Xiang Zheng 🔊 *"Shee-ahng Jeng"*

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AREAS OF SPECIALIZATION

Computational Social Science; Science of Science; Data Science; Machine Learning

EDUCATION

Ph.D. in Information   Sept 2021 - May 2026 (expected)
Information School, University of Wisconsin-Madison, United States
Core student member of the *Metascience Research Lab*

M.S. in Computer Sciences   Dec 2023 - Dec 2024
Computer Sciences, University of Wisconsin-Madison, United States

M.A. in Education   Aug 2018 - July 2021
School of Education, Tsinghua University, China

Bachelor of Management; Bachelor of Arts (dual degree)   Aug 2014 - July 2018
Tsinghua University, China

Direct Enrollment Education Program   Oct 2016 - March 2017
Tohoku University, Japan

PUBLICATIONS

Peer-reviewed Journal Articles

⋆ indicates equal contribution

[J1] Salsabil Arabi, **Xiang Zheng**, B. Ian Hutchins, and Chaoqun Ni. "Equity in Science Journalism: Investigating Gender Disparities in News Media Coverage of Scientific Research". *Science Communication*, 2025. DOI: 10.1177/10755470251360187
  • Featured in **Science**.

[J2] Kai Li, **Xiang Zheng**, and Chaoqun Ni. "Gender Disparities in the STEM Research Enterprise in China". *Humanities and Social Sciences Communications* 12: 1, 2025. P. 800. DOI: 10.1057/s41599-025-05028-y.

[J3] ⋆Giorgio Tripodi, ⋆**Xiang Zheng**, ⋆Yifan Qian, Dakota Murray, Benjamin F. Jones, Chaoqun Ni, and Dashun Wang. "Tenure and Research Trajectories". *Proceedings of the National Academy of Sciences* 122: 30, 2025. e2500322122. DOI: 10.1073/pnas.2500322122
  • Covered by **Nature, Forbes, Inside Higher Ed**, etc.

[J4] **Xiang Zheng** and Chaoqun Ni. "Dissecting the Global Peer Review Ecosystem: Skewness, Homophily, and Diversity Dynamics". *Quantitative Science Studies* 6, 2025. Pp. 463–482. DOI: 10.1162/qss_a_00358.

[J5] **Xiang Zheng**, Qiyao Yang, Jai Potnuri, Chaoqun Ni, and B Ian Hutchins. "Comparing the Outputs of Intramural and Extramural Grants Funded by National Institutes of Health". *eLife* 14, 2025. RP108929. DOI: 10.7554/elife.108929.1.

[J6] ⋆Kai Li, ⋆**Xiang Zheng**, and Chaoqun Ni. "The Anglicization of Science in China". *Research Evaluation* 33, 2024. rvae036. DOI: 10.1093/reseval/rvae036.

[J7] **Xiang Zheng** and Chaoqun Ni. "The Significant yet Short-Term Influence of Research Covidization on Journal Citation Metrics". *Journal of the Association for Information Science and Technology* 75: 9, 2024. Pp. 1002–1017. DOI: 10.1002/asi.24939.

[J8] **Xiang Zheng**, Erjia Yan, and Chaoqun Ni. "Faculty Mobility and Research Dynamics at Historically Black Colleges and Universities". *Quantitative Science Studies*, 2024. Pp. 1–42. DOI: 10.1162/qss_a_00334.

[J9] **Zheng, Xiang**, Wenhui Zhou, Chaoqun Ni, and Chuanyi Wang. "The Influencing Mechanism of Research Training on Chinese STEM Ph.D. Students' Career Interests". *Asia Pacific Education Review* 25: 4, 2024. Pp. 733–749. DOI: 10.1007/s12564-022-09775-4.

[J10] **Xiang Zheng**, Jiajing Chen, Alison Tollas, and Chaoqun Ni. "The Effectiveness of Peer Review in Identifying Issues Leading to Retractions". *Journal of Informetrics* 17: 3, 2023. P. 101423. DOI: 10.1016/j.joi.2023.101423
    •. Featured by **Retraction Watch**.

