

## 张锋简历

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主要研究兴趣是通过数学模型和计算机模拟解释生态系统的模式，揭示其生态和进化机理，探索生物多样性的形成和维持机制。目前主要研究微生物群落的互动关系和网络结构。研究结果发表在 *Ecology Letters*、*Evolution*、*Animal Behaviour*、*Proceedings of the Royal Society* 等期刊上。论文被 *Nature*、*Science*、*PNAS*、*Nature Communications*、*Trends in Ecology & Evolution*、*PLoS Biology*、*New Phytologist*、*Ecology*、*Proc. Roy. Soc.*、*American Naturalist* 等期刊引用 400 多次，其中多次被 *Nature* 和 *Science* 引用。

### 教育经历

2001–2006 兰州大学，生态学，博士(硕博连读)

1993–1997 西北师范大学数学系，数学，学士

### 工作经历

2018–至今 安徽大学资源与环境工程学院教授

2015–2018 甘肃农业大学理学院特聘教授

2013–2014 南非斯坦陵布什大学数学系研究员

2009–2012 南非斯坦陵布什大学入侵生物研究中心博士后

2006–2009 甘肃农业大学理学院副教授

1997–2006 甘肃农业大学理学院助教和讲师

### 代表性论文

**Zhang F.**, Tao Y., Li Z.Z., Hui C. (2010). The evolution of cooperation on fragmented landscapes: the spatial Hamilton rule. *Evolutionary Ecology Research*, 12: 23-33. (IF 1.692)

**Zhang F.\***, Hui C., Terblanche J.S. (2011). An interaction switch predicts the nested architecture of mutualistic networks. *Ecology Letters*, 14: 797-803. (IF 17.557)

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- Li X.R., Zhang D.H., **Zhang F.**, Zhang P. (2017). The eco-hydrological threshold for evaluating the stability of sand-binding vegetation in different climatic zones. *Ecological Indicators*, 83: 404-415. (IF 3.288)
- Qin L.J., **Zhang F.\***, Wang W.X., Song W.X. (2017). Interaction between Allee effect caused by organism-environment feedback and by other ecological mechanisms. *PLoS ONE*, 12(3): e0174141. (IF 2.806)
- Nuwagaba S., **Zhang F.\***, Hui C. (2017) Robustness of rigid and adaptive networks to species loss. *PLoS ONE*, 12(12): e0189086. (IF 2.806)
- Yang, X.Q., **Zhang, F.\***, Wang, W.X. (2019) Predation promotes cooperation in Prisoner's dilemma games. *Physica A*, 514: 20-24. (IF 2.132)
- Zhang D., Song W.X., Chen N.L., **Zhang F.\***, The role of spatial scale in organism-environment positive feedback. *Nonlinear Dynamics*, in press. (IF 4.339)