Qiuhan ZHAO

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Technology Management for Innovation, University of Tokyo
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RESEARCH INTERESTS

Innovation Management, Intellectual Property Management, NLP& LLMs and Patent Analysis, Innovation Economic Geography, Green Innovation

EDUCATION

University of Tokyo   Tokyo, Japan

Ph.D in Technology Management, School of Engineering   *2022.04 – 2025.03*
Supervisor: Prof. Kazuyuki MOTOHASHI
Thesis：Semantic Change-Driven Patent Innovation Measurement: Integrating Content and Citation Network Indicators and Its Empirical Study on Market Value

Beijing University of Posts and Telecommunications   Beijing，China

M.S.& B.E. in Computer Science, School of Cyberspace Security   *2013.09 – 2020.06*

PUBLICATION

* As the corresponding author

1. **Zhao, Q.**, Wu, W., Ge, Y., & Xu, J. (2025). Can intellectual property protection policy enhance enterprise innovation capability? Quasi-natural experimental study. ***International Review of Financial Analysis*** (**SSCI, JCR Q1, ABS3**).

2. **Zhao, Q.***, Fan, L., Chen, H., Yang, Y., & Wang, Z. (2025). Green innovation and carbon emission reduction: Empirical insights from spatial durbin and dynamic threshold models. ***International Review of Financial Analysis*** (**SSCI, JCR Q1, ABS3**).

3. **Zhao, Q.***, & Fan, L. (2025). The triple power play: Green finance, green innovation, and renewable energy in transforming China＇s carbon footprint. ***Applied Economics Letters*** (**SSCI, JCR Q3, ABS1**).

4. Liu, X., & **Zhao, Q.*** (2024). Banking competition, credit financing and the efficiency of corporate technology innovation. ***International Review of Financial Analysis*** (**SSCI, JCR Q1, ABS3**).

5. Teng, Z., Guo, C., **Zhao, Q.***, & Mubarik, M. S. (2023). Antecedents of green process innovation adoption: An AHP analysis of China＇s gas sector. ***Resources Policy*** (**ABS2**).

6. Yang, Y., Wei, L., Fan, L., & **Zhao, Q.*** (2025). Charting the path to consumer satisfaction: An innovative investigation into fresh e-commerce through text mining and spatiotemporal analysis. ***E+M Ekonomie a Management*** (**SSCI, JCR Q3**).

7. Yang, W., Hua, R., & **Zhao, Q.*** (2021). A sequence-to-sequence traffic predictor on software-defined networking. ***International Journal of Web and Grid Services*** (**SCI, JCR Q3**).

8. **Zhao, Q.**, Yang, W., & Hua, R. (2019). Design and research of composite web page classification network based on deep learning. ***2019 IEEE 31st International Conference on Tools with Artificial Intelligence (ICTAI)*** (**EI, CCF-C**).

9. Chen, H., & **Zhao, Q.*** (2025). Exploring the voice of inbound tourists: A study on the perceived image of ethnic-minority village tourism with impact on satisfaction. ***Journal of Quality Assurance in Hospitality & Tourism*** (**ESCI, ABS1**).

WORKING PAPER

1. Motohashi, K., & **Zhao, Q.*** (2023). University as a knowledge source of innovation: A spatial analysis of the impact on local high-tech startup creation (RIETI Discussion Paper No. 23-E027). Research Institute of Economy, Trade and Industry (**Accepted in AOM-2025**).

2. **Zhao, Q.***, & Motohashi, K. (2025). Tracking semantic changes with contextual embeddings: A simple, stable, and interpretable method. Under review in the ***28th European Conference on Artificial Intelligence (ECAI-2025)*** (**CCF-B**).

3. Yang, Y., & **Zhao, Q.** * (2025). Recommended, purchased, disappointed? Exploring the divergent effects of algorithmic product recommendations on sales and satisfaction. Under review in *Applied Economics*.

4. **Zhao, Q.** *, & Motohashi, K. (2025). Identifying the creation and impact of new technologies based on semantic change detection and diachronic word embedding (Manuscript in preparation).

INTERN &
PROJECT

Research Institute of Economy, Trade and Industry (RIETI)   *2022.09 – 2025.03*
Research Assistant

· Research on the Economic Social Impact of Public Research Institute Reforms (2024)
· Green Innovation in Emerging Asian Economies (2023)
· Intellectual Property Systems of Technological Catching-up: Comparison of China, India and Thailand (2022)

Beijing Academy of Science and Technology   *2017.09 – 2019.04*
Research Assistant

· Disciplinary Knowledge Convergence and New Discipline Prediction System (2019)
· Scoring and Recommendation System for Frontier Scientific and Technological Literature (2018)
· Design and Research on New Knowledge Discovery System for Disciplinary Disciplines (2018)
· Extraction of Textual Viewpoints and Management System for Chinese Internet (2017)

China Information Technology Security Evaluation Center   *2017.01 – 2017.10*

OTHER

Program C, Java, Python, Javascript, R
Tool Git, Adobe Illustrator, Prezi, Matlab, LATEX, ArcGis
Language Chinese, English (GRE 336), Japanese
Reviewer *Technological Forecasting and Social Change* (JCR Q1, ABS3), *Humanities and Social Sciences Communications* (JCR Q1), *PLOS ONE* (JCR Q1), *International Review of Financial Analysis* (JCR Q1, ABS3), *Financial Innovation* (JCR Q1, ABS2), *Heliyon* (JCR Q1), *Asia Pacific Journal of Marketing and Logistics* (JCR Q1, ABS1), *Applied Economics Letters* (JCR Q3, ABS1), *AOM Annual Meeting*