[J11] **Xiang Zheng**, Jiajing Chen, Erjia Yan, and Chaoqun Ni. "Gender and Country Biases in Wikipedia Citations to Scholarly Publications". *Journal of the Association for Information Science and Technology* 74: 2, 2023. Pp. 219–233. DOI: 10.1002/asi.24723
    •. Highlighted as **2022 Top Downloaded Paper in *JASIST***.

[J12] **Xiang Zheng**, Shreyas Vastrad, Jibo He, and Chaoqun Ni. "Contextualizing Gender Disparities in Online Teaching Evaluations for Professors". *PLOS ONE* 18: 3, 2023. e0282704. DOI: 10.1371/journal.pone.0282704.

[J13] Jibo He, **Xiang Zheng**, Mingchun Liu, Yu Du, Guanglin Liu, Jingmeng Cui, and Yanjie Su. "Reciprocity in College Teaching: A Big Data Study Based on Online Student Evaluation of 919,750 Professors". *Assessment & Evaluation in Higher Education* 47: 8, 2022. Pp. 1401–1415. DOI: 10.1080/02602938.2022.2067980.

[J14] Xi Hong, Fei Guo, **Xiang Zheng**, and Hamish Coates. "The Meaning of Doctoral Education Quality and Its Evolution". *Modern Education Management*: 04, 2022. Pp. 119–128. DOI: 10.16697/j.1674-5485.2022.04.014.

[J15] **Xiang Zheng**, Haimiao Yuan, and Chaoqun Ni. "Meta-Research: How Parenthood Contributes to Gender Gaps in Academia". *eLife* 11, 2022. e78909. DOI: 10.7554/eLife.78909
    •. Covered by ***Chemistry World, Women In Academia Report***, etc.

[J16] Jinyuan Ma, Fan Jiang, Liujian Gu, **Xiang Zheng**, Xiao Lin, and Chuanyi Wang. "Patterns of the Network of Cross-Border University Research Collaboration in the Guangdong-Hong Kong-Macau Greater Bay Area". *Sustainability* 12: 17, 2020. P. 6846. DOI: 10.3390/su12176846.

[J17] Chuanyi Wang, **Xiang Zheng**, Yu Zhang, Guannan Yao, and Shining Kang. "Implementation and Diffusion of Online Higher Education Policies —A Case Study on Tsinghua University". *Tsinghua Journal of Education* 41: 04, 2020. Pp. 47–59. DOI: 10.14138/j.1001-4519.2020.04.004713.

[J18] Chuanyi Wang, **Xiang Zheng**, and Jiale Yang. "A Comparative Study on the Development of Postgraduate Education in the Discipline of Education from the Year 2000: Based on the Diachronic Analysis of 8 Countries". *China Higher Education Research*: 07, 2019. Pp. 85–91. DOI: 10.16298/j.cnki.1004-3667.2019.07.13.

[J19] Chuanyi Wang, Jiale Yang, and **Xiang Zheng**. "The Development of Education Discipline in China from the Perspective of SWOT". *Modern Education Management*: 03, 2019. Pp. 1–6. DOI: 10.16697/j.cnki.xdjygl.2019.03.001.

Book Chapters

[C1] **Xiang Zheng**. "Educational Modernization in Japan". In: Huiqin Liu. *International Comparison of Educational Modernization*. Beijing: People's Education Press, In press.

[C2] Blaise Cronin and Cassidy R Sugimoto, eds. *Beyond Bibliometrics: Harnessing Multidimensional Indicators of Scholarly Impact (Chinese ver.)* Trans. by **Xiang Zheng**, Chuanyi Wang, and Han Chu. Beijing: China Science and Technology Press, 2023.

[C3] Chuanyi Wang and **Xiang Zheng**. "Enacting Collective and Inquiry-Based Leadership". In: *A Turning Point for Chinese Higher Education*. Routledge, 2022. ISBN: 978-1-00-325775-2. DOI: https://doi.org/10.4324/9781003257752.

