

Kai Wang

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Education

Sep. 2020 – June 2024:

Institute of Theoretical Physics, University of Chinese Academy of Sciences.
(PhD, Supervisor: DongSheng Wang)

Sep. 2017 – June 2020:

School of Information and Optoelectronic Science Engineering, South China Normal University.
(MSc, Supervisor: ZhiMing Zhang)

Sep. 2013 – June 2017:

School of Physics, Henan Normal University. (BSc)

Publications

1. Nonreciprocal photon blockade in a two-mode cavity with a second-order nonlinearity,
Kai Wang, Qin Wu, Ya-Fei Yu, Zhi-Ming Zhang,
Phys. Rev. A, 100, 053832, (2019).
2. Quantum circuit simulation of superchannels,
Kai Wang, Dong-Sheng Wang,
New J. Phys. 25 043013. (2023).
3. A survey of universal quantum von Neumann architecture,
Yuan-Ting Liu, **Kai Wang**, Yuan-Dong Liu, Dong-Sheng Wang,
Entropy, 25, 1187. (2023).
4. Experimental simulation of quantum superchannels,
Hang Li, **Kai Wang**, Shijie Wei, Fan Yang, Xinyu Chen, Barry C. Sanders,
Dong-Sheng Wang, Gui-Lu Long,
New J. Phys. 26 013037. (2024).

Research Interests

Quantum networks, Quantum error correction, Quantum optomechanics