

Zhentao Liang, PhD

School of Information Management, Wuhan University,
Wuhan 430072, Hubei Province, China

E-mail: liangzht5@whu.edu.cn

ORCID: 0000-0003-2927-3523

Mobile: +86 18675715142

RESEARCH INTERESTS	Knowledge diffusion; Scholarly communication; Interdisciplinary research; Quantitative science studies; Scientometrics
---------------------------	--

ACADEMIC POSITION	<i>Postdoctoral Researcher</i>	2025 - Present
	School of Information Management Wuhan University , Wuhan, China	

EDUCATION	<i>Ph.D. in Information Science</i>	2020 - 2024
	School of Information Management Wuhan University , Wuhan, China	

	<i>Visiting Ph.D. student</i>	2022 - 2023
	Centre for Science and Technology Studies Leiden University , Leiden, Netherlands	

	<i>Master's Degree in Information Science</i>	2018 - 2020
	School of Information Management Wuhan University , Wuhan, China	

	<i>Bachelor's Degree in Management</i>	2014 - 2018
	School of Information Management Sun Yat-sen University , Guangzhou, China	

PUBLICATIONS **Peer-reviewed journal articles**

[J12] **Liang, Z.**, Ba, Z.*, Mao, J., Li, G. (2023) Research complexity increases with scientists' academic age: Evidence from library and information science. *Journal of Informetrics*, 17(1), 101375.

[J11] **Liang, Z.**, Mao, J.*, Li, G. (2023) Bias against scientific novelty: A pre-publication perspective. *Journal of the Association for Information Science and Technology*, 74(1), 99-114.

[J10] Wang, S., Ma, Y.*, Mao, J.*, Bai, Y., **Liang, Z.**, & Li, G. (2023) Quantifying scientific breakthroughs by a novel disruption indicator based on knowledge entities. *Journal of the Association for Information Science and*

Technology, 74(2), 150-167.

[J9] Gao, Q., Huang, X.*, Dong, K., **Liang, Z.**, & Wu, J. (2022). Semantic-enhanced topic evolution analysis: a combination of the dynamic topic model and word2vec. *Scientometrics*, 127(3), 1543-1563.

[J8] **Liang, Z.**, Mao, J.*, Lu, K., & Li, G. (2021). Finding citations for PubMed: a large-scale comparison between five freely available bibliographic data sources. *Scientometrics*, 126(12), 9519-9542.

[J7] **Liang, Z.**, Mao, J.*, Lu, K., Ba, Z., & Li, G. (2021). Combining deep neural network and bibliometric indicator for emerging research topic prediction. *Information Processing & Management*, 58(5), 102611.

[J6] Ba, Z., Mao, J., Ma, Y.*, & **Liang, Z.** (2021). Exploring the effect of city-level collaboration and knowledge networks on innovation: Evidence from energy conservation field. *Journal of Informetrics*, 15(3), 101198.

[J5] Gao, Q., **Liang, Z.**, Wang, P., Hou, J., Chen, X., Liu, M. (2021). Potential index: Revealing the future impact of research topics based on current knowledge networks. *Journal of Informetrics*, 15(3), 101165

[J4] Ba, Z. & **Liang, Z.*** (2021). A novel approach to measuring science-technology linkage: From the perspective of knowledge network coupling. *Journal of Informetrics*, 15(3), 101167. (*corresponding author)

[J3] Mao, J., **Liang, Z.***, Cao, Y., & Li, G. (2020). Quantifying cross-disciplinary knowledge flow from the perspective of content: Introducing an approach based on knowledge memes. *Journal of Informetrics*, 14(4), 101092. (*corresponding author)

[J2] **Liang, Z.**, Mao, J.*, Cao, Y., & Li, G. (2020). Knowledge diffusion pattern analysis based on knowledge meme cascade networks. *Information Studies: Theory & Application*, 43(4), 39-46. (in Chinese)

[J1] **Liang, Z.**, Ba, Z., & Xu, J.* (2019). Development path of interdisciplinary field based on citation analysis: A case study of eye-tracking. *Library and Information Service*, 63(23), 65-78. (in Chinese)

Refereed conference papers

[C2] **Liang, Z.**, Liu, F., Mao, J., & Lu, K.* (2021). A knowledge representation model for studying knowledge creation, usage, and evolution. In *iConference 2021*. (full paper, finalists for the Lee Dirks Award for Best

Full Research Paper)

[C1] **Liang, Z.**, Mao, J.*, Cao, Y., & Li, G. (2019). Idea diffusion patterns: SNA on knowledge meme cascade network. In *17th International Conference on Scientometrics and Informetrics*. (poster).

AWARDS

The First Prize of Academic Innovation Award (top 1%) 2023
Wuhan University

The First Prize Scholarship (top 5%) 2019, 2021
Wuhan University

Outstanding Student (top 5%) 2019
Wuhan University

Graduation with Distinction (top 5%) 2018
Sun Yat-sen University

2023

SERVICE

Reviewer

- Journal of the Association for Information Science and Technology
- Quantitative Science Studies
- Scientometrics
- Artificial Intelligence Review
- Scientific Reports
- Cluster Computing
- The Journal of Supercomputing
- International Journal on Digital Libraries
- Frontiers in Research Metrics and Analytics