Preprints and Manuscripts Under Review

[M1] Xi Hong, **Xiang Zheng**, Haimiao Yuan, and Chaoqun Ni. *Parenthood Penalties in Academia: Childcare Responsibilities, Gender Role Beliefs and Institutional Support*. Apr. 11, 2025. DOI: 10.48550/arXiv.2504.13923.

[M2] **Xiang Zheng**, Anli Peng, Xi Hong, and Chaoqun Ni. *Interdisciplinary PhDs Face Barriers to Top University Placement within Their Disciplines*. Mar. 27, 2025. DOI: 10.48550/arXiv.2503.21912. (Under review in *Nature Communications*).

[M3] Kyrie Zhixuan Zhou, Justin Eric Chen, **Xiang Zheng**, Yaoyao Qian, Yunpeng Xiao, and Kai Shu. *"Everyone Else Does It": The Rise of Preprinting Culture in Computing Disciplines*. Nov. 6, 2025. DOI: 10.48550/arXiv.2511.04081.

CONFERENCE ACTIVITIES

Refereed Oral Presentations

[O1] "Equity in Science Journalism: Investigating Gender Disparities in News Media Coverage of Scientific Research". ATLC 2025: Atlanta Conference on Science and Innovation Policy, Atlanta, United States, 2025.

[O2] "Equity in Science Journalism: Investigating Gender Disparities in News Media Coverage of Scientific Research". IC2S2 2025: International Conference on Computational Social Science, Norrköping, Sweden, 2025.

[O3] "Interdisciplinary PhDs Face Barriers to Top University Placement within Their Disciplines". ATLC 2025: Atlanta Conference on Science and Innovation Policy, Atlanta, United States, 2025.

[O4] "Interdisciplinary PhDs Face Barriers to Top University Placement within Their Disciplines". IC2S2 2025: International Conference on Computational Social Science, Norrköping, Sweden, 2025.

[O5] "Parenthood Penalties in Academia: Childcare Responsibilities, Gender Role Beliefs and Institutional Support". IC2S2 2025: International Conference on Computational Social Science, Norrköping, Sweden, 2025.

[O6] "Contextualizing Gender Disparities in Online Teaching Evaluations for Professors". IC2S2 2024: International Conference for Computational Social Science, Philadelphia, United States. 2024.

[O7] "Tenure and Research Trajectories". IC2S2 2024: International Conference for Computational Social Science, Philadelphia, United States. 2024.

[O8] "Skewness and Homophily in the Global Peer Review Network". ISSI 2023: International Society for Scientometrics and Informetrics, Bloomington, Indiana, United States, 2023.

[O9] "The anglicization of Science in China". ISSI 2023: International Society for Scientometrics and Informetrics, Bloomington, Indiana, United States, 2023.

[O10] "The Effectiveness of Peer Review in Identifying Issues Leading to Retractions". STI 2023: the 27th International Conference on Science, Technology and Innovation Indicators, Leiden, Netherlands, 2023.

[O11] "The Significant yet Short-Term Influence of Research Covidization on Journal Citation Metrics". ICSSI 2023: the International Conference on the Science of Science & Innovation, Evanston, Illinois, United States, 2023.

[O12] "How Parenthood Contributes to Gender Gaps in Academia". ICSSI 2022: the International Conference on the Science of Science & Innovation, Washington, D.C., United States, 2022.

[O13] "Understanding Gender Disparity in Publication by Scientists' Work-family Conflict, Social Support, and Gender Role Belief". CIES 2022: Comparative & International Education Society annual conference, Minneapolis, Minnesota, United States, 2022.

Refereed Posters

[P1] "Evaluating the Language Style of AI-Generated Peer Review". iConference 2025, Bloomington, United States, 2025 **(Best Poster Finalist)**.

[P2] "Analysis of the Comparative Strengths of Intramural and Extramural Grant Funding Mechanisms". ICSSI 2024: the International Conference on the Science of Science & Innovation, Washington, D.C., United States, 2024.

[P3] "The Tenure Debate: How US Faculty Change Their Research Practices Post-Tenure". iConference 2024, Changchun, China, 2024.

