

Ziqian Xia

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EDUCATION

Master of Management in Public Policy

Tongji University, Shanghai, China PR (Tongji)

GPA: 91.3 RANK: 1/22

Expected Summer 2024

Bachelor of Economics in Economic Statistics (Major)**Bachelor of Science in Applied Psychology (Minor)**

Nanchang University, Nanchang, China PR (NCU)

Affiliated to a highly selective school: Jiluan Academy

GPA: 86.43 RANK: 2/3

2018 - 2022

The Analysis Methods of Social Survey Data (Summer School)

Peking University, Beijing, China PR (PKU)

June 2020

Business and Culture Program (Exchange Program)

Waseda University, Tokyo, Japan (WU)

July 2019

LAB POSITIONS

Guest Researcher - DAAD Short-term Scholarship

Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany (FAU)

Digital Transformation: Bits to Energy Lab Nuremberg

Sep 2023 - Nov 2023

Research Interns - Mitacs Globalink Program

University of Winnipeg, Canada (UWinnipeg)

June 2021 - Sep 2021

Research Assistant - Chinese Academy of Sciences

Institute of soil and water conservation (ISWC), Chinese Academy of Sciences (CAS), China

June 2020 - Sep 2021

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, 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](#))

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](#))

Paper in Progress:

Xia, Z., ..., Zhang, C. et al. Growing climate change perception but rising regional disparities in China. **(Under revision at *Nature Communication*)**

D, Xu., T, Bai., ..., **Xia, Z.**, ..., Zhou, Y. et al. Urban greening effectively curbs warming in Chinese cities. **(Under review at *PNAS Nexus*)**

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

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

Tian, X., ..., **Xia, Z.**, ..., Xie, J. et al. Economic analysis of seven typical echelon utilization scenarios for retired lithium iron phosphate battery in China. **(Under review at *Applied Energy*)**

Li, X., ..., Xia, Z., ..., Chen, W. et al. Hybrid multi-stage steel footprinting unveils a more interdependent material foundation of the global economy. **(Under review at *Environmental Science & Technology*)**

Xie, J., ..., **Xia, Z.**, ..., Tian, X. et al. A Spiral Infinite-life-cycle Assessment Model for Measuring the Environmental Performance of Circular Economy Systems. **(Under review at *Science of the Total Environment*)**

Big Science Project:

Co-author, *Trust in scientists and their role in society across 67 countries* **(Under review 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* **(Under review 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, Manylabs

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*](#)

Founder, [*China Climate Communication Initiative*](#)

AD HOC REVIEWER:

Global Environmental Change

Environmental Evidence

Cleaner Environmental Systems

Environment, Development and Sustainability

Resources, Conservation & Recycling Advances

Current Research in Behavioral Sciences

Frontiers in Earth Science

SOCIETY MEMBERSHIPS

The International Society for Industrial Ecology (ISIE)

The International Association of Applied Psychology (IAAP)

The Society for Personality and Social Psychology (SPSP)

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*

LANGUAGES

Chinese: Fluent

English: Proficient (IELTS Band 7.5)

Japanese: Primary

REFERENCES

Prof. Dr. Ming XU

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School of Environment, Tsinghua University

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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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