

Xiaodong Wu

List of Publications by Year in descending order

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53
papers

1,256
citations

567281

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361022

35
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53
all docs

53
docs citations

53
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantum hash function with grouped coarse-grained boson sampling. Quantum Information Processing, 2022, 21, 1.	2.2	6
2	Deep Neural Network Based Reconciliation for CV-QKD. Photonics, 2022, 9, 110.	2.0	2
3	Phase-Matching Continuous-Variable Measurement-Device-Independent Quantum Key Distribution. Symmetry, 2022, 14, 568.	2.2	2
4	Beyond universal attack detection for continuous-variable quantum key distribution via deep learning. Physical Review A, 2022, 105, .	2.5	10
5	A quantum image encryption algorithm based on the Feistel structure. Quantum Information Processing, 2022, 21, 1.	2.2	12
6	Neural Network-Powered Nonlinear Compensation Framework for High-Speed Continuous Variable Quantum Key Distribution. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	1
7	Low-Rate Denial-of-Service Attack Detection: Defense Strategy Based on Spectral Estimation for CV-QKD. Photonics, 2022, 9, 365.	2.0	3
8	A structural approach to vibrational properties ranging from crystals to disordered systems. Soft Matter, 2021, 17, 1330-1336.	2.7	5
9	Wavelength attack on atmospheric continuous-variable quantum key distribution. Physical Review A, 2021, 103, .	2.5	6
10	Passive continuous-variable quantum key distribution using a locally generated local oscillator. Physical Review A, 2021, 103, .	2.5	16
11	Improving the performance of ghost imaging via measurement-driven framework. Scientific Reports, 2021, 11, 6776.	3.3	0
12	Multi-mode plug-and-play dual-phase-modulated continuous-variable quantum key distribution. Quantum Information Processing, 2021, 20, 1.	2.2	2
13	Key-sifting algorithms for continuous-variable quantum key distribution. Physical Review A, 2021, 104, .	2.5	4
14	Quantum digital signature based on measurement-device-independent continuous-variable scheme. Quantum Information Processing, 2021, 20, 1.	2.2	7
15	Implementation of Pruned Backpropagation Neural Network Based on Photonic Integrated Circuits. Photonics, 2021, 8, 363.	2.0	3
16	Passive-state preparation for continuous variable quantum key distribution in atmospheric channel. Quantum Information Processing, 2021, 20, 1.	2.2	3
17	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
18	Multibit quantum digital signature with continuous variables using basis encoding over insecure channels. Physical Review A, 2021, 103, .	2.5	16

#	ARTICLE	IF	CITATIONS
19	Secure Continuous-Variable Quantum Key Distribution with Machine Learning. <i>Photonics</i> , 2021, 8, 511.	2.0	8
20	Security Analysis of a Passive Continuous-Variable Quantum Key Distribution by Considering Finite-Size Effect. <i>Entropy</i> , 2021, 23, 1698.	2.2	2
21	Phase-noise estimation using Bayesian inference for discretely modulated measurement-device-independent continuous-variable quantum key distribution. <i>Physical Review A</i> , 2020, 102, .	2.5	4
22	Performance improvement of plug-and-play dual-phase-modulated continuous-variable quantum key distribution with quantum catalysis. <i>Quantum Information Processing</i> , 2020, 19, 1.	2.2	5
23	Practical Security Bounds against Trojan Horse Attacks in Continuous-Variable Quantum Key Distribution. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7788.	2.5	6
24	Virtual zero-photon catalysis for improving continuous-variable quantum key distribution via Gaussian post-selection. <i>Scientific Reports</i> , 2020, 10, 17526.	3.3	2
25	Parameter estimation of orbital angular momentum based continuous-variable quantum key distribution. <i>Journal of Applied Physics</i> , 2020, 127, 213102.	2.5	6
26	Hidden-Markov-model-based calibration-attack recognition for continuous-variable quantum key distribution. <i>Physical Review A</i> , 2020, 101, .	2.5	18
27	Simultaneous measurement-device-independent continuous variable quantum key distribution with realistic detector compensation. <i>Frontiers of Physics</i> , 2020, 15, 1.	5.0	16
28	Passive continuous-variable quantum secret sharing using a thermal source. <i>Physical Review A</i> , 2020, 101, .	2.5	39
29	Unidimensional Continuous-variable Quantum Key Distribution Based on Basis-encoding Coherent States Protocol. <i>International Journal of Theoretical Physics</i> , 2020, 59, 1730-1741.	1.2	1
30	Indoor channel modeling for continuous variable quantum key distribution in the terahertz band. <i>Optics Express</i> , 2020, 28, 32386.	3.4	12
31	Simultaneous Classical Communication and Quantum Key Distribution Based on Plug-and-Play Configuration with an Optical Amplifier. <i>Entropy</i> , 2019, 21, 333.	2.2	10
32	Security analysis of passive measurement-device-independent continuous-variable quantum key distribution with almost no public communication. <i>Quantum Information Processing</i> , 2019, 18, 1.	2.2	14
33	Practical Security Analysis of Self-Referenced CV-QKD System in the Presence of Polarization Aberration. <i>International Journal of Theoretical Physics</i> , 2019, 58, 2091-2105.	1.2	0
34	Phase Estimation and Compensation for Continuous-Variable Quantum Key Distribution. <i>International Journal of Theoretical Physics</i> , 2019, 58, 1613-1625.	1.2	3
35	Parameter Optimization Based BPNN of Atmosphere Continuous-Variable Quantum Key Distribution. <i>Entropy</i> , 2019, 21, 908.	2.2	7
36	Practical Security Analysis of Reference Pulses for Continuous-Variable Quantum Key Distribution. <i>Scientific Reports</i> , 2019, 9, 18155.	3.3	5

