CV

Ziqian Xia

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EDUCATION

PhD in Environmental Behavioral Sciences 2025 - 2030 (expected)
Stanford University, Stanford, United States

Master of Management in Public Policy 2022 - 2025
Tongji University, Shanghai, China PR (Tongji)
GPA: 90.78 RANK: 1/22

Bachelor of Economics in Economic Statistics (Major)
Bachelor of Science in Applied Psychology (Minor) 2018 - 2022
Nanchang University, Nanchang, China PR (NCU)
Affiliated to a highly selective school: **Jiluan Academy**
GPA: 85.36 RANK: 2/3

The Analysis Methods of Social Survey Data (Summer School) June 2020
Peking University, Beijing, China PR (PKU)

Business and Culture Program (Exchange Program) July 2019
Waseda University, Tokyo, Japan (WU)

LAB POSITIONS

Visiting Researcher Dec 2023 – Present
University of Cambridge, Cambridge, UK
Cambridge Collective Intelligence & Design Group (CamCID)

Research Fellow in Behavioral Science Nov 2023 – Mar 2025
Duke Kunshan University, Kunshan, China

Guest Researcher – DAAD Short-term Scholarship Sep 2023 – Nov 2023
Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany (FAU)
Digital Transformation: Bits to Energy Lab Nuremberg

Research Interns - Mitacs Globalink Program June 2021 – Sep 2021
University of Winnipeg, Canada (UWinnipeg)

Research Assistant – Chinese Academy of Sciences June 2020 – Sep 2021
Institute of soil and water conservation (ISWC), Chinese Academy of Sciences (CAS), China

RESEARCH INTERESTS

The human and policy dimensions of climate change

PUBLICATIONS

Published Journal Paper:

1. **Xia, Z.***, Ye, J., Debnath, R., Dong, X., Xie, J., Xu, M., ... & Liu, M. (2025). Growing climate change risk concerns with rising regional disparities in China. ***npj Climate Action***, 4(1), 78.
2. Hu, B.#, **Xia, Z. #**, Guo, Q., Lu, C., Constantino, S. M., & Ju, X. (2025). Assessing Nudge Impact: A Comprehensive Second-Order Meta-Analysis. ***Journal of Behavioral Decision Making***, 38(5), e70053. (Co-first author)
3. **Xia, Z.***, Liu, K., Li, J., Gu, Y., Hu, B., Zhong, Y., ... & Lam, K. L. (2025). Evaluating carbon footprint calculators: a comprehensive assessment framework. ***Clean Technologies and Environmental Policy***, 1–12.
4. Shi, K.#, **Xia, Z.*#**, Gu, H., & Nisa, C. (2025). Promoting plant-based diet in China: Testing health, environmental and animal welfare motivational messages. ***Sustainable Production and Consumption***. (Co-first author)
5. Li, X., Zhang, C., Yang, X., **Xia, Z.**, Cao, Z., Wang, P., ... & Chen, W. Q. (2025). Hybrid multi-stage steel footprinting unveils a more interdependent material foundation of the global economy. ***Ecological Economics***, 227, 108408.
6. Lee, C. C., Li, J., **Xia, Z.**, & Xie, L. (2025). Elderly population migration and urban energy consumption: Voluntary relocation or forced displacement? ***Energy Economics***, 108725.
7. Hu, B., Gao, J., Feng, Y., **Xia, Z.**, Wang, K., & Geng, L. (2025). Predicting adolescents' environmental action: From individual to national-level factors using an explainable machine learning approach. ***Journal of Environmental Management***, 390, 126398.
8. Hu, B., Wang, C., **Xia, Z.**, Lu, C., & Ju, X. (2025). Environmental education in low-income and middle-income countries: A systematic review and meta-analysis. ***Journal of Environmental Psychology***, 102613.
9. Cologna, V., Mede, N. G., …, **Xia, Z.**, … & Metag, J. (2025). Trust in scientists and their role in society across 68 countries. ***Nature Human Behaviour***, 9(4), 713–730.
10. Mede, N. G., Cologna, V., …, **Xia, Z.**, … & Metag, J. (2025). Perceptions of science, science communication, and climate change attitudes in 68 countries–the TISP dataset. ***Scientific Data***, 12(1), 114.
11. Yang, J., …, **Xia, Z.**, …, Bi, J. et al. (2025). Measuring climate change perception in China using mental images: A nationwide open-ended survey. ***Risk Analysis***.
12. Morrison, K., Pottier, …, **Xia, Z.**, ... & Nakagawa, S. (2025). MATES: A tool for appraising the completeness with which a meta-analysis has been reported. ***Environment International***, 109935.
13. Tian, X., Yuan, K., Wen, H., **Xia, Z.**, Peng, F., Men, D., ... & Liu, Y. (2025). IoT-based analysis reveals behavioral differences in public participation in low-value recyclables collection. ***Humanities and Social Sciences Communications***, 12(1), 1-15.

