

师资队伍

- 教学科研人员
- 实验技术人员
- 管理人员
- 退休人员

最新公告

- 学院2019年接收推免...
- 转发：关于科技活动中校...
- 相控阵超声检测系统(X...
- 关于选聘学院教师担任本...
- 陕西省物理学会2018...

请输入关键字

您的当前位置：首页 > 王圣军



王圣军

职称/职务：教授

电话：

传真：

电子信箱：wangshjun@snnu.edu.cn

出生年月：

办公地点：致知楼3519

教育经历

- 2004/09 - 2009/06, 兰州大学, 物理科学与技术学院, 博士
- 2000/09 - 2004/06, 兰州大学, 物理科学与技术学院, 学士

研究工作经历

- 2011/10 - 现在, 陕西师范大学, 物理学与信息技术学院
- 2009/07 - 2011/10, 香港浸会大学, 非线性研究中心, 博士后
- 2008/07 - 2008/09, 香港城市大学, 混沌与复杂网络研究中心, 研究助理

讲授课程

- 2018春：模拟物理
- 2017秋：带实习
- 2017春：非线性科学概论
- 2016秋：非线性动力学导论(0642148), 模拟物理(0642130), 模拟物理(0643061)
- 2016春：非线性科学概论(0642006), 非线性科学概论(0643069)
- 2015秋：非线性动力学导论, 模拟物理
- 2015春：非线性科学概论, 模拟物理
- 2014秋：模拟物理
- 2014春：模拟物理
- 2013秋：模拟物理, 电动力学II
- 2013春：模拟物理
- 2012秋：电动力学II, 非线性动力学

研究方向

统计物理与复杂系统, 自组织临界态, 复杂网络结构上的临界态, Hopfield 吸引子网络

相关链接: [wiki](#) [baike](#) [link-1](#) [OFC](#) [link-2](#) [link-3](#) [link-4](#) [alpha wave](#) [Hopfiled network](#)

期刊论文:

