Wei Huang

List of Publications by Year
in descending order

56	1,521	279701 23	315616 38
papers	citations	h-index	g-index

58	58	58	551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiparty quantum key agreement with single particles. Quantum Information Processing, 2013, 12, 1797-1805.	1.0	137
2	Quantum private query: A new kind of practical quantum cryptographic protocol. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	106
3	Efficient quantum private comparison employing single photons and collective detection. Quantum Information Processing, 2013, 12, 887-897.	1.0	99
4	QKD-based quantum private query without a failure probability. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	2.0	95
5	Quantum key agreement with EPR pairs and single-particle measurements. Quantum Information Processing, 2014, 13, 649-663.	1.0	78
6	Postprocessing of the Oblivious Key in Quantum Private Query. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 98-108.	1.9	70
7	Fault tolerant quantum secure direct communication with quantum encryption against collective noise. Chinese Physics B, 2012, 21, 100308.	0.7	60
8	Cryptanalysis of a multi-party quantum key agreement protocol with single particles. Quantum Information Processing, 2014, 13, 1651-1657.	1.0	56
9	Multi-party quantum private comparison protocol with $$n$$ n -level entangled states. Quantum Information Processing, 2014, 13, 2375-2389.	1.0	55
10	Improved multiparty quantum key agreement in travelling mode. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	2.0	54
11	Discrete-time interacting quantum walks and quantum Hash schemes. Quantum Information Processing, 2013, 12, 1501-1513.	1.0	52
12	Decoy-state method for quantum-key-distribution-based quantum private query. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	2.0	49
13	Robust and efficient quantum private comparison of equality with collective detection over collective-noise channels. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1670-1678.	2.0	46
14	Quantum anonymous ranking. Physical Review A, 2014, 89, .	1.0	46
15	Quantum private comparison against decoherence noise. Quantum Information Processing, 2013, 12, 2191-2205.	1.0	40
16	High speed continuous variable source-independent quantum random number generation. Quantum Science and Technology, 2019, 4, 025013.	2.6	40
17	Quantum Key Agreement Against Collective Decoherence. International Journal of Theoretical Physics, 2014, 53, 2891-2901.	0.5	37
18	Quantum Block Image Encryption Based on Arnold Transform and Sine Chaotification Model. IEEE Access, 2019, 7, 57188-57199.	2.6	33

#	Article	IF	Citations
19	Controllable Asymmetry Attack on Two-Way Fiber Time Synchronization System. IEEE Photonics Journal, 2021, 13, 1-6.	1.0	30
20	Efficient multiparty quantum key agreement with collective detection. Scientific Reports, 2017, 7, 15264.	1.6	28
21	Parameter optimization and real-time calibration of a measurement-device-independent quantum key distribution network based on a back propagation artificial neural network. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B92.	0.9	25
22	Fault-Tolerant Quantum Secure Direct Communication Protocol Based On Decoherence-Free States. International Journal of Theoretical Physics, 2015, 54, 589-597.	0.5	24
23	Three-particle QKD protocol against a collective noise. Optics Communications, 2011, 284, 536-540.	1.0	23
24	Deterministic Secure Quantum Communication with Collective Detection Using Single Photons. International Journal of Theoretical Physics, 2012, 51, 2787-2797.	0.5	20
25	117 Gbits/s Quantum Random Number Generation With Simple Structure. IEEE Photonics Technology Letters, 2017, 29, 283-286.	1.3	20
26	Quantum private comparison employing single-photon interference. Quantum Information Processing, 2017, 16, 1.	1.0	18
27	Quantum identity authentication in the orthogonal-state-encoding QKD system. Quantum Information Processing, 2019, 18, 1.	1.0	17
28	Cryptanalysis and Improvement of a Multi-User Quantum Communication Network Using Ï‡-Type Entangled States. International Journal of Theoretical Physics, 2013, 52, 1354-1361.	0.5	15
29	Quantum Private Comparison Based on Phase Encoding of Single Photons. International Journal of Theoretical Physics, 2014, 53, 3191-3200.	0.5	13
30	Experimental three-party quantum random number generator based on dimension witness violation and weak measurement. Optics Letters, 2018, 43, 3437.	1.7	12
31	Quantum Identity Authentication in the Counterfactual Quantum Key Distribution Protocol. Entropy, 2019, 21, 518.	1.1	12
32	Cryptanalysis and improvement of a quantum communication-based online shopping mechanism. Quantum Information Processing, 2015, 14, 2211-2225.	1.0	11
33	Authenticated Quantum Key Distribution with Collective Detection using Single Photons. International Journal of Theoretical Physics, 2016, 55, 4238-4256.	0.5	9
34	Compact quantum random number generator based on superluminescent light-emitting diodes. Review of Scientific Instruments, 2017, 88, 123115.	0.6	9
35	Choice of measurement as the secret. Physical Review A, 2014, 89, .	1.0	7
36	Multi-user quantum key distribution with collective eavesdropping detection over collective-noise channels. Chinese Physics B, 2015, 24, 070308.	0.7	7

