

## 张国东

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张国东, 男, 出生于1986年05月, 博士, 运筹学与控制论专业硕士研究生导师。2008年07月于河南省黄淮学院数学科学系获得理学学士学位; 2011年06月于湖北师范学院(今湖北师范大学)数学与统计学学院获得理学硕士学位; 2014年06月于华中科技大学自动化学院获得理学博士学位。主要研究方向为非线性微分代数系统、混杂切换系统、神经网络及智能控制等。目前以第一作者/通讯作者发表SCI收录论文20多篇,先后入选ESI高被引论文5篇。主持国家自然科学基金青年项目一项,主持完成湖北省自然科学基金项目一项、主持完成中央高校基本科研项目专项基金两项,并作为主要研究人员参与多项国家科研基金项目。

### 学术成果及荣誉

1. 获得2012年度湖北省优秀硕士学位论文奖.
2. 获得2015年度湖北省优秀博士学位论文奖.
3. 获得2016年度中国自动化学会(CAA)优秀博士学位论文奖(全国仅10人).
4. 2018年3月评为国际知名杂志《Neurocomputing》的优秀审稿人.

### 主持基金及项目

1. 国家自然科学基金青年项目, 61603419, 状态混杂切换神经动力系统的稳定、同步控制及应用, 2017/01 - 2019/12, 在研, 主持.
2. 湖北省自然科学基金项目, 2015CFB512, 微分代数系统在生物资源可持续利用中的应用研究, 2015/04 -2016/12, 已结题, 主持.
3. 中央高校专项基金青年项目, CZQ15019, 忆阻混杂网络系统的控制与应用, 2015/01 -2015/12, 已结题, 主持.
4. 中央高校专项基金自科培育类项目, CZP17056, 状态混杂切换神经系统的动力学行为及应用, 2017/01 - 2017/12, 已结题, 主持.

## 近几年代表论文

1. Guodong Zhang, Yi Shen, New algebraic criteria for synchronization stability of chaotic memristive neural networks with time-varying delays, *IEEE Transactions on Neural Networks and Learning Systems*, 2013, 24(10) 1701–1707. (SCI, 中科院一区)
  2. Guodong Zhang, Yi Shen, Exponential stabilization of memristor-based chaotic neural networks with time-varying delays via intermittent control. *IEEE Transactions on Neural Networks and Learning Systems*, 26(7)(2015) 1431–1441. (SCI, 中科院一区)
  3. Guodong Zhang, Yi Shen et al., Global exponential periodicity and stability of a class of memristor-based recurrent neural networks with multiple delays, *Information Sciences*, 232 (2013) 386–396. (SCI, 中科院一区)
  4. Guodong Zhang, Lulu Zhu, Boshan Chen, Hopf bifurcation in a delayed differential–algebraic biological economic system, *Nonlinear Analysis: Real World Applications*, 12 (2011) 1708–1719. (SCI, 中科院一区)
  5. Guodong Zhang, Yi Shen, Boshan Chen, Bifurcation analysis in a discrete differential–algebraic predator–prey system, *Applied Mathematical Modelling*, 38 (2014) 4835–4848. (SCI, 中科院一区)
  6. Guodong Zhang, Zhigang Zeng, Junhao Hu, New results on global exponential dissipativity analysis of memristive inertial neural networks with distributed time-varying delays, *Neural Networks*, 97 (2018) 183–191. (SCI)
  7. Guodong Zhang, Zhigang Zeng, Exponential stability for a class of memristive neural networks with mixed time-varying delays, *Applied Mathematics and Computation*, 321 (2018) 544–554. (SCI)
  8. Guodong Zhang, Junhao Hu, Yi Shen, New results on synchronization control of delayed memristive neural networks, *Nonlinear Dynamics*, 81(2015) 1167–1178. (SCI)
  9. Guodong Zhang, Yi Shen, Exponential synchronization of delayed memristor-based chaotic neural networks via periodically intermittent control. *Neural Networks*, 55 (2014) 1–10. (SCI)
  10. Guodong Zhang, Yi Shen, Chengjie Xu, Global exponential stability in a Lagrange sense for memristive recurrent neural networks with time-varying delays, *Neurocomputing*, 149(2015) 1330–1336. (SCI)
  11. Guodong Zhang, Yi Shen, Periodic solutions for a neutral delay Hassell–Varley type predator–prey system, *Applied Mathematics and Computation*, 264 (2015) 443–452. (SCI)
  12. Guodong Zhang, Junhao Hu, Yi Shen, Exponential lag synchronization for delayed memristive recurrent neural networks, *Neurocomputing*, 154(2015) 86–93. (SCI)
  13. Guodong Zhang, Yi Shen, Leimin Wang, Global anti-synchronization of a class of chaotic memristive neural networks with time-varying delays, *Neural Networks*, 2013, 46, 1–8. (SCI)
  14. Guodong Zhang, Yi Shen, Boshan Chen, Hopf bifurcation of a predator–prey system with predator harvesting and two delays, *Nonlinear Dynamics*, 2013, 73(4), 2119–2131. (SCI)
  15. Guodong Zhang, Yi Shen, Quan Yin, Junwei Sun, Passivity analysis for memristor-based recurrent neural networks with discrete and distributed delays, *Neural Networks*, 61 (2015) 49–58. (SCI)
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