#	ARTICLE	IF	CITATIONS
37	Performance analysis of the satellite-to-ground continuous-variable quantum key distribution with orthogonal frequency division multiplexed modulation. <i>Quantum Information Processing</i> , 2019, 18, 1.	2.2	24
38	Polarization-Multiplexed Quadrature Amplitude Modulation for Continuous-Variable Quantum Key Distribution. <i>International Journal of Theoretical Physics</i> , 2019, 58, 209-220.	1.2	2
39	Composable security of unidimensional continuous-variable quantum key distribution. <i>Quantum Information Processing</i> , 2018, 17, 1.	2.2	16
40	Improving the Maximum Transmission Distance of Self-Referenced Continuous-Variable Quantum Key Distribution Using a Noiseless Linear Amplifier. <i>Entropy</i> , 2018, 20, 461.	2.2	2
41	Long-distance continuous-variable quantum key distribution using separable Gaussian states. <i>Physical Review A</i> , 2018, 98, .	2.5	14
42	Enhancing of Self-Referenced Continuous-Variable Quantum Key Distribution with Virtual Photon Subtraction. <i>Entropy</i> , 2018, 20, 578.	2.2	10
43	Channel-parameter estimation for satellite-to-submarine continuous-variable quantum key distribution. <i>Physical Review A</i> , 2018, 97, .	2.5	53
44	Continuous-Variable Quantum Key Distribution with Orthogonal Frequency Division Multiplexing Modulation. <i>International Journal of Theoretical Physics</i> , 2018, 57, 2956-2967.	1.2	1
45	Dual-phase-modulated plug-and-play measurement-device-independent continuous-variable quantum key distribution. <i>Optics Express</i> , 2018, 26, 19907.	3.4	24
46	Discrete-modulated continuous-variable quantum key distribution with a machine-learning-based detector. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	7
47	Entanglement-distillation attack on continuous-variable quantum key distribution in a turbulent atmospheric channel. <i>Physical Review A</i> , 2017, 96, .	2.5	42
48	Quantum relay schemes for continuous-variable quantum key distribution. <i>Physical Review A</i> , 2017, 95, .	2.5	21
49	Long-distance continuous-variable quantum key distribution by controlling excess noise. <i>Scientific Reports</i> , 2016, 6, 19201.	3.3	284
50	Continuous-variable quantum key distribution based on a plug-and-play dual-phase-modulated coherent-states protocol. <i>Physical Review A</i> , 2016, 94, .	2.5	44
51	Field demonstration of a continuous-variable quantum key distribution network. <i>Optics Letters</i> , 2016, 41, 3511.	3.3	111
52	Continuous-variable quantum key distribution with 1 Mbps secure key rate. <i>Optics Express</i> , 2015, 23, 17511.	3.4	157
53	High-speed continuous-variable quantum key distribution without sending a local oscillator. <i>Optics Letters</i> , 2015, 40, 3695.	3.3	188