14. Zhong, Y., Yan, H., & **Xia, Z.** (2025). Who is lifting the green veil? Climate physical risks and supply chain spillovers of corporate carbon greenwashing. ***Technology in Society***, 103203.
15. Xu, D., Bai, T., …, **Xia, Z.**, …, Cui, Y. et al. (2024). Reassessing the climate mitigation potential of Chinese ecological restoration: the undiscovered potential of urban areas. ***The Innovation Geoscience***.
16. Gu, Y., **Xia, Z.**[#], Tian, X., Xie, J., & Liu, Y. (2024). Factors determining reuse behavior: A meta-analysis. ***Cleaner and Responsible Consumption***, 14, 100213. (Co-first author)
17. Fan, J. C., **Xia, Z.**, & Yang, X. (2024). Export stability and air pollution: evidence from 56 major exporting countries. ***Applied Economics Letters***, 1–5.
18. Yan, H., Li, Y., Zhong, Y., & **Xia, Z.** (2024). Will the 'government-court coordination' of corporate bankruptcy disposal improve ESG performance? Evidence from China. ***Applied Economics Letters***, 1–5.
19. Yang, X., Zhang, C., …, **Xia, Z.**, ... & Chen, W. Q. (2024). Multinational dynamic steel cycle analysis reveals sequential decoupling between material use and economic growth. ***Ecological Economics***, 217, 108092.
20. Xu, D., Bai, T., …, **Xia, Z.**, …, Ciais, P. (2024). Quantifying the Cooling Effect of Urban Greening Driven by Ecological Restoration Projects in China. ***Environmental Science & Technology***.
21. Tian, X., Ma, Q., Xie, J., **Xia, Z.**, & Liu, Y. (2024). Environmental impact and economic assessment of recycling lithium iron phosphate battery cathodes: Comparison of major processes in China. ***Resources, Conservation and Recycling***, 203, 107449.
22. Xie, J., Feng, Y., …, **Xia, Z.**, …, Li, N. (2024). Transparent and open-source aluminum life cycle inventory dataset for China. ***Resources, Conservation and Recycling***, 207, 107666.
23. **Xia, Z.**, Li, J., Gu, Y., …, Tian, X., & Zhang, C. (2023). Do Behavioral Interventions Enhance Waste Recycling Practices? Evidence from an extended meta-analysis. ***Journal of Cleaner Production***.
24. Zhang, S., **Xia, Z.**, Zhang, C., & Tian, X. (2023). Green Illusions in Self-Reporting? Reassessing the Intention-Behavior Gap in Waste Recycling Behaviors. ***Waste Management***. (Co-first author)
25. Xie, J., **Xia, Z.**, …, Tian, X. (2023). Nexus and synergy between the low-carbon economy and circular economy: A systematic review. ***Environmental Impact Assessment Review***.
26. Tian, X., …, **Xia, Z.** et al. (2023). Design and Simulation of a Cross-regional Collaborative Recycling System for Secondary Resources: A Case of Lead-acid Batteries. ***Journal of Environmental Management***.
27. **Xia, Z.*** (2022). Digital Interventions for A Sustainable Future. ***Nature Reviews Psychology***. (Commentary)
28. **Xia, Z.**, Ye, J., Chou, Y., …, Zhang, C. (2022). Meta-analysis of Climate Change Experience and Climate Change Perception. ***Environmental Research Communication***.
29. Tian, X.[#], **Xia, Z.**[#], …, Xu, M. (2022). A meta-analytical review of intervention experiments to reduce food waste. ***Environmental Research Letters***. (Co-first author)
30. Fan, J., Liu, G., **Xia, Z.** & Cai, S. (2022). A bibliometric analysis of climate change risk perception: Hot spots, trends and improvements. ***Frontiers in Environmental Science***.

