Xiaodong Wu

List of Publications by Year
in descending order

53 papers	1,256 citations	567281 15 h-index	361022 35 g-index
53 all docs	53 docs citations	53 times ranked	459 citing authors

#	Article	IF	Citations
1	Long-distance continuous-variable quantum key distribution by controlling excess noise. Scientific Reports, 2016, 6, 19201.	3.3	284
2	High-speed continuous-variable quantum key distribution without sending a local oscillator. Optics Letters, 2015, 40, 3695.	3.3	188
3	Continuous-variable quantum key distribution with 1 Mbps secure key rate. Optics Express, 2015, 23, 17511.	3.4	157
4	Field demonstration of a continuous-variable quantum key distribution network. Optics Letters, 2016, 41, 3511.	3.3	111
5	Channel-parameter estimation for satellite-to-submarine continuous-variable quantum key distribution. Physical Review A, 2018, 97, .	2.5	53
6	Continuous-variable quantum key distribution based on a plug-and-play dual-phase-modulated coherent-states protocol. Physical Review A, 2016, 94, .	2.5	44
7	Entanglement-distillation attack on continuous-variable quantum key distribution in a turbulent atmospheric channel. Physical Review A, 2017, 96, .	2.5	42
8	Passive continuous-variable quantum secret sharing using a thermal source. Physical Review A, 2020, 101, .	2.5	39
9	Dual-phase-modulated plug-and-play measurement-device-independent continuous-variable quantum key distribution. Optics Express, 2018, 26, 19907.	3.4	24
10	Performance analysis of the satellite-to-ground continuous-variable quantum key distribution with orthogonal frequency division multiplexed modulation. Quantum Information Processing, 2019, 18, 1.	2.2	24
11	Quantum relay schemes for continuous-variable quantum key distribution. Physical Review A, 2017, 95, .	2.5	21
12	Hidden-Markov-model-based calibration-attack recognition for continuous-variable quantum key distribution. Physical Review A, 2020, 101, .	2.5	18
13	Composable security of unidimensional continuous-variable quantum key distribution. Quantum Information Processing, 2018, 17, 1.	2.2	16
14	Simultaneous measurement-device-independent continuous variable quantum key distribution with realistic detector compensation. Frontiers of Physics, 2020, 15, 1.	5.0	16
15	Passive continuous-variable quantum key distribution using a locally generated local oscillator. Physical Review A, 2021, 103, .	2.5	16
16	Multibit quantum digital signature with continuous variables using basis encoding over insecure channels. Physical Review A, 2021, 103, .	2.5	16
17	Long-distance continuous-variable quantum key distribution using separable Gaussian states. Physical Review A, 2018, 98, .	2.5	14
18	Security analysis of passive measurement-device-independent continuous-variable quantum key distribution with almost no public communication. Quantum Information Processing, 2019, 18, 1.	2.2	14

