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✉️ Google Scholar RG ResearchGate SC Scopus W Web of Science

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RESEARCH INTEREST

Complex Network; Computational Politics; Climate Change and Environmental Economics; Mathematical Statistics

EDUCATION

Sept. 2024 –

Ph.D.-student of Politics

in **Shanghai Jiao Tong University**, School of International and Public Affairs.
Research Area: Global Governance, Quantitative Politics, Complex Network.

Sept. 2021 – Jun. 2023

Master of International Business

in **Shanghai international Studies University**, School of Finance and Economics.
Research Area: Corporate Finance, Environmental Economics, International Trade, Complex Network.

Thesis: *The Approach of the Knowledge Complexity Promoting the National Economic Growth.*

Sept. 2017 – Jun. 2021

B.Sc. Applied Chemistry

in **Nankai University**, College of Chemistry.
Research Area: Computational Chemistry, symiddle molecule.
Thesis: *Synthesis and Properties of Organic Molecules for Disposing the Formaldehyde Wastewater.*

PUBLICATIONS

Economics and Management

- 1 S.-S. S. Tsiong, "Located by geopolitical shock," *Open Economies Review*, 2026.
- 2 S.-S. S. Tsiong, S. Li, and M. Zhang, "Rethinking the competition of export trade based on the bipartite network," *Chaos, Solitons & Fractals*, vol. 203, p. 117 677, 2026. DOI: [10.1016/j.chaos.2025.117677](https://doi.org/10.1016/j.chaos.2025.117677)
- 3 S.-S. S. Tsiong and H. Liu, "Is productive service intermediate input a good instrument for enhancing the global value chain participation?" *Structural Change and Economic Dynamics*, vol. 75, pp. 638–653, 2025. DOI: [10.1016/j.strueco.2025.10.002](https://doi.org/10.1016/j.strueco.2025.10.002)
- 4 S. Zhang, "The impact of digital transformation on esg performance and the moderation of mixed-ownership reform: The evidence from chinese state-owned enterprises," *Corporate Social Responsibility and Environmental Management*, vol. 31, no. 3, pp. 2195–2210, 2024. DOI: [10.1002/csr.2656](https://doi.org/10.1002/csr.2656)
- 5 S. Zhang and P. Zhang, "A new approach on measuring the knowledge complexity in the view of the bipartite network," *Applied Economics Letters*, vol. 31, no. 2, pp. 146–151, 2024. DOI: [10.1080/13504851.2022.2128290](https://doi.org/10.1080/13504851.2022.2128290)
- 6 S. S. Zhang, "Knowledge complexity based on coupled equations within the bipartite network," *Information Sciences*, vol. 677, p. 120 937, 2024. DOI: [10.1016/j.ins.2024.120937](https://doi.org/10.1016/j.ins.2024.120937)

International Relations and Politics

- 1 T. Wu, S. Zhang, and H. Liu, "The intensity of outside options, vertex centrality and imf conditionality," *World Economics and Politics (in Chinese)*, 2026.

WORKING PAPERS

Economics and Management

- 1 S. Li and S.-S. S. Tsiong, "Governmental venture capital fund honeys sustainable investment."
- 2 S.-S. S. Tsiong and L. Sun, "How will geopolitical risk play its role in the global value chain?"
- 3 S.-S. S. Tsiong and M. Zhang, "Are both quantity and quality of green innovation exalted in polluting firms under environmental regulation?"

International Relations and Politics

- 1 H. Lin, S.-S. S. Tsiong, and H. Liu, "Legitimizing sanctions: The role FATF in global anti-terrorist financing revisited."
- 2 S.-S. S. Tsiong and H. Liu, "IMF “rescues” populism: How social trust comes into effect."
- 3 S. Zhang and H. Liu, "The impact of international monetary fund loan conditionality on populism—an empirical study using mixed-methods."

PEER REVIEW EXPERIENCE

As a Reviewer  Corporate Social Responsibility and Environmental Management; Eurasian Business Review; Journal of Infrastructure, Policy and Development; Eco Cities.

ACADEMIC ASSOCIATION

Jul. 2023  Shanghai Statistical Society, Invited Researcher

HONOR & AWARD

- 2016  30th Chinese Chemistry Olympiad (CChO) - 1st Prize
 33rd Chinese Physics Olympiad (CPhO) - 3rd Prize
 25th China High School Biology Olympiad (CHSBO) - 2nd Prize

SKILL

- Programming Language  R (Package Encoding, Program Design, Network Modeling, Visualization), Visual Basic, Python (Crawler, Deep Learning)
- Programming Tool  R Studio, Visual Studio, Python
- Mathematical Tool  Mathematica, Matlab, VBA for Excel (Macro), stata