



## 张国宝

文章来源: 管理员 发布日期: 2017-03-19 浏览次数: 1658



张国宝, 男, 汉族, 1981年9月生, 中共党员。2004年6月毕业于西北师范大学数学系。2011年6月在兰州大学获得理学博士学位(导师为李万同教授)。2012年10月--2015年10月在西北师范大学数学博士后流动站工作(合作导师为马如云教授)。2018年4月-2019年3月在加拿大纽芬兰纪念大学做博士后(合作导师为赵晓强教授)。现为西北师范大学数学与统计学院副教授, 硕士研究生导师, 美国《Math. Review》评论员, 多个SCI杂志审稿人。

张国宝近年来主要从事微分方程(包括常微分方程和偏微分方程)和生物数学的研究工作, 共撰写和发表学术论文20余篇, 其中多篇论文发表在国内、国际权威杂志《J. Differential Equations》、《Z. Angew. Math. Phys.》、《Discrete Contin. Dyn. Syst.》、《Discrete Contin. Dyn. Syst. Ser. B》、《Sci. China Math.》、《Nonlinear Anal. RWA.》、《Nonlinear Anal.》、《J. Math. Anal. Appl.》、《Appl. Anal.》和《Math. Comput. Model.》。2012年和2014年作为主要参与者2次荣获甘肃省高校科技进步奖一等奖。2015年作为主要参与者荣获甘肃省高校自然科学二等奖。2016年入选西北师范大学“青年教师教学科研之星资助计划”。2017年作为主要参与者荣获甘肃省高校科研优秀成果一等奖。

### 教学工作:

主讲《数学分析》、《分析选讲》、《高等数学》、《计算方法》以及《线性代数与概率统计》等课程。

### 科研项目:

1. 2015.01-2017.12 主持国家自然科学基金青年基金项目, 编号: 11401478;
2. 2014.07-2016.12 主持甘肃省自然科学基金面上项目, 编号: 145RJZA220;
3. 2013.04-2014.10 主持博士后自然科学基金面上项目一等, 编号: 2013M530435;

4. 2013.01-2015.12 主持教育部博士点新教师基金, 编号: 20126203120006;
5. 2013.01-2013.12 主持国家数学天元青年基金, 编号: 11226189;
6. 2012.01-2014.12 主持西北师范大学青年教师科研提升计划一般项目, 编号: NWNULKQN-11-22.

#### 主要学术论文:

1. **G.-B. Zhang\***, F.-D. Dong, W.-T. Li, Uniqueness and stability of traveling waves for a three-species competition system with nonlocal dispersal, *Discrete Contin. Dyn. Syst. Ser. B*, 2018, accepted.
2. T. Su, **G.-B. Zhang\***, Stability of traveling wavefronts for a three-component Lotka-Volterra competition system on a lattice, *E. J. Differential Equations* 2018 (2018), No.57, 1-16.
3. Z.-X. Yang, **G.-B. Zhang\***, Stability of non-monotone traveling waves for a discrete diffusion equation with monostable convolution type nonlinearity, *Sci. China Math.* 2018, inpress.
4. **G.-B. Zhang\***, R. Ma, X.-S. Li, Traveling waves of a Lotka-Volterra strong-competition system with nonlocal dispersal, *Discrete Contin. Dyn. Syst. Ser. B*, 23 (2018) 587-608.
5. Z.-X. Yang, **G.-B. Zhang\***, Global stability of traveling wavefronts for nonlocal reaction-diffusion equations with time delay, *Acta Math. Sci.* 38 B (2018) 289-302.
6. **G.-B. Zhang\***, G. Tian, Stability of traveling wavefronts for a two-component lattice dynamical system arising in competition models, *Canadian Math. Bull.* 2017, in press.
7. Z.-X. Yang, **G.-B. Zhang\***, G. Tian, Z.-S. Feng, Stability of non-monotone non-critical traveling waves in discrete reaction-diffusion equations with time delay, *Discrete Contin. Dyn. Syst. Ser. S*, 10 (2017) 581-603.
8. Y. Li, W.-T. Li\*, **G.-B. Zhang**, Stability and uniqueness of traveling waves of a nonlocal dispersal SIR epidemic model, *Dynam. Part. Differential Equations*, 14 (2017) 87-123..
9. G. Tian, **G.-B. Zhang\***, Stability of traveling wavefronts for a discrete diffusive Lotka-Volterra competition system, *J. Math. Anal. Appl.* 447 (2017) 222-242.
10. G. Tian, **G.-B. Zhang\***, Z.-X. Yang, Stability of non-monotone critical traveling waves for spatially discrete reaction-diffusion equations with time delay, *Turk. J. Math.* 41 (2017) 655-680.
11. **G.-B. Zhang\***, Non-monotone traveling waves and entire solutions for a delayed nonlocal dispersal equation, *Appl. Anal.* 96 (2017) 1830-1866.
12. **G.-B. Zhang\***, R. Ma, Front-like entire solutions for delayed nonlocal dispersal equation with convolution type bistable nonlinearity, *Rocky Mountain J. Math.* 47 (2017) 1355-1404.
13. **G.-B. Zhang\***, R. Ma, Existence, Uniqueness and stability of traveling wavefronts for a nonlocal dispersal equation with convolution type bistable nonlinearity, *E. J. Differential Equations* 2015 (2015), No.144, 1-27.
14. J.-B. Wang, W.-T. Li\*, **G.-B. Zhang**, Spatial dynamics of a nonlocal dispersal vector disease model with spatio-temporal delay, *E. J. Differential Equations* 2015 (2015), No. 122, 1-28.
15. W.-T. Li\*, L. Zhang, **G.-B. Zhang**, Invasion entire solutions in a competition system with nonlocal dispersal, *Discrete Contin. Dyn. Syst.* 35 (2015) 1531-1560.
16. **G.-B. Zhang\***, R. Ma, Spreading speeds and traveling waves for a nonlocal dispersal equation with convolution type crossing-monostable nonlinearity, *Z. Angew. Math. Phys.* 65 (2014), 819-844.
17. **G.-B. Zhang**, W.-T. Li\*, Nonlinear stability of traveling wavefronts in an age-structured population model with nonlocal dispersal and delay, *Z. Angew. Math. Phys.* 64 (2013), 1643-1659.
18. **G.-B. Zhang**, W.-T. Li\*, Z.-C. Wang, Spreading speeds and traveling waves for nonlocal dispersal equations with degenerate monostable nonlinearity, *J. Differential Equations* 252 (2012) 5096-5124.
19. **G.-B. Zhang\***, Global stability of traveling wave fronts for nonlocal delayed lattice differential equations, *Nonlinear Anal. Real World Appl.* 13 (2012) 1790-1801.
20. **G.-B. Zhang\***, Global stability of wavefronts with minimal speeds for nonlocal dispersal equations with degenerate nonlinearity, *Nonlinear Anal.* 74 (2011) 6518-6529.
21. **G.-B. Zhang\***, Traveling waves in a nonlocal dispersal population model with age-structure, *Nonlinear Anal.* 74 (2011) 5030-5047.
22. **G.-B. Zhang\***, W.-T. Li, Y.-J. Sun, Asymptotic behavior for nonlocal dispersal equations, *Nonlinear Anal.* 72 (2010) 4466-4474.

23. **G.-B. Zhang**, W.-T. Li\*, G. Lin, Traveling waves in delayed predator-prey systems with nonlocal diffusion and stage structure, Math. Comput. Model. 49 (2009) 1021-1029.

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