

信息学院教师简介

一、个人简介

高磊，男，中共党员，副教授，硕士生导师。2017年毕业于电子科技大学，获计算机科学与技术专业博士学位。主要从事网络传播动力学研究，包括复杂网络分析与建模、流行病传播、社会传播和信息传播等。目前已在国内外主流期刊会议发表学术论文12篇，其中以第一或通讯作者身份发表SCI论文五篇，EI论文一篇。主持山东省自然科学基金青年项目一项，参与国家自然科学基金多项。



二、主持课题

1. 山东省自然科学基金青年项目：多层耦合网络中基于人类行为特性的信息传输研究，项目编号：ZR2020QF066，2021-01至2023-12。

三、代表性成果

1. Lei Gao, Panpan Shu, Ming Tang, Wei Wang, Hui Gao. Effective traffic-flow assignment strategy on multilayer networks, Physical Review E, 2019, 100: 012310.

2. Lei Gao, Ruiqi. Li, Panpan. Shu, Wei. Wang, Hui. Gao, Shimin. Cai. Effects of individual popularity on information spreading in complex networks. Physica A, 2018, 489: 32-39.

3. Lei. Gao, Wei. Wang, Panpan. Shu, Hui. Gao, Lidia A. Braunstein. Promoting information spreading by using contact memory. Europhysics Letters, 2017, 118: 18001.

4. Lei Gao, Wei Wang, Li-Ming Pan, Ming Tang, Hai-Feng Zhang. Effective information spreading based on local information in correlated networks. Scientific Reports, 2016, 6: 38220.

5. Kuikui Ma, Lei Gao*. The solution theory for the fractional hybrid q -difference equations, Journal of Applied Mathematics and Computing,

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6. Lei Gao, Ling-Jiao Chen, Xiao-Long Chen. Facilitating information spreading with local information in complex networks. 12th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery 2017.

7. Panpan Shu, Lei Gao, Wei Wang, Pengcheng Zhao, and H. Eugene Stanley. Social contagions on interdependent lattice networks. Scientific Reports, 2017, 7: 44669.

8. Pengbi Cui, Lei Gao, Wei Wang. Epidemic spreading dynamics with drug-resistant and heterogeneous contacts. Journal of Theoretical Biology, 2018, 441: 19–27.

9. Liming Pan, Lei Gao, Jian Gao. Predicting links in weighted networks via structural perturbations. The 14th International Computer Conference on Wavelet Active Media Technology and Information Processing 2017.

10. Wei Wang, Lei Gao, Yu-Xiao Zhu and Hui Gao. Effects of Mass Medias on the Dynamics of Social Contagions. 12th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery 2016.

11. Xiao-Long Chen, Rui-Jie, Wang, Lei Gao. Effect of healthy neighbors on epidemic spreading in multiplex networks. 9th International Conference on Intelligent Human-Machine Systems and Cybernetics 2017.

12. Ling-Jiao Chen, Lei Gao, Hui Yang. Information filtering via trust relationships diffusion process. The 13th International Computer Conference on Wavelet Active Media Technology and Information Processing 2016.

四、联系方式

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