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37	QKD-Based Quantum Private Query Protocol in the Single-Photon Interference Communication System. IEEE Access, 2019, 7, 104749-104758.	2.6	7
38	Design and Analysis of a Security-Enhanced Three-Party Authenticated Key Agreement Protocol Based on Chaotic Maps. IEEE Access, 2020, 8, 66150-66162.	2.6	7
39	Randomness quantification for quantum random number generation based on detection of amplified spontaneous emission noise. Quantum Science and Technology, 2021, 6, 015002.	2.6	7
40	An Arbitrated Quantum Signature with Bell States. International Journal of Theoretical Physics, 2014, 53, 1569-1579.	0.5	6
41	Effects of relaxed assumptions on semi-device-independent randomness expansion. Physical Review A, 2014, 89, .	1.0	5
42	Fault-tolerant quantum cryptographic protocols with collective detection over the collective amplitude damping channel. Physica Scripta, 2014, 89, 075102.	1.2	5
43	Determination of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>W</mml:mi></mml:math>states equivalent under stochastic local operations and classical communication by their bipartite reduced density matrices with tree form. Physical Review A, 2014, 90, .	1.0	4
44	Quantum bit commitment with cheat sensitive binding and approximate sealing. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 135302.	0.7	4
45	Tighter bound of quantum randomness certification for independent-devices scenario. Scientific Reports, 2017, 7, 14666.	1.6	4
46	A New Protocol for Quantum Private Query Against Joint-Measurement Attack. International Journal of Theoretical Physics, 2019, 58, 1828-1835.	0.5	4
47	Arbitrated quantum signature scheme based onÏ‡-type entangled states. Physica Scripta, 2013, 88, 045001.	1.2	3
48	Proof-of-principle implementation of a quantum random number generator with independent devices and a dimension witness. Optics Letters, 2017, 42, 4139.	1.7	3
49	A Quantum Private Comparison Protocol with Splitting Information Carriers. International Journal of Theoretical Physics, 2015, 54, 281-291.	0.5	2
50	Quantum Identity Authentication Based on Round Robin Differencial Phase Shift Communication Line. International Journal of Theoretical Physics, 2022, 61, 1.	0.5	2
51	Comment on â€œQuantum oblivious set-member decision protocolâ€• Physical Review A, 2016, 93, .	1.0	1
52	Security of BB84 with weak randomness and imperfect qubit encoding. Quantum Information Processing, 2018, 17, 1.	1.0	1
53	Optimality of quantum randomness certification with independent devices. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2186.	0.9	1
54	ESPQuery: An Enhanced Secure Scheme for Privacy-Preserving Query Based on Untrusted Devices in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 7229-7240.	5.5	1

#	Article	IF	Citations
55	Controlling the key by choosing the detection bits in quantum cryptographic protocols. Science China Information Sciences, 2015, 58, 1-11.	2.7	0
56	Authenticated QKD Based on Orthogonal States. International Journal of Theoretical Physics, 2022, 61, .	0.5	0