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19	Indoor channel modeling for continuous variable quantum key distribution in the terahertz band. Optics Express, 2020, 28, 32386.	3.4	12
20	A quantum image encryption algorithm based on the Feistel structure. Quantum Information Processing, 2022, 21, 1.	2.2	12
21	Enhancing of Self-Referenced Continuous-Variable Quantum Key Distribution with Virtual Photon Subtraction. Entropy, 2018, 20, 578.	2.2	10
22	Simultaneous Classical Communication and Quantum Key Distribution Based on Plug-and-Play Configuration with an Optical Amplifier. Entropy, 2019, 21, 333.	2.2	10
23	Beyond universal attack detection for continuous-variable quantum key distribution via deep learning. Physical Review A, 2022, 105, .	2.5	10
24	Secure Continuous-Variable Quantum Key Distribution with Machine Learning. Photonics, 2021, 8, 511.	2.0	8
25	Parameter Optimization Based BPNN of Atmosphere Continuous-Variable Quantum Key Distribution. Entropy, 2019, 21, 908.	2.2	7
26	Quantum digital signature based on measurement-device-independent continuous-variable scheme. Quantum Information Processing, 2021, 20, 1.	2.2	7
27	Discrete-modulated continuous-variable quantum key distribution with a machine-learning-based detector. Optical Engineering, 2018, 57, 1.	1.0	7
28	Practical Security Bounds against Trojan Horse Attacks in Continuous-Variable Quantum Key Distribution. Applied Sciences (Switzerland), 2020, 10, 7788.	2.5	6
29	Parameter estimation of orbital angular momentum based continuous-variable quantum key distribution. Journal of Applied Physics, 2020, 127, 213102.	2.5	6
30	Wavelength attack on atmospheric continuous-variable quantum key distribution. Physical Review A, 2021, 103, .	2.5	6
31	A quantum hash function with grouped coarse-grained boson sampling. Quantum Information Processing, 2022, 21, 1.	2.2	6
32	Practical Security Analysis of Reference Pulses for Continuous-Variable Quantum Key Distribution. Scientific Reports, 2019, 9, 18155.	3.3	5
33	Performance improvement of plug-and-play dual-phase-modulated continuous-variable quantum key distribution with quantum catalysis. Quantum Information Processing, 2020, 19, 1.	2.2	5
34	A structural approach to vibrational properties ranging from crystals to disordered systems. Soft Matter, 2021, 17, 1330-1336.	2.7	5
35	Phase-noise estimation using Bayesian inference for discretely modulated measurement-device-independent continuous-variable quantum key distribution. Physical Review A, 2020, 102, .	2.5	4
36	Key-sifting algorithms for continuous-variable quantum key distribution. Physical Review A, 2021, 104, .	2.5	4

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37	Phase Estimation and Compensation for Continuous-Variable Quantum Key Distribution. International Journal of Theoretical Physics, 2019, 58, 1613-1625.	1.2	3
38	Implementation of Pruned Backpropagation Neural Network Based on Photonic Integrated Circuits. Photonics, 2021, 8, 363.	2.0	3
39	Passive-state preparation for continuous variable quantum key distribution in atmospheric channel. Quantum Information Processing, 2021, 20, 1.	2.2	3
40	Low-Rate Denial-of-Service Attack Detection: Defense Strategy Based on Spectral Estimation for CV-QKD. Photonics, 2022, 9, 365.	2.0	3
41	Improving the Maximum Transmission Distance of Self-Referenced Continuous-Variable Quantum Key Distribution Using a Noiseless Linear Amplifier. Entropy, 2018, 20, 461.	2.2	2
42	Polarization-Multiplexed Quadrature Amplitude Modulation for Continuous-Variable Quantum Key Distribution. International Journal of Theoretical Physics, 2019, 58, 209-220.	1.2	2
43	Virtual zero-photon catalysis for improving continuous-variable quantum key distribution via Gaussian post-selection. Scientific Reports, 2020, 10, 17526.	3.3	2
44	Multi-mode plug-and-play dual-phase-modulated continuous-variable quantum key distribution. Quantum Information Processing, 2021, 20, 1.	2.2	2
45	Deep Neural Network Based Reconciliation for CV-QKD. Photonics, 2022, 9, 110.	2.0	2
46	Phase-Matching Continuous-Variable Measurement-Device-Independent Quantum Key Distribution. Symmetry, 2022, 14, 568.	2.2	2
47	Security Analysis of a Passive Continuous-Variable Quantum Key Distribution by Considering Finite-Size Effect. Entropy, 2021, 23, 1698.	2.2	2
48	Continuous-Variable Quantum Key Distribution with Orthogonal Frequency Division Multiplexing Modulation. International Journal of Theoretical Physics, 2018, 57, 2956-2967.	1.2	1
49	Unidimensional Continuous-variable Quantum Key Distribution Based on Basis-encoding Coherent States Protocol. International Journal of Theoretical Physics, 2020, 59, 1730-1741.	1.2	1
50	Neural Network-Powered Nonlinear Compensation Framework for High-Speed Continuous Variable Quantum Key Distribution. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	1
51	Practical Security Analysis of Self-Referenced CV-QKD System in the Presence of Polarization Aberration. International Journal of Theoretical Physics, 2019, 58, 2091-2105.	1.2	0
52	Improving the performance of ghost imaging via measurement-driven framework. Scientific Reports, 2021, 11, 6776.	3.3	0
53	Continuous variable quantum secret sharing using directly modulated lasers. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2645.	2.1	0