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崔海涛教授

2019-04-30 13:22 审核人:

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教育经历:

- 2004.9~2007.7: 大连理工大学 理论物理专业学习, 获得理学博士学位;
- 2001.9~2004.7: 东北师范大学 理论物理专业学习, 获得理学硕士学位;
- 1997.9~2001.7: 东北师范大学 物理学专业学习, 获得理学学士学位;

工作经历:

- 2019.1~至今: 鲁东大学物理与光电工程学院从事教学科研工作;
- 2007.9~2018.12: 安阳师范学院教师;

目前研究领域:

- 开放量子系统的动力学;
- 量子力学的基本问题;

承担研究课题

- 国家自然科学基金: 11005002 (青年基金), 10747159 (理论物理专项)
- 教育部新世纪优秀人才支持计划 (NCET-11-0937)

主讲课程

- 本科生课程: 量子力学I、II, 大学物理 (公修)

代表性成果

在《Physical Review A》等国内外学术期刊上发表论文37篇, 其中被SCI收录10篇。代表性成果如下:

- 论文

1. Excitation-energy transfer from weak to strong coupling: Role of initial system-bath correlations

M. Qin, C. Y. Wang, **H. T. Cui**, and X. X. Yi

Phys. Rev. A 99, 032111 (2019) - Published 14 March 2019

2. Non-Markovian dynamics of a system of two-level atoms coupled to a structured environment

H. Z. Shen, Shuang Xu, **H. T. Cui**, and X. X. Yi

Phys. Rev. A 99, 032101 (2019) - Published 4 March 2019

3. Bound state and localization of excitation in many-body open systems

H. T. Cui (崔海涛), H. Z. Shen (沈宏志), S. C. Hou (侯少程), and X. X. Yi (衣学喜)

Phys. Rev. A 97, 042129 (2018) - Published 30 April 2018

4. Detecting ground-state degeneracy in many-body systems through qubit decoherence

Hai-Tao Cui, Xue-Xi Yi

Front. Phys. 12(1), 120304 (2017), DOI 10.1007/s11467-016-0641-y

5. Detection of Topological Symmetry in the One-Dimensional Affleck-Kennedy--Lieb-Tasaki Model of Integer Spin with Ultracold Spinor Atoms in Optical Lattices

CUI Hai-Tao, YANG Gui, and TIAN Jun-Long

Scientific China, 56(11),2128-2133 (2013)

6. Maximal overlap with a fully separable state and translational invariance for multipartite entangled states

H. T. Cui, Di Yuan , and J. L. Tian

PHYSICAL REVIEW A **82**, 062116 (2010)

7. Overlap of quantum many-body states with a separable state and phase transitions in the Dicke model: Zero and finite temperature

H.T. Cui

PHYSICAL REVIEW A **81**, 042112 (2010)

8. Geometric phase and quantum phase transition: Two-band model

H. T. Cui,

Physical Review A **78**, 022101 (2008)

9. Multiparticle entanglement in the Lipkin-Meshkov-Glick model

H. T. Cui and Jie Yi

Physical Review A **77**, 052105 (2008)

10. A Study on the sudden death of entanglement

Cui H T ,Li K, Yi X X

Physics Letter A **365**, 44-48 (2007)

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