Yi-Jiao Zhang

CONTACT INFORMATION

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EDUCATION

Ph.D., Theoretical Physics, Lanzhou University (China) — Sept. 2015 —
Visiting scholar, Indiana University (USA) — Sept. 2019 — Sept. 2021
B.S., Theoretical Physics, Lanzhou University (China) — June 2015

AWARDS

- China National Scholarship for graduate students — 2019
- China Scholarship Council award — 2019

PUBLICATIONS

Journal Articles

J1. **Zhang, Y.-J.**, Yang, K.-C. & Radicchi, F. Model-free hidden geometry of complex networks. *Phys. Rev. E* **103,** 012305 (Jan. 2021).

J2. **Zhang, Y.-J.**, Yang, K.-C. & Radicchi, F. Systematic comparison of graph embedding methods in practical tasks. *Phys. Rev. E* **104,** 044315 (Oct. 2021).

J3. **Zhang, Y.-J.**, Wu, Z.-X., Holme, P. & Yang, K.-C. Advantage of Being Multicomponent and Spatial: Multipartite Viruses Colonize Structured Populations with Lower Thresholds. *Phys. Rev. Lett.* **123,** 138101 (Editors' Suggestion, Sept. 2019).

PRESENTATIONS

Talks

- Systematic comparison of graph embedding methods in practical tasks.
  NetSci 2021, Washington DC, USA (virtual) — July 2021
- Advantage of Being Multicomponent and Spatial: Multipartite Viruses Colonize Structured Populations with Lower Thresholds.
  National Statistical Physics & Complex Systems Conference (SPCSC), Hefei, China — July 2019

Posters

- Model-free hidden geometry of complex networks.
  NetSci 2020, Rome, Italy (virtual) — Sept. 2020
- SLIR Model for the Spread of Multicomponent Viruses in Complex Networks.
  NetSci-X 2018, Hangzhou, China — Jan. 2018

SKILLS

Computational

Python (Pandas, Matplotlib, Scikit-learn, NetworkX, etc), C and Mathematica.

Language

Chinese and English

Last updated: October 23, 2021