

Yiling Lin

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130 North Bellefield Avenue, Pittsburgh, PA 15260

WORKING EXPERIENCE

University of Pittsburgh

2021 Sep - Present

Graduate Research Assistant, School of Computing and Information

Projects: Nature of Scientific Progress, Significance of Remote Work, Interdisciplinary Scientific Collaboration.

University of Chicago

2019 Nov - 2021 Jun

Graduate Research Assistant, Department of Sociology

Project: New Directions in Science.

EDUCATION

PhD - Information Science

2021 - Present

University of Pittsburgh

MA - Computational Social Sciences

2019 - 2021

University of Chicago

BA - Management Science

2014 - 2018

Beijing Normal University

JOURNAL ARTICLES

Lin, Y., Li, L., & Wu, L. (2025). Team size and its negative impact on the disruption index. *Journal of Informetrics*, 19(3), 101678.

Disruptive innovation takes a decade to be recognized, so short citation windows undervalue small teams.

Lin, Y., Frey, C. B., & Wu, L. (2023). Remote Collaboration Fuses Fewer Breakthrough Ideas. *Nature*, 623(7989), 987-991.

Remote teams fuse less breakthrough ideas than onsite teams.

Lin, Y., Evans, J. A., & Wu, L. (2022). New Directions in Science Emerge from Disconnection and Discord. *Journal of Informetrics*, 16(1), 101234.

Disruptive papers are "sleeping beauties," accumulating impact over the long run.

WORKING PAPERS

Lin, Y., Li, L., & Wu, L. (2025). The disruption index measures displacement between a paper and its most cited reference

A paper's disruptive level depends not on the length of its references, but on the dominance of the core idea it challenges.

Li, L., **Lin, Y.**, & Wu, L. (2025). Innovation by Displacement

Scientific breakthroughs stem from displacing dominant knowledge, rather than simply recombining distant ideas.

Risha, Z., **Lin, Y.**, Leahey, E., & Wu, L. (2025). The Death of Renaissance Scientists
The decline of generalists has led to innovation losses unmatched by specialist teams.

Cui, H., **Lin, Y.**, Wu, L., & Evans, J. A. (2025). The Nostalgia Effect in Science
Disruptive creativity declines with scientists' academic age.

TALKS

- 06/2025 Speaker, Copenhagen Center for Social Data Science, University of Copenhagen
- 06/2025 International Conference on the Science of Science & Innovation (**ICSSI**), University of Copenhagen
- 05/2025 Expert Commentary, Science
- 09/2024 Speaker, School of Economics and Management, University of Electronic Science and Technology of China
- 07/2024 International Conference on the Science of Science & Innovation (**ICSSI**), Washington, DC
- 05/2024 Speaker, Northwestern Institute on Complex Systems (NICO), Northwestern University
- 02/2024 Speaker, Department of Information Science, Cornell University
- 01/2024 Speaker, The Computational Culture Lab, Stanford and Berkeley
- 12/2023 Speaker, Department of Statistics and Data Science, Southern University of Science and Technology
- 09/2023 Speaker, School of International and Public Affairs, Shanghai Jiao Tong University
- 06/2023 International Conference on the Science of Science & Innovation (**ICSSI**), Northwestern University
- 06/2022 International Conference on the Science of Science & Innovation (**ICSSI**), Washington, DC
- 03/2022 Women in Data Science (**WIDS**), Boston (online)
- 07/2021 International Conference on Computational Social Science (**IC²S²**), ETH (online)
- 10/2021 Workshop on Natural Language Processing for Scientific Text (**SciNLP**), Irvine (online)
- 07/2021 Speaker, Department of Information Management, Peking University.
- 06/2021 Seminar, the Annual Interdisciplinary Graduate Conference, MAPSS and MACSS, University of Chicago.
- 03/2021 Speaker, Institute for Software Research, Carnegie Mellon University.
- 11/2020 Speaker, School of Information, University of Texas at Austin.
- 11/2020 Speaker, Department of Communication, Michigan State University.
- 08/2020 Invited speaker, Swarma Club-Kaifeng Academic Meeting.

ACADEMIC SERVICE

Organizer

- Workshop of The Science of Team Science and Innovation, PittCSS, Pittsburgh, 2022

Reviewer

- Nature, PNAS, Nature Human Behaviour, PLOS One, Humanities and Social Sciences Communications, Frontiers in Big Data, EPJ Data Science, Physical Review X, Applied Network Science, Scientific Reports, Aslib Journal of Information Management, Journal of Informetrics.

Teaching**Instructor**

- Information Visualization, INFSCI 1520, University of Pittsburgh, Spring 2025.

Mentoring

- Vikram Nagarajan (Undergraduate at the University of Maryland)

SKILLS

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KNOWLEDGE***Languages:*** English-proficient, Mandarin-native.***Methodology:*** Network Science, Natural language processing.***Programming Languages:*** Python, Stata, Matlab, Sql, Processing.