Yu Cai

List of Publications by Year
in descending order

21	423	1163117	794594
papers	citations	8	19
		h-index	g-index

21	21	21	374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genuine network quantum nonlocality and self-testing. Physical Review A, 2022, 105, .	2.5	21
2	Entanglement for any definition of two subsystems. Physical Review A, 2021, 103, .	2.5	2
3	Absolutely entangled sets of pure states for bipartitions and multipartitions. Physical Review A, 2021, 104, .	2.5	0
4	High-speed batch processing of semidefinite programs with feedforward neural networks. New Journal of Physics, 2021, 23, 103034.	2.9	2
5	Experimental High-Dimensional Quantum Teleportation. Physical Review Letters, 2020, 125, 230501.	7.8	109
6	A neural network oracle for quantum nonlocality problems in networks. Npj Quantum Information, 2020, 6, .	6.7	33
7	Constraints on nonlocality in networks from no-signaling and independence. Nature Communications, 2020, 11, 2378.	12.8	45
8	Semi-device-independent characterization of quantum measurements under a minimum overlap assumption. Physical Review A, 2019, 100, .	2.5	8
9	Geometric structure of quantum correlators via semidefinite programming. Physical Review A, 2019, 99, .	2.5	5
10	Geometry of the set of quantum correlations. Physical Review A, 2018, 97, .	2.5	71
11	Self-testing using only marginal information. Physical Review A, 2018, 98, .	2.5	6
12	Witnessing Irreducible Dimension. Physical Review Letters, 2017, 119, 080401.	7.8	27
13	Experimental many-pairs nonlocality. Physical Review A, 2017, 96, .	2.5	4
14	Many-box locality. Physical Review A, 2017, 96, .	2.5	6
15	A new device-independent dimension witness and its experimental implementation. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 305301.	2.1	16
16	Measurement-dependent locality beyond independent and identically distributed runs. Physical Review A, 2016, 94, .	2.5	4
17	State complexity and quantum computation. Annalen Der Physik, 2015, 527, 684-700.	2.4	8
18	Characterization of the CGLMP4 polytope. , 2014, , .		0

#	Article	IF	Citations
19	Maximal tree size of few-qubit states. Physical Review A, 2014, 89, .	2.5	2
20	Robust self-testing of the three-qubit<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>W</mml:mi></mml:math>state. Physical Review A, 2014, 90, .	2.5	53
21	Tree-size complexity of multiqubit states. Physical Review A, 2013, 88, .	2.5	1