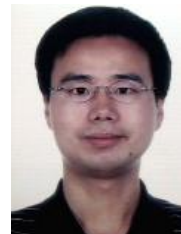


# 个人简历

## 基本情况

姓名： 张力发 性别： 男  
出生年月： 1977.12 籍贯： 江苏泰兴  
邮件地址 南京市栖霞区文苑路1号 电话： 025-85891245  
电子信箱： [phyzlf@foxmail.com](mailto:phyzlf@foxmail.com); [phyzlf@njnu.edu.cn](mailto:phyzlf@njnu.edu.cn)



## 教育背景

- 2007—2010, 新加坡国立大学物理系, 凝聚态物理, 理学博士。
- 2001—2004, 南京师范大学物理与科学技术学院, 理论物理, 理学硕士。
- 1997—2001, 南京师范大学物理与科学技术学院, 物理教育, 理学学士。
- 1994—1997, 江苏省泰兴中学, 就读高中。

## 工作经历

- 2015.07—现在, 教授(江苏特聘教授), 南京师范大学。
- 2013.01—2015.06, Postdoctoral Research Fellow, 得克萨斯大学奥斯汀分校物理系。
- 2010.08—2012.12, Research Associate, 新加坡国立大学物理系。
- 2008.08—2010.08, Teaching Assistant, 新加坡国立大学物理系。
- 2004.08—2007.07, 讲师, 南京晓庄学院物理系。

## 荣誉情况

- 2016, 南京师范大学“百人计划”, 南京师范大学
- 2014, 江苏特聘教授, 江苏省教育厅
- 2012, 2011年度国家优秀自费留学生奖学金, 国家留学基金管理委员会。
- 2012, Material Research Society of Singapore Medal, 新加坡。
- 2011, Best Graduate Researcher Award, 新加坡国立大学理学院。
- 2010, Best Presentation Award, 新加坡国立大学物理系。
- 2005—2007, “教学考评优秀奖”, 南京晓庄学院。

## 研究领域

- 低维体系中的量子输运行为及拓扑性质, 载流子包括电子, 声子, 磁子;
- 磁性系统中声子、磁子的基本性质及理论;
- 声子角动量以及手性声子的理论及应用;
- 玻色子(声子, 磁子等)霍尔效应;
- 界面热阻效应, 热电效应, 能量输运及转化。

## 学术经历

- Phonons 2018, 中国南京, 会议主席。
- The Workshop on Thermal Transport 2016 (WTT2016), 中国南京, 会议主席。
- 2014 APS March Meeting, 美国丹佛, 分会主席 (Z8 Focus Session)。

- 2011–现在, 期刊审稿人: Phys. Rev. Lett., Phys. Rev. B/E/X, Phys. B/E, J. Phys: Cond. Matt. Phys. Lett. A。
- 2011–现在, American Physics Society member。

## 文章发表

<https://scholar.google.com/citations?user=HVJaROAAAAAJ>

<http://www.researcherid.com/rid/D-7537-2012>

<http://orcid.org/0000-0001-6108-1404>

1. T. Tsatsoulis, C. Illg, M. Haag, B. Y. Mueller, Lifa Zhang, and M. Fahnle, "Ultrafast demagnetization after femtosecond laser pulses: Transfer of angular momentum from the electronic system to magnetoelastic spin-phonon modes" Phys. Rev. B **93**, 134411 (2016)
2. Lifa Zhang and Qian Niu, "Chiral Phonons at High-Symmetry Points in Monolayer Hexagonal Lattices", accepted by Phys. Rev. Lett. (2015).
3. Bo Chen and Lifa Zhang, "Optimized couplers for interfacial thermal transport", J. Phys.: Condens. Matter **27**, 125401 (2015).
4. X. Lu, L. Zhang, W.G. Morrel, C.-Q Wu, B. Li, "Thermospin diode effect based on a quantum dot system", Physics Letters A 378, 3638(2014).
5. J. Cao, L. Zhang, S. Yan, X. Sun, "Reflectionless design of optical elements using impedance-tunable coordinate transformation", Appl. Phys. Lett. 104, 191102 (2014).
6. L. Zhang and Q. Niu, "Angular Momentum of Phonons and Einstein-de Haas Effect", Phys. Rev. Lett. **112**, 085503 (2014).
7. L. Zhang, J. Ren, J.-S. Wang, and B. Li, "Topological Magnon Insulator in Insulating Ferromagnet," Phys. Rev. B **87**,144101 (2013).
8. L. Zhang, J.-T. Lu, J.-S. Wang, and B. Li, "Thermal transport across metal-insulator interface via electron-phonon interaction", J. Phys.: Condens. Matter **25**, 445801 (2013).
9. L. Zhang, J. Thingna, D. He, J.-S. Wang and B. Li, "Nonlinearity enhanced interfacial thermal conductance and rectification", Europhysics. Lett. **103**, 64002 (2013).
10. L. Zhang, J. Ren, J.-S. Wang, and B. Li, "The phonon Hall effect: theory and application," J. Phys.: Cond. Matt. **23**, 305402 (2011).
11. B. K. Agarwalla, L. Zhang, J.-S. Wang, and B. Li, "Phonon Hall effect in ionic crystals in the presence of static magnetic field," Eur. Phys. J. B **81**, 197 (2011).
12. L. Zhang, P. Keblinski, J.-S. Wang, and B. Li, "Interfacial thermal transport in atomic junctions," Phys. Rev. B **83**, 064303 (2011).
13. L. Zhang, J. Ren, J.-S. Wang, and B. Li, "Topological nature of phonon Hall effect," Phys. Rev. Lett. **105**, 225901 (2010).
14. L. Hu, L. Zhang, M. Hu, J.-S. Wang, B. Li, and P. Keblinski, "Phonon interference at self-assembled monolayer interfaces: Molecular dynamics simulations," Phys. Rev. B **81**, 235427 (2010).
15. L. Zhang, J.-S. Wang, and B. Li, "Ballistic thermal rectification in nanoscale three-terminal junctions," Phys. Rev. B **81**, 100301(R) (2010).
16. L. Zhang, J.-S. Wang, and B. Li, "Phonon Hall effect in four-terminal junctions," New J. Phys. **11**, 113038 (2009).
17. L. Zhang, Y. Yan, C.-Q. Wu, J.-S. Wang, B. Li, "Reversal of thermal rectification in quantum systems," Phys. Rev. B **80**, 172301(2009).

18. J.-S. Wang and L. Zhang, ``Phonon Hall thermal conductivity from Green-Kubo formula," Phys. Rev. B **80**, 012301 (2009).
19. L. Zhang, J.-S. Wang, and B. Li, ``Ballistic magneto-thermal transport in a Heisenberg spin chain at low temperatures," Phys. Rev. B **78**, 144416 (2008).
20. L. Zhang and P. Tong, ``Entanglement of periodic anisotropic XY chains," J. Phys. A: Math. Gen. **38**, 7377–7388 (2005).
21. L. Zhang and P. Tong, ``The finite-size effect on the entanglement of the quantum Ising Chain," Int. J. Mod. Phys. B, Vol. **18**, 2564 (2004).