



王大伟

百人计划研究员/博士生导师

博士后/研究助理教授/研究副教授	2012-2017	德州农工大学
博士	2008-2012	香港中文大学
学士	2001-2006	同济大学



Dawei Wang

Dr. Dawei Wang

Postdoc./RAP	2012-2017	Texas A&M University
Ph.D.	2008-2012	The Chinese University of Hong Kong
B.S.	2001-2006	Tongji University
Tel:	086-571-88273880	
Cell:	18867513971	
Email:	dwwang@zju.edu.cn	
Homepage:	https://person.zju.edu.cn/0017098	

Research Focus



研究领域

量子光学与量子信息

- 1、利用量子光学系统模拟凝聚态物理，尤其是拓扑绝缘体
- 2、基于超导量子线路的量子计算
- 3、基于量子光源的非线性光学和成像

1. Simulation of topological physics with quantum optical systems
2. Quantum computing based on superconducting circuits
3. Nonlinear optics and imaging with quantum light sources

Representative Publications



代表出版物

1. **Da-Wei Wang**, Chao Song, Wei Feng, Han Cai, Da Xu, Hui Deng, Hekang Li, Dongning Zheng, Xiaobo Zhu, H. Wang, Shi-Yao Zhu and Marlan O. Scully, "Synthesis of antisymmetric spin exchange interaction and chiral spin clusters in superconducting circuits", [Nature Physics 15, 382-386 \(2019\)](#).
2. Han Cai, Jinhong Liu, Jinze Wu, Yanyan He, Shi-Yao Zhu, Jun-Xiang Zhang, and **Da-Wei Wang**, "Experimental Observation of Momentum-Space Chiral Edge Currents in Room-Temperature Atoms", [Phys. Rev. Lett. 122, 023601 \(2019\)](#)
3. **Da-Wei Wang**, Han Cai, Ren-Bao Liu, and Marlan O. Scully, "Mesoscopic superposition states generated by synthetic spin-orbit interaction in Fock-state lattices" [Phys. Rev. Lett. 116, 220502 \(2016\)](#)
4. **Da-Wei Wang**, Ren-Bao Liu, Shi-Yao Zhu, and Marlan O. Scully, "Superradiance lattice" [Phys. Rev. Lett. 114, 043602 \(2015\)](#)
5. **Da-Wei Wang**, Hai-Tao Zhou, Miao-Jun Guo, Jun-Xiang Zhang, Jörg Evers, and Shi-Yao Zhu, "Optical Diode Made from a Moving Photonic Crystal" [Phys. Rev. Lett. 110, 093901 \(2013\)](#)