[P4] "Gender Disparities in the Stem Research Enterprise of China". ICSSI 2023: the International Conference on the Science of Science & Innovation, Evanston, Illinois, United States, 2023.

Panels Organized

Program Committee member

Wiki Workshop 2025	May 2025, 2026
ATLC 2025: Atlanta Conference on Science and Innovation Policy	Dec 2024

Chair

AI in Education Session, IC2S2 2024	July 2024

INVITED TALKS

Tenure and Research Trajectories (Virtual, Forthcoming December 2025). Institute for Humane Studies (IHS) December Graduate Conference, George Mason University, United States.

Data Visualization using Tableau and Python (2025). Information School, University of Wisconsin-Madison, United States.

Tenure and Research Trajectories in the US (2024). Department of Statistics and Data Science, Southern University of Science and Technology, China.

Tenure and Research Trajectories in the US (2024). Academic Analytics Research Center Webinar Series (virtual).

Exploring the impact of tenure on research performance, innovation, and collaboration (2024). The 5th annual Research Bazaar, University of Wisconsin-Madison, United States.

Frontiers in Teaching Evaluation and Research Evaluation Based on Scientific Metrics (2023). Institute of Education, Tsinghua University, China.

AWARDS AND HONORS

Best Poster Finalist   March 2025
iConference 2025, Indiana University Bloomington

Humane Studies Fellowship ($5000)   Dec 2024
Institute for Humane Studies at George Mason University

Travel Funding Award ($600)   June 2023, July 2024
ICSSI 2023, ICSSI 2024: the International Conference on the Science of Science & Innovation

Student Research Grants Competition Award ($600)   May 2023
University of Wisconsin-Madison

Outstanding Student Cadre   Jan 2021
Tsinghua University

Outstanding Counselor Prize   Dec 2020
Tsinghua University

1st Prize in Comprehensive Excellent Scholarship   Dec 2019
Tsinghua University

TEACHING EXPERIENCE

Lecturer in iSchool

LIS 407 Data Storytelling with Visualization   Summer 2024 - Spring 2026 (6 semesters)
Information School, University of Wisconsin-Madison.

Teaching Assistant

LIS 351 Introduction to Digital Information   Spring 2022
Information School, University of Wisconsin-Madison. Instructor: Corey Jackson
LIS 706 Data Mining Planning and Management   Fall 2021
Information School, University of Wisconsin-Madison. Instructor: Ian Hutchins

Mentoring

Baolu Yu, Information PhD. Topic: scientific mobility.
Salsabil Arabi, Information PhD. Topic: Bias in news media.
Shreyas Vastrad, Information MS. Topic: NLP analysis.
Xiaopeng Yuan, Information MS. Topic: Race prediction by machine learning.
Jiajing Chen, CS MS at New York University. Topic: peer review bias.
Qiyao Yang, CS undergraduate. Topic: research funding efficiency.
Peiran Li, CS undergraduate. Topic: Miscitation identification using LLM.

SERVICE TO PROFESSION

Journal Manuscript Review

Scientific Data	2025 -
Economies	2025 -
Information Processing and Management	2025 -
Genealogy	2025 -
Psychology of Language and Communication	2025 -
Journal of the Association for Information Science and Technology (JASIST)	2024 -
Education Sciences	2024 -
Social Currents	2024 -
PloS One	2024 -
MedEdPublish	2024 -
Journal of Accounting Literature	2024 -
Trend in Higher Education	2024 -
Sustainability	2023 -
Frontiers in Research Metrics and Analytics	2023 -
Journal of Crisis Intervention and Suicide Prevention	2023 -
Humanities & Social Sciences Communications	2022 -
Journal of Information Science	2022 -
Publications	2022 -
International Journal of Chinese Education	2022 -
Teaching of Psychology	2021 -

Conference Manuscript Review

Wiki Workshop	2025-2026
International Conference for Computational Social Science (IC2S2)	2025
Atlanta Conference on Science and Innovation Policy (ATLC)	2024
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2024	
International Conference on Science, Technology and Innovation Indicators (STI)	2023
Comparative & International Education Society annual conference (CIES)	2023