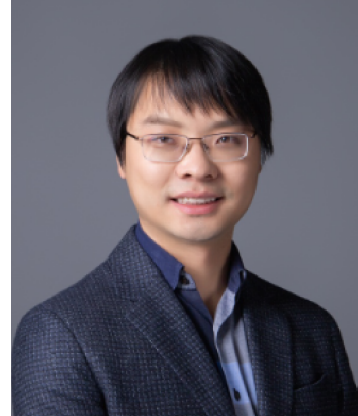


Large-scale Quantum Optical Chips

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Abstract—

Dr. Jianwei Wang is a Professor in the Physics department at Peking University. He obtained his PhD from the University of Bristol in 2016. His research group focuses on Quantum Information Science and Technologies with Integrated Photonics. The team has made important contributions to the advancement of large-scale integrated photonic quantum technologies. Their work centers around on-chip generation, processing, and detection of complex entangled states of light, as well as integrated photonic quantum computing, quantum networking, and quantum simulation. Dr. Wang has a prolific publication record, with peer-reviewed papers in prestigious journals such as Science, Nature, Nature Physics, Nature Photonics, Nature Materials, Nature Elec-



tronics, Nature Computational Science, Nature Review Physics, Nature Communications, Science Advances, PRL, and Optica, in addition to 6 CLEO post-deadline papers. He has been awarded the National Science Fund for Distinguished Young Scholars (2023), Daheng Wang Award (2023), C.N. Yang Award (2022), and Yutai Rao Fundamental Optics Award (2019).