CV

Ziqian Xia

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EDUCATION

Master of Management in Public Policy   Expected Spring 2025
Tongji University, Shanghai, China PR (Tongji)
GPA: 91.3 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: 86.43   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

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

Research Fellow in Behavioral Science   Nov 2023 – Now
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:

Xia, Z. (2022). Digital Interventions for A Sustainable Future. *Nature Reviews Psychology*. **(Click Here; Commentary)**

Xia, Z., Ye, J., Chou, Y., …, Zhang, C. (2022). Meta-analysis of Climate Change Experience and Climate Change Perception. *Environmental Research Communication*. **(Click Here)**

Tian, X., Xia, Z., …, Xu, M. (2022). A meta-analytical review of intervention experiments to reduce food waste. *Environmental Research Letters*. **(Co-first author, Click Here)**

D, Xu., T, Bai., …, Xia, Z., …, Cui, Y. et al. Reassessing the climate mitigation potential of Chinese ecological restoration: the undiscovered potential of urban areas. *The Innovation Geoscience* **(Click Here)**

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, Click Here)**

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. **(Click Here)**

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*. **(Click Here)**

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*. **(Click Here)**

Xia, Z., & Liu, Y. (2021). Aiding pro-environmental behavior measurement by Internet of Things. *Current Research in Behavioral Sciences*, 2, 100055. **(Click Here)**

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*. **(Click Here)**

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*. **(Click Here)**

Yang, J., …, Xia, Z., …, Bi, J. et al. Measuring climate change perception in China using mental images: A nationwide open-ended survey. *Risk Analysis*. **(Click Here)**

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. **(Click Here)**

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. **(Click Here)**

Fan, J. C., **Xia, Z.**, & Yang, X. (2024). Export stability and air pollution: evidence from 56 major exporting countries. ***Applied Economics Letters***, 1-5. (**Click [Here](#)**)

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. (**Click [Here](#)**)

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, Click [Here](#)**)

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. (**Click [Here](#)**)

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. (**Click [Here](#)**)

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***. (**Click [Here](#)**)

Paper in Progress:

Xia, Z., …, Zhang, C. et al. Growing climate change perception but rising regional disparities in China. (**Under review at *npj Climate Action***)

Xia, Z., …, Zhang, C. et al. Government efforts in environmental improvement unintentionally crowd out individual pro-environmental intentions. (**Submitted to *Ecological Economics***)

Xia, Z., Ye, J., Hu, B., Qiang, Q., & Debnath, R. (2024). LLMscreen: A Python Package for Systematic Review Screening of Scientific Texts Using Prompt Engineering. (**Submitted to *Research Synthesis Method***)

Big Science Project:

Co-author, *Trust in scientists and their role in society across 67 countries* (**Accepted at *Nature Human Behaviour*),** *Trust in Science and Science-Related Populism (TISP)*

Co-author, *Perceptions of science, science communication, and climate change attitudes in 67 countries: The TISP dataset* (**Accepted at *Scientific Data*),** *Trust in Science and Science-Related Populism (TISP)*

Consortia co-author, Academics are accurate at predicting the effectiveness of climate action interventions for outcomes with more recent scientific investigation

Co-author, *A Cross-Cultural Study of Everyday Moral Experiences, PSA-JTF1: Moral Experiences*

PSA-JTF2: Dignity Honor Face

PSA-JTF3: Error Correction

SERVICE

HANDLING EDITOR: PROCEED of *Environmental Evidence Journal*

China Climate Communication Initiative

AD HOC REVIEWER:

Global Environmental Change

Environmental Evidence

Journal of Cleaner Production

Cleaner Environmental Systems

Environment, Development and Sustainability

Resources, Conservation & Recycling Advances

Current Research in Behavioral Sciences

Frontiers in Earth Science

Scientific Reports

Discover Sustainability

Cleaner and Responsible Consumption

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**

* China's highest honor for outstanding graduate students.

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: Primary

REFERENCES

Prof. Dr. Ming XU
Professor, Dean of Research
School of Environment, Tsinghua University
E-mail: xu-ming@tsinghua.edu.cn

Prof. Dr. Verena Tiefenbeck
Juniorprofessur für Digitale Transformation
Friedrich-Alexander-Universität Erlangen-Nürnberg
E-mail: verena.tiefenbeck@fau.de

Prof. Dr. Chao Zhang
Professor
School of Economics and Management, Tongji University
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Prof. Dr. Ramit Debnath
Assistant Professor
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Prof. Dr. Claudia Nisa
Assistant Professor
Behavioral Science, Duke Kunshan University
E-mail: claudia.nisa@dukekunshan.edu.cn