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博士 1983–1986 上海交通大学

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Ph.D. in Physics (solid state),

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Research Focus

研究领域

- 1、量子光学
- 2、激光物理
- 3、光与物质相互作用

1. Quantum Optics
2. Laser Physics
3. Light-matter Interaction

Representative Publications

代表出版物

1. Xiaodong Zeng, M. Al-Amri, Shiyao Zhu, and M. Suhail Zubairy, "Proposal for reversing the weak measurement with arbitrary maximum photon number", *Phys. Rev. A* 93, 053826 (2016).
2. Fu Li, Hang Zheng & Shi-Yao Zhu, "Quantum correlation in dephasing decay and its effect on interference in three-level systems" *J. Of Modern Opt.* 62, **** (2016)
3. Sankar Davuluri and Shiyao Zhu, "Interference via dephasing effect in upper coupled three-level atoms", *Phys. Scr.* 91, 013008 (2016).
4. Yueyun Hu, Wenxing Liu, Yong Sun, Xi Shi, Jun Jiang, Yaping Yang, Shiyao Zhu, Jorg Evers, and Hong Chen, "Electromagnetically-induced-transparency-like phenomenon with resonant meta-atoms in a cavity", *Phys. Rev. A* 92, 053824 (2015).
5. Yong Sun, Yaping Yang, Hong Chen and Shiyao Zhu, "Dephasing-induced control of interference nature in three-level electromagnetically induced transparency systems", *Sci. Rep.*, 16370 (2015).
6. Li-Gang Wang, Lin Wang, M. Al-Amri, Shi-Yao Zhu and M. Suhail Zubairy, "Wang et al. Reply" *Phys. Rev. Lett.* 114, 089302 (2015).
7. Miao Zhang and Shiyao Zhu, "Application of the weak-measurement technique to study atom-vacuum interactions", *Phys. Rev. A* 92, 043825 (2015).
8. Da-Wei Wang, Han Cai, Luqi Yuan, Shi-Yao Zhu, and Ren-Bao Liu, "Topological phase transitions in superradiance lattices", *Optica* 2, 712 (2015).
9. Fu Li, Jun-Xiang Zhang and Shi-Yao Zhu, "Numerical simulation of the effect of dissipation and phase fluctuation in a direct communication scheme", *J. Phys. B* 48, 115506 (2015).
10. Sankar Davuluri, Yipu Wang and Shiyao Zhu, "Destructive and constructive interference in the coherently driven three-level systems", *J. Of Modern Opt.* 62, 1091 (2015).