31. **Xia, Z.**, Zhang, S., Tian, X., & Liu, Y. (2021). Understanding waste sorting behavior and key influencing factors through internet of things: Evidence from college student community. ***Resources, Conservation and Recycling***, 174, 105775.
32. **Xia, Z.**, & Liu, Y. (2021). Aiding pro-environmental behavior measurement by Internet of Things. ***Current Research in Behavioral Sciences***, 2, 100055.

Consortia co-author

33. Academics are accurate at predicting the effectiveness of climate action interventions for outcomes with more recent scientific investigation
34. Cologna, V., Meiler, S., Kropf, C. M., Lüthi, S., Mede, N. G., Bresch, D. N., ... & Linden, S. V. D. (2025). Extreme weather event attribution predicts climate policy support across the world. ***Nature Climate Change***, 1-11.
35. Public communication about science across 68 countries: Global evidence on how people get information and communicate about science-related matters

SERVICE

HANDLING EDITOR: PROCEED of *Environmental Evidence Journal*

China Climate Communication Initiative

AD HOC REVIEWER:

Behavior Research Methods
Cleaner and Responsible Consumption
Cleaner Environmental Systems
Cleaner Waste Systems
City and Environment Interactions
Current Research in Behavioral Sciences
Discover Sustainability
Ecological Economics
Environment, Development and Sustainability
Environmental Evidence
Environmental Research Communications
Environmental Research Letters
Frontiers in Earth Science
Frontiers in Environmental Science
Geography and Sustainability
Global Environmental Change
Journal of Cleaner Production
Journal of Environmental Management
Journal of Economic Psychology
npj Environmental Social Sciences
Nexus

Resources, Conservation & Recycling Advances
Resources, Conservation & Recycling
Scientific Reports
Travel Behaviour and Society

TEACHING EXPERIENCES

Guest lecturer, PHYS4802, The University of Sydney 2025
TA, Environmental System Science Summer School 2023
TA, Environmental System Science Summer School 2024
TA, Environmental System Science Summer School 2025

SOCIETY MEMBERSHIPS

The International Society for Industrial Ecology (ISIE)

The International Association of Applied Psychology (IAAP)

The American Psychological Association (APA)

Center for Open Science (COS) Ambassadors

SELECTED HONORS AND AWARDS

National Scholarships for Graduate Students	2023
Best Young Scientist Oral Presentation - Second Class @ IcRS 2023	2023
Runner-up Award of IAAP Early Career Marathon	2022
Outstanding student of The 2nd ESE Summer School: Data Science	2022
First-class / Second-class scholarship of Nanchang University	2019/2020
Contemporary Undergraduate Mathematical Contest in Modeling: First Prize	2020
International Youth Math Challenge: NO.1 Prize	2019
Asia and Pacific Mathematical Contest in Modeling: Second Prize	2019
National undergraduate market survey and Analysis Competition: First Prize	2020
Excellent college student volunteers of Red Cross Society	2019

TECHNICAL SKILLS

Programming languages: *R (Main), Python, Latex*

Co-author and maintainer: SECFC Package

Co-author and maintainer: LLMeta Package

Co-author and maintainer: LLMscreen Package

LANGUAGES

Chinese: Fluent

English: Proficient (IELTS Band 7.5)

Japanese: Elementary