Cai Zhang

List of Publications by Year
in descending order

27 papers	431 citations
933447	713466
10 h-index	21 g-index
27 all docs	27 docs citations
27 times ranked	151 citing authors

#	Article	IF	Citations
1	Improvements on "multiparty quantum key agreement with single particles" Quantum Information Processing, 2013, 12, 3411-3420.	2.2	91
2	Multi-Party Quantum Key Agreement by an Entangled Six-Qubit State. International Journal of Theoretical Physics, 2016, 55, 1920-1929.	1.2	58
3	High-Capacity Quantum Summation with Single Photons in Both Polarization and Spatial-Mode Degrees of Freedom. International Journal of Theoretical Physics, 2014, 53, 933-941.	1.2	46
4	Three-party quantum summation without a trusted third party. International Journal of Quantum Information, 2015, 13, 1550011.	1.1	45
5	Multi-party quantum summation without a trusted third party based on single particles. International Journal of Quantum Information, 2017, 15, 1750010.	1.1	35
6	Quantum Coherence and Correlation in Spin Models with Dzyaloshinskii-Moriya Interaction. International Journal of Theoretical Physics, 2017, 56, 2178-2191.	1.2	26
7	Protecting Quantum Correlation from Correlated Amplitude Damping Channel. Brazilian Journal of Physics, 2017, 47, 400-405.	1.4	16
8	Efficient Multiparty Quantum Key Agreement With a Single d -Level Quantum System Secure Against Collusive Attack. IEEE Access, 2019, 7, 102377-102385.	4.2	14
9	Performance analysis of simultaneous dense coding protocol under decoherence. Quantum Information Processing, 2017, 16, 1.	2.2	13
10	Multi-Party Quantum Summation Based on Quantum Teleportation. Entropy, 2019, 21, 719.	2.2	10
11	Improvements on "Secure multi-party quantum summation based on quantum Fourier transform" Quantum Information Processing, 2019, 18, 1.	2.2	9
12	Quantum summation using d-level entanglement swapping. Quantum Information Processing, 2021, 20, 1.	2.2	9
13	Secure Three-Party Semi-quantum Summation Using Single Photons. International Journal of Theoretical Physics, 2021, 60, 3478-3487.	1.2	9
14	Equivalence of Quantum Resource Measures for X States. International Journal of Theoretical Physics, 2017, 56, 3615-3624.	1.2	8
15	Efficient simultaneous dense coding and teleportation with two-photon four-qubit cluster states. International Journal of Quantum Information, 2016, 14, 1650023.	1.1	7
16	Information Leakage in Efficient Bidirectional Quantum Secure Direct Communication with Single Photons in Both Polarization and Spatial-Mode Degrees of Freedom. International Journal of Theoretical Physics, 2016, 55, 4702-4708.	1.2	7
17	New Fair Multiparty Quantum Key Agreement Secure against Collusive Attacks. Scientific Reports, 2019, 9, 17177.	3.3	7
18	Cryptanalysis and improvement of a semi-quantum private comparison protocol based on Bell states. Quantum Information Processing, 2021, 20, 1.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Three-party quantum private computation of cardinalities of set intersection and union based on GHZ states. Scientific Reports, 2020, 10, 22246.	3.3	5
20	Standard (3,Â5)-threshold quantum secret sharing by maximally entangled 6-qubit states. Scientific Reports, 2021, 11, 22649.	3.3	3
21	Secure device-independent quantum bit-wise XOR summation based on a pseudo-telepathy game. Quantum Information Processing, 2022, 21, 1.	2.2	3
22	Improvements on â€œMulti-party Quantum Key Agreement Protocol with Bell States and Single Particlesâ€. International Journal of Theoretical Physics, 2020, 59, 1623-1637.	1.2	2
23	An efficient circle-type multiparty quantum key agreement protocol with single particles. International Journal of Modern Physics B, 2020, 34, 2050199.	2.0	1
24	Towards Automatically Construct Quantum Circuits for Quantum Programs with Quantum Control. , 2017, , .		0
25	Experimental demonstration of conflicting interest nonlocal games using superconducting qubits. Quantum Information Processing, 2018, 17, 1.	2.2	0
26	Secure Private Comparison of Equality using Quantum Resources. Journal of Physics: Conference Series, 2021, 1995, 012070.	0.4	0
27	Efficient Multiparty Quantum Key Agreement Using Block-Based Single Particles. International Journal of Theoretical Physics, 2022, 61, 1.	1.2	0