep Uncertainty. **Fundamental Research**.

Working papers

- [1] **Jiacong Cai**, et al. A Better Balance: Industrial Restructuring and Energy Transition for a Sustainable Economy-Climate-Environment Pathway.
- [2] **Li Sun[#], Jiacong Cai[#]**, et al. Greening and recycling clothes: Pathways to flatten the carbon emission in China's textile industry by 2035.

PROJECT EXPERIENCE

Study on water shortage risk assessment and adaptation strategies in the low carbon transition of electricity (grant no. BK20220014), 2024-2026 Responsible for the preliminary data collection of the project and the related research content.

Environmental risk management (grant no. 71921003), 2020-2024 Responsible for the preparation of sub-project proposals, data collection and processings.

CONFERENCE PRESENTATION & ACADEMIC ACTIVITY

2024.05 Nanjing, China Doctoral forum on "Climate change" (Excellent Oral Presentation)

2023.12 Xiamen, China The First International Conference on Urban Science and Sustainability (Invited Oral Presentation)

2023.10 Nanjing, China Jiangsu Province Scientific Research and Innovation Practice Competition on Safe and Resilient Cities (Grand Prize & Outstanding Mentor Award)

AWARDS

2024.11 2024 Outstanding Graduate Student of Nanjing University

2024.10 National Scholarships for Graduate Students (**Top 1%**)

2023.10 China Optics Valley Scholarship (Funded by Wuhan East Lake New Technology Development Zone Management Committee) (**Top 0.5%**)

2023.10 Nanjing University President's Special Scholarship (**Top 1%**)

