Hua-Lei Yin

List of Publications by Year
in descending order

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45 papers	2,656 citations	279701 23 h-index	254106 43 g-index
49 all docs	49 docs citations	49 times ranked	1379 citing authors

#	Article	IF	Citations
1	Automated machine learning for secure key rate in discrete-modulated continuous-variable quantum key distribution. Optics Express, 2022, 30, 15024.	1.7	16
2	Experimental Quantum Advantage with Quantum Coupon Collector. Research, 2022, 2022, 9798679.	2.8	27
3	Breaking the Rate-Loss Bound of Quantum Key Distribution with Asynchronous Two-Photon Interference. PRX Quantum, 2022, 3, .	3.5	124
4	Neural network-based prediction of the secret-key rate of quantum key distribution. Scientific Reports, 2022, 12, .	1.6	7
5	Simple security proof of coherent-one-way quantum key distribution. Optics Express, 2022, 30, 23783.	1.7	5
6	High Key Rate Quantum Conference Key Agreement With Unconditional Security. IEEE Access, 2021, 9, 128870-128876.	2.6	11
7	Overcoming the rateâ€“distance limit of device-independent quantum key distribution. Optics Letters, 2021, 46, 1632.	1.7	16
8	Efficient quantum digital signatures without symmetrization step. Optics Express, 2021, 29, 10162.	1.7	32
9	Differential phase shift quantum secret sharing using a twin field. Optics Express, 2021, 29, 9165.	1.7	30
10	Coherent one-way quantum conference key agreement based on twin field. New Journal of Physics, 2021, 23, 043002.	1.2	23
11	Overcoming the rateâ€“distance limit of device-independent quantum key distribution: erratum. Optics Letters, 2021, 46, 2609.	1.7	4
12	Differential Phase Shift Quantum Secret Sharing Using a Twin Field with Asymmetric Source Intensities. Entropy, 2021, 23, 716.	1.1	11
13	Secure and practical multiparty quantum digital signatures. Optics Express, 2021, 29, 27661.	1.7	14
14	Finite-key analysis for quantum conference key agreement with asymmetric channels. Quantum Science and Technology, 2021, 6, 045019.	2.6	21
15	Secure quantum secret sharing without signal disturbance monitoring. Optics Express, 2021, 29, 32244.	1.7	19
16	Long-distance twin-field quantum key distribution with entangled sources. Optics Letters, 2021, 46, 5529.	1.7	18
17	Homodyne Detection Quadrature Phase Shift Keying Continuous-Variable Quantum key Distribution with High Excess Noise Tolerance. PRX Quantum, 2021, 2, .	3.5	50
18	Tight security bounds for decoy-state quantum key distribution. Scientific Reports, 2020, 10, 14312.	1.6	31

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19	Experimental composable security decoy-state quantum key distribution using time-phase encoding. Optics Express, 2020, 28, 29479.	1.7	17
20	Secure BB84-type quantum key distribution with a simple phase error formula: retraction. Optics Letters, 2020, 45, 3385.	1.7	0
21	Coherent-State-Based Twin-Field Quantum Key Distribution. Scientific Reports, 2019, 9, 14918.	1.6	38
22	Measurement-Device-Independent Twin-Field Quantum Key Distribution. Scientific Reports, 2019, 9, 3045.	1.6	64
23	Finite-key analysis for twin-field quantum key distribution with composable security. Scientific Reports, 2019, 9, 17113.	1.6	34
24	Phase self-aligned continuous-variable measurement-device-independent quantum key distribution. Scientific Reports, 2019, 9, 49.	1.6	16
25	Secure and efficient synchronization scheme for quantum key distribution. OSA Continuum, 2019, 2, 2883.	1.8	8
26	Experimental integration of quantum key distribution and gigabit-capable passive optical network. Journal of Applied Physics, 2018, 123, .	1.1	13
27	Long-distance copropagation of quantum key distribution and terabit classical optical data channels. Physical Review A, 2017, 95, .	1.0	79
28	Direct counterfactual communication via quantum Zeno effect. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4920-4924.	3.3	68
29	Experimental quantum digital signature over 102 km. Physical Review A, 2017, 95, .	1.0	52
30	Experimental measurement-device-independent quantum digital signatures over a metropolitan network. Physical Review A, 2017, 95, .	1.0	52
31	Security of quantum key distribution with multiphoton components. Scientific Reports, 2016, 6, 29482.	1.6	21
32	Detector-decoy quantum key distribution without monitoring signal disturbance. Physical Review A, 2016, 93, .	1.0	18
33	Practical quantum digital signature. Physical Review A, 2016, 93, .	1.0	74
34	Observation of Quantum Fingerprinting Beating the Classical Limit. Physical Review Letters, 2016, 116, 240502.	2.9	48
35	Measurement-Device-Independent Quantum Key Distribution over Untrustful Metropolitan Network. Physical Review X, 2016, 6, .	2.8	120
36	Measurement-Device-Independent Quantum Key Distribution Over a 404Âkm Optical Fiber. Physical Review Letters, 2016, 117, 190501.	2.9	615

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37	Long-Distance Measurement-Device-Independent Multiparty Quantum Communication. Physical Review Letters, 2015, 114, 090501.	2.9	126
38	Publisherâ€™s Note: Measurement-Device-Independent Quantum Key Distribution over 200Âkm [Phys. Rev. Lett.113, 190501 (2014)]. Physical Review Letters, 2015, 114, .	2.9	4
39	Field Test of Measurement-Device-Independent Quantum Key Distribution. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 116-122.	1.9	30
40	Long-distance measurement-device-independent quantum key distribution with coherent-state superpositions. Optics Letters, 2014, 39, 5451.	1.7	33
41	Measurement-Device-Independent Quantum Key Distribution over 200Âkm. Physical Review Letters, 2014, 113, 190501.	2.9	220
42	Experimental Measurement-Device-Independent Quantum Key Distribution. Physical Review Letters, 2013, 111, 130502.	2.9	344
43	Source attack of decoy-state quantum key distribution using phase information. Physical Review A, 2013, 88, .	1.0	100
44	Experimental Realization of Measurement Device Independent Quantum Key Distribution. , 2013, , .		0
45	Experimental Realization of Measurement Device Independent Quantum Key Distribution. , 2013, , .		0