



景俊

教授/博士生导师

- 2014-2017 吉林大学 教授、博士生导师
2016 香港理工大学 访问研究教员
2013-2015 西班牙巴斯克国家大学 访问学者
2013-2014 美国纽约州立大学布法罗分校
研究科学家
2010-2012 美国新泽西州史蒂文斯理工学院
研究助理
2007-2014 上海大学 讲师、副教授
2002-2007 上海交通大学物理系 博士 (硕博连读)
1998-2002 上海交通大学物理系 学士



Jun Jing

Professor Jun Jing

- 2014-2017 Jilin University Full Professor
2016 The Hong Kong Polytechnic University
Research Fellow
2013, 2015 Basque Country University Visiting Scholar
2013-2014 University at Buffalo, the State University
of New York Research Scientist
2010-2012 Stevens Institute of Technology Postdoctoral
Research Associate
2007-2014 Shanghai University Lecturer, Associated
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1998-2007 Department of Physics, Shanghai Jiaotong
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Research Focus

研究领域

- 1、量子开系统动力学
- 2、量子有限系统调控,
- 3、量子光学
- 4、几何量子计算

1. Open quantum system dynamics
2. Quantum control over finite-dimensional systems
3. Quantum optics
4. Geometric quantum computing

Representative Publications

代表出版物

1. J. Jing, C.-H. Lam, and L.-A. Wu, Non-Abelian holonomic transformation in the presence of classical noise, *Physical Review A* 95, 012334 (2017).
2. J. Jing, L.-A. Wu, and A. del Campo, Fundamental speed limits to the generation of quantumness, *Scientific Reports* 6, 38149 (2016).
3. J. Jing, M. S. Sarandy, D. A. Lidar, D.-W. Luo, and L.-A. Wu, Eigenstate tracking in open quantum systems, *Physical Review A* 94, 042131 (2016).
4. J. Jing, L.-A. Wu, M. Byrd, J. Q. You, T. Yu, and Z.-M. Wang, Nonperturbative Leakage Elimination Operators and Control of a Three-Level System, *Physical Review Letters*, 114, 190502 (2015).
5. J. Jing, R. Li, J. Q. You, T. Yu, Nonperturbative stochastic dynamics driven by strongly correlated colored noise, *Physical Review A* 91, 022109 (2015).
6. J. Jing, P. Huang, and X. Hu, Decoherence of an electrically driven spin qubit, *Physical Review A* 90, 022118 (2014).
7. J. Jing, L.-A. Wu, T. Yu, J. Q. You, Z.-M. Wang and L. Garcia, One-component dynamical equation and noise-induced adiabaticity, *Physical Review A* 89, 032110 (2014).
8. J. Jing, L.-A. Wu, M. S. Sarandy, and J. G. Muga, Inverse engineering control in open quantum systems, *Physical Review A* 88, 053422 (2013).
9. J. Jing, X. Zhao, J. Q. You, W. T. Strunz and T. Yu, Many-body quantum trajectories of non-Markovian open systems, *Physical Review A* 88, 052122 (2013).
10. J. Jing, L.-A. Wu, J. Q. You and T. Yu, Nonperturbative quantum dynamical decoupling, *Physical Review A* 88, 022333 (2013).
11. J. Jing, X. Zhao, J. Q. You and T. Yu, Time-local quantum-state-diffusion equation for multilevel quantum systems, *Physical Review A* 85, 042106 (2012).
12. J. Jing and T. Yu, Non-Markovian Relaxation of a Three-Level System: Quantum Trajectory Approach, *Physical Review Letters* 105, 240403 (2010).
13. J. Jing, Z. G. Lv, and Z. Ficek, Breakdown of the rotating-wave approximation in the description of entanglement of spin-anticorrelated states, *Physical Review A* 79, 044305 (2009).
14. J. Jing and Z. G. Lv, Dynamics of two qubits in a spin bath with anisotropic XY coupling, *Physical Review B* 75, 174425 (2007).
15. J. Jing and H. R. Ma, Polynomial scheme for numerical simulations of the spin-bath decoherence, *Physical Review E* 75, 016701 (2007).