

# Cai Zhang

## List of Publications by Year in descending order

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27  
papers

431  
citations

933447

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h-index

713466

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g-index

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all docs

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docs citations

27  
times ranked

151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Secure device-independent quantum bit-wise XOR summation based on a pseudo-telepathy game. Quantum Information Processing, 2022, 21, 1.	2.2	3
2	Efficient Multiparty Quantum Key Agreement Using Block-Based Single Particles. International Journal of Theoretical Physics, 2022, 61, 1.	1.2	0
3	Quantum summation using d-level entanglement swapping. Quantum Information Processing, 2021, 20, 1.	2.2	9
4	Cryptanalysis and improvement of a semi-quantum private comparison protocol based on Bell states. Quantum Information Processing, 2021, 20, 1.	2.2	7
5	Secure Three-Party Semi-quantum Summation Using Single Photons. International Journal of Theoretical Physics, 2021, 60, 3478-3487.	1.2	9
6	Secure Private Comparison of Equality using Quantum Resources. Journal of Physics: Conference Series, 2021, 1995, 012070.	0.4	0
7	Standard $(3, \hat{A}5)$ -threshold quantum secret sharing by maximally entangled 6-qubit states. Scientific Reports, 2021, 11, 22649.	3.3	3
8	An efficient circle-type multiparty quantum key agreement protocol with single particles. International Journal of Modern Physics B, 2020, 34, 2050199.	2.0	1
9	Three-party quantum private computation of cardinalities of set intersection and union based on GHZ states. Scientific Reports, 2020, 10, 22246.	3.3	5
10	Improvements on "Multi-party Quantum Key Agreement Protocol with Bell States and Single Particles". International Journal of Theoretical Physics, 2020, 59, 1623-1637.	1.2	2
11	Multi-Party Quantum Summation Based on Quantum Teleportation. Entropy, 2019, 21, 719.	2.2	10
12	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
13	Improvements on "Secure multi-party quantum summation based on quantum Fourier transform". Quantum Information Processing, 2019, 18, 1.	2.2	9
14	New Fair Multiparty Quantum Key Agreement Secure against Collusive Attacks. Scientific Reports, 2019, 9, 17177.	3.3	7
15	Experimental demonstration of conflicting interest nonlocal games using superconducting qubits. Quantum Information Processing, 2018, 17, 1.	2.2	0
16	Quantum Coherence and Correlation in Spin Models with Dzyaloshinskii-Moriya Interaction. International Journal of Theoretical Physics, 2017, 56, 2178-2191.	1.2	26
17	Multi-party quantum summation without a trusted third party based on single particles. International Journal of Quantum Information, 2017, 15, 1750010.	1.1	35
18	Equivalence of Quantum Resource Measures for X States. International Journal of Theoretical Physics, 2017, 56, 3615-3624.	1.2	8

#	ARTICLE	IF	CITATIONS
19	Performance analysis of simultaneous dense coding protocol under decoherence. Quantum Information Processing, 2017, 16, 1.	2.2	13
20	Protecting Quantum Correlation from Correlated Amplitude Damping Channel. Brazilian Journal of Physics, 2017, 47, 400-405.	1.4	16
21	Towards Automatically Construct Quantum Circuits for Quantum Programs with Quantum Control. , 2017, , .		0
22	Efficient simultaneous dense coding and teleportation with two-photon four-qubit cluster states. International Journal of Quantum Information, 2016, 14, 1650023.	1.1	7
23	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
24	Multi-Party Quantum Key Agreement by an Entangled Six-Qubit State. International Journal of Theoretical Physics, 2016, 55, 1920-1929.	1.2	58
25	Three-party quantum summation without a trusted third party. International Journal of Quantum Information, 2015, 13, 1550011.	1.1	45
26	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
27	Improvements on "multiparty quantum key agreement with single particles": Quantum Information Processing, 2013, 12, 3411-3420.	2.2	91