

Wenjing Zhu

School of Information Management
Nanjing University
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Education

Nanjing University <i>Master of Management in Information Science</i>	Nanjing, China <i>Sep 2020-Present</i>
<ul style="list-style-type: none"> GPA: 4.48 / 5.00 (Top 5/85) Awards and Honours: China National Scholarship (Top 1.37%) 2022 Outstanding Student (Top 1.26%) 2022 First Class Academic Award 2022 First Class Academic Award 2021 Second Class Academic Award 2020 	
Anhui Agricultural University <i>Bachelor of Economics in Finance</i>	Hefei, China <i>Sep 2015-Jul 2019</i>
<ul style="list-style-type: none"> GPA: 4.31 / 5.00 Awards and Honours: Advanced individual in spiritual civilisation 2018 School Scholarship 2017 	

Publications

Published

- Wenjing Zhu**, Bohong Ma & Lele Kang. (2022). Technology Convergence among Various Technical Fields: Improvement of Entropy Estimation in Patent Analysis. *Scientometrics*, 1-20.
URL: <https://link.springer.com/article/10.1007/s11192-022-04557-6>
- Wenjing Zhu**, Bohong Ma & Lele Kang. (2021). The Trend of Technological Convergence Based on Patent Analysis. In *18th International Conference on Scientometrics & Informetrics (ICSI)*
URL: <https://www.webofscience.com/wos/alldb/full-record/WOS:000709638700152>

Paper in Preparation

- Wenjing Zhu**, Bohong Ma & Lele Kang. How Leader's and Member's Experiences Influence Technological Innovation in Multi-cooperation Teams, to be submitted to *Research Policy*.
- Bohong Ma, **Wenjing Zhu**, Xinhui Liu & Lele Kang. Knowledge Redundancy and Innovation Performance in Global Innovation Communities: The Moderating Role of Knowledge Complementarity, to be submitted to *Technological Forecasting and Social Change*.

Research Interests and Skills

- Research Interests:** Strategic Management, Knowledge Management, Management of Technological Innovation, Information System
- Including areas in:**
The Role of Star Inventor in Team Innovation
The Trend of Technology Convergence in Patent Analysis
Disruptive Innovation and Incremental Innovation
- Techniques:** Econometrics models; Social Network; Eagle Network
- Programming Languages:** SQL; R; Python; EViews; SPSS; Stata

Research Projects

How Leaders' and Members' Experiences Influence Technological Innovation in Multi-cooperation Teams

2021-Present

Project Brief:

- The research project aims to explore the impact of star scientists' experience on team innovation focusing on two team positions: team leader and member
- Sample of star scientists from 9 pharmaceutical companies in Fortune Global 500
- Dataset: PATSTAT 2020B
- One paper is in preparation

Technology Convergence with Entropy Estimation in Patent Analysis

2020-Present

Project Brief:

- First part measured innovation trends in technology convergence using Shannon entropy of panel data and introduced concepts of complementary and substitutability technology convergence
- Second part identified limitations of Shannon entropy in measuring technology convergence innovation at time series level, and combined Tsallis and Renyi entropies as improvement
- Dataset: PATSTAT 2020A
- The output of the project includes: (1) ICSI 2021 paper, (2) **SCIM** paper (ABS 2)

Academic Service

Conference Paper Reviewer

International Conference on Machine Learning and Intelligent System (MLIS)

Feb 2023-Present

Teaching Assistant for Undergraduate Modules

Information Metrics and Information Retrieval course

Sep 2020-Jan 2021

Data Science and Data Analytics

Feb 2022-July 2022

Internship

RSM China.

Assistant Auditor, Audit Department

Hefei, China

Feb 2019-May 2019

Fanchang Rural Commercial Bank Co., Ltd.

Customer Manager Assistant, Sales Department

Wuhu, China

Nov 2018-Feb 2019

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