28. Yuhan Chen, **Shengjun Wang**, Claus C. Hilgetag, and Changsong Zhou, Features of spatial and functional segregation and integration of the primate connectome revealed by trade-off between wiring cost and efficiency. *PLoS Comput Biol* 13(9): e1005776.
27. **Sheng-Jun Wang**, and Zhou Yang, Effect of similarity between patterns in associative memory. *Phys. Rev. E* 95, 012309 (2017).
26. **Sheng-Jun Wang**, Ru-Hai Du, Tao Jin, Xing-Sen Wu, and Shi-Xian Qu. Synchronous slowing down in coupled logistic maps via random network topology. *Scientific Reports* 6:23448 (2016).
25. **Sheng-Jun Wang**, Guang Ouyang, Jing Guang, Mingsha Zhang, K. Y. Michael Wong, and Changsong Zhou. Stochastic Oscillation in Self-Organized Critical States of Small Systems: Sensitive Resting State in Neural Systems. *Phys. Rev. Lett.* 116, 018101 (2016).
24. Jing Qu, **Sheng-Jun Wang**, Marko Jusup, and Zhen Wang. Effects of random rewiring on the degree correlation of scale-free networks. *Scientific Reports* 5:15450 (2015). (通讯作者)
23. Qu Jing, **Wang Sheng-Jun**. Disassortative networks generated by directed rewiring. *Acta Physica Sinica* 64, 198901 (2015). (通讯作者)
22. Hu Yao-Guang, **Wang Sheng-Jun**, Jin Tao and Qu Shi-Xian, Biased random walks in the scale-free networks with the disassortative degree correlation. *Acta Physica Sinica* 64, 028901 (2015).
21. YANG Yan-Jin, DU Ru-Hai, **WANG Sheng-Jun**, JIN Tao and QU Shi-Xian. Change of State of a Dynamical Unit in the Transition of Coherence. *CHIN. PHYS. LETT.* 32, 010502 (2015) .
20. **Sheng-Jun Wang**, Zhen Wang, Tao Jin and Stefano Boccaletti, Emergence of disassortative mixing from pruning nodes in growing scale-free networks, *Scientific Reports* 4, 7536 (2014). (通讯作者)
19. **Sheng-Jun Wang**, Zi-Gang Huang, Xin-Jian Xu and Ying-Hai Wang, Sparse connection density underlies the maximal functional difference between random and scale-free networks, *Eur. Phys. J. B* 86, 424 (2013). (通讯作者)
18. Yuhan Chen, **Sheng-Jun Wang**, Claus C. Hilgetag, and Changsong Zhou, Trade-off between Multiple Constraints Enables Simultaneous Formation of Modules and Hubs in Neural Systems, *PLoS Comput. Biol.* 9(3): e1002937 (2013).
17. **Sheng-Jun Wang**, Changsong Zhou, Hierarchical modular structure enhances the robustness of self-organized criticality in neural networks, *New J. Phys.*14, 023005 (2012). (本文章被选入 **New Journal of Physics 2012** 年度研究亮点。)
16. **Sheng-Jun Wang**, Claus C. Hilgetag, and Changsong Zhou, Sustained activity on hierarchical modular neural networks: self-organized criticality and oscillations, *Front. Comput. Neurosci.* 5, 30 (2011).
15. **Sheng-Jun Wang**, Zhi-Xi Wu, Hai-Rong Dong, and Guanrong Chen, Undetermination of the relation between network synchronizability and betweenness centrality, *Chin. Phys. B* 20, 048903 (2011).
14. Jin-Tu Sun, **Sheng-Jun Wang**, Zi-Gang Huang, Lei Yang, Younghae Do and Ying-Hai Wang, Effect of information transmission on cooperative behavior, *New J. Phys.* 12, 063034 (2010).
13. **Sheng-Jun Wang**, Zhi-Xi Wu, Hai-Rong Dong, and Guanrong Chen, Enhancing the synchronizability of scale-free networks by adding edges, *Int. J. Mod. Phys. C* 21, 67 (2010).
12. Zi-Gang Huang, **Sheng-Jun Wang**, Xin-Jian Xu, Jin-Tu Sun and Ying-Hai Wang, Mobile agents affect worm spreading in wireless ad hoc networks, *J. Stat. Mech.* P09005 (2009).
11. Yu-Zhong Chen, Zi-Gang Huang, **Sheng-Jun Wang**, Yan Zhang, and Ying-Hai Wang, Diversity of rationality affects the evolution of cooperation, *Phys. Rev. E* 79, 055101 (2009) (Rapid Communication).
10. Jin-Tu Sun, **Sheng-Jun Wang**, Zi-Gang Huang, Ying-Hai Wang, Effect of degree correlations on networked traffic dynamics, *Physica A* 388 (2009) 3244–3248
9. **Sheng-Jun Wang**, Xin-Jian Xu, Zhi-Xi Wu, Zi-Gang Huang, and Ying-Hai Wang, Influence of synaptic interaction on firing synchronization and spike death in excitatory neuronal networks, *Phys. Rev. E* 78, 061906 (2008).
8. Cun-Fang Feng, Xin-Jian Xu, **Sheng-Jun Wang**, and Ying-Hai Wang, Projective-anticipating, projective, and projective-lag synchronization of time-delayed chaotic systems on random networks, *Chaos* 18, 023117 (2008).
7. Zi-Gang Huang, **Sheng-Jun Wang**, Xin-Jian Xu, and Ying-Hai Wang, Promote cooperation by localised small-world communication, *EuroPhys. Lett.* 81, 28001 (2008).
6. **Sheng-Jun Wang**, An-Cai Wu, Zhi-Xi Wu, Xin-Jian Xu, and Ying-Hai Wang, Response of degree-correlated scale-free networks to stimuli, *Phys. Rev. E* 75, 046113 (2007).

5. Chang Wen-Li, **Wang Sheng-Jun**, Wang Yin-Hai, Responses of Hodgkin- Huxley Neuronal Systems to Spike-Train Inputs, Chin. Phys. Lett. 24, 2696 (2007).
4. **Sheng-Jun Wang**, Xin-Jian Xu, Zhi-Xi Wu, and Ying-Hai Wang, Effects of degree distribution in mutual synchronization of neural networks, Phys. Rev. E 74, 041915 (2006).
3. Zhi-Xi Wu, Xin-Jian Xu, Zi-Gang Huang, **Sheng-Jun Wang**, and Ying-Hai Wang, Evolutionary prisoner' s dilemma game with dynamic preferential selection, Phys. Rev. E 74, 021107 (2006).
2. **Sheng-Jun Wang**, Xin-Jian Xu, Zhi-Xi Wu, and Ying-Hai Wang, Coupling Parameter in Synchronization of Small-World Neural Networks, Int. J. Mod. Phys. C 16, 1841 (2005).
1. Xu Xin-Jian, **Wang Sheng-Jun**, Tang Wei, and Wang Ying-Hai, Phase Locking Phenomena and Electroencephalogram-Like Activities in Dynamic Neuronal Systems, Chin. Phys. Lett. 22, 507 (2005).

点击量 : 15225

版权所有：陕西师范大学物理学与信息技术学院 | 地址：陕西师范大学长安校区致知楼 | 邮编：710119 | 电话：029-81530750 | Email: wlbgs@snnu.edu.cn

copyright © 2013 wuli.snnu.edu.cn Inc. All right Reserved.