Yu Cai

List of Publications by Year in descending order

21 papers	423 citations	1163117 8 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	374 citing authors

#	Article	IF	Citations
1	Experimental High-Dimensional Quantum Teleportation. Physical Review Letters, 2020, 125, 230501.	7.8	109
2	Geometry of the set of quantum correlations. Physical Review A, 2018, 97, .	2.5	71
3	Robust self-testing of the three-qubit W state. Physical Review A, 2014, 90, .	2.5	53
4	Constraints on nonlocality in networks from no-signaling and independence. Nature Communications, 2020, 11, 2378.	12.8	45
5	A neural network oracle for quantum nonlocality problems in networks. Npj Quantum Information, 2020, 6, .	6.7	33
6	Witnessing Irreducible Dimension. Physical Review Letters, 2017, 119, 080401.	7.8	27
7	Genuine network quantum nonlocality and self-testing. Physical Review A, 2022, 105, .	2.5	21
8	A new device-independent dimension witness and its experimental implementation. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 305301.	2.1	16
9	State complexity and quantum computation. Annalen Der Physik, 2015, 527, 684-700.	2.4	8
10	Semi-device-independent characterization of quantum measurements under a minimum overlap assumption. Physical Review A, 2019, 100, .	2.5	8
11	Many-box locality. Physical Review A, 2017, 96, .	2.5	6
12	Self-testing using only marginal information. Physical Review A, 2018, 98, .	2.5	6
13	Geometric structure of quantum correlators via semidefinite programming. Physical Review A, 2019, 99, .	2.5	5
14	Measurement-dependent locality beyond independent and identically distributed runs. Physical Review A, 2016, 94, .	2.5	4
15	Experimental many-pairs nonlocality. Physical Review A, 2017, 96, .	2.5	4
16	Maximal tree size of few-qubit states. Physical Review A, 2014, 89, .	2.5	2
17	Entanglement for any definition of two subsystems. Physical Review A, 2021, 103, .	2.5	2
18	High-speed batch processing of semidefinite programs with feedforward neural networks. New Journal of Physics, 2021, 23, 103034.	2.9	2

#	Article	IF	Citations
19	Tree-size complexity of multiqubit states. Physical Review A, 2013, 88, .	2.5	1
20	Characterization of the CGLMP4 polytope. , 2014, , .		0
21	Absolutely entangled sets of pure states for bipartitions and multipartitions. Physical Review A, 2021, 104, .	2.5	0