

Publication List

- 1 **Jin-Guo Liu**, Da Wang and Qiang-Hua Wang, Quantum impurities in channel mixing baths. [Phys. Rev. B **93**, 035102](#) (2016).
- 2 **Jin-Guo Liu**, Zhao-Long Gu, Jian-Xin Li and Qiang-Hua Wang, Sub-system fidelity for ground states in one dimensional interacting systems. [N. J. Phys. **19**\(9\), 093017](#) (2017).
- 3 Yang Yang, Wan-Sheng Wang, **Jin-Guo Liu**, Hua Chen, Jian-Hui Dai and Qiang-Hua Wang, Superconductivity in doped Sr_2IrO_4 : A functional renormalization group study. [Phys. Rev. B **89**, 094518](#) (2014).
- 4 Yao Wang, **Jin-Guo Liu**, Wan-Sheng Wang, and Qiang-Hua Wang, Electronic order near the type-II van Hove singularity in BC_3 . [Phys. Rev. B **97**, 174513](#) (2018)
- 5 Zi Cai, and **Jin-Guo Liu**, Approximating quantum many-body wave functions using artificial neural networks. [Phys. Rev. B **97**, 035116](#) (2018).
- 6 **Jin-Guo Liu**, and Lei Wang, Differentiable learning of quantum circuit Born machine. [arXiv:1804.04168](#) (2018).
- 7 Jin-Feng Zeng, Yu-Feng Wu, **Jin-Guo Liu***, Lei Wang and JiangPing Hu, Learning and Inference on Generative Adversarial Quantum Circuits. [arXiv:1808.03425](#) (2018)
- 8 **Jin-Guo Liu**, Yi-Hong Zhang, Yuan Wan and Lei Wang, Variational Quantum Eigensolver with Fewer Qubits. [arXiv:1902.02663](#) (2019)
- 9 Hai-Jun Liao, **Jin-Guo Liu**, Lei Wang, Tao Xiang, Differentiable Programming Tensor Networks [arXiv:1903.09650](#) (2019)

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