

Yi-Jiao Zhang

CONTACT INFORMATION	Address: Building of Business School, Room 349 1088 Xueyuan Avenue, Shenzhen 518055, P. R. China Email: zhangyj3@sustech.edu.cn Homepage: yijiaozhang.me Google scholar: https://scholar.google.com/citations?user=nSC6BWUAAAAJ&hl=en
RESEARCH INTERESTS	Network Science; Network embedding; Machine learning; Epidemic spreading on complex networks
ACADEMIC POSITION	Postdoctoral Researcher 07/2022 — present <i>Department of Statistics and Data Science, Southern University of Science and Technology (China)</i>
EDUCATION	Ph.D., Theoretical Physics, Lanzhou University (China) 09/2015 — 06/2022 <i>Advisor: Zhi-Xi Wu</i> <i>Dissertation: "The spreading dynamics of multicomponent viruses on complex networks" (in Chinese)</i> <i>Awarded for Outstanding Ph.D. Dissertation of Lanzhou University</i> Visiting scholar, Indiana University (USA) 09/2019 — 09/2021 <i>Advisor: Filippo Radicchi</i> B.S., Theoretical Physics, Lanzhou University (China) 09/2011 — 06/2015 <i>Advisor: Zhi-Xi Wu</i> <i>Thesis: "Measuring the importance of nodes in spreading processes taking place on complex networks" (in Chinese)</i>
HONORS AND AWARDS	Outstanding Ph.D. Dissertation of Lanzhou University 2022 Outstanding Graduate Student of Lanzhou University 2022 China National Scholarship for graduate students (¥30,000) 2019 China Scholarship Council award (\$22,800) 2019
PUBLICATIONS	Journal Articles J1. Zhang, Y.-J. , Yang, K.-C. & Radicchi, F. Model-free hidden geometry of complex networks. <i>Phys. Rev. E</i> 103 , 012305 (Jan. 2021). J2. Zhang, Y.-J. , Yang, K.-C. & Radicchi, F. Systematic comparison of graph embedding methods in practical tasks. <i>Phys. Rev. E</i> 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. <i>Phys. Rev. Lett.</i> 123 , 138101 (Editors' Suggestion, Sept. 2019).
PRESENTATIONS	Talks • Systematic comparison of graph embedding methods in practical tasks. <i>NetSci 2021, Washington DC, USA (virtual)</i> 07/2021

- Advantage of Being Multicomponent and Spatial: Multipartite Viruses Colonize Structured Populations with Lower Thresholds.

National Statistical Physics & Complex Systems Conference (SPCSC), Hefei, China 07/2019

Posters

- Model-free hidden geometry of complex networks.

NetSci 2020, Rome, Italy (virtual) 09/2020

- SLIR Model for the Spread of Multicomponent Viruses in Complex Networks.

NetSci-X 2018, Hangzhou, China 01/2018

SKILLS

Computational

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

Language

Chinese and English