

Yanbao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,649
citations

567281

15
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Loophole-Free Test of Local Realism. <i>Physical Review Letters</i> , 2015, 115, 250402.	7.8	910
2	Device-independent quantum random-number generation. <i>Nature</i> , 2018, 562, 548-551.	27.8	154
3	Experimentally generated randomness certified by the impossibility of superluminal signals. <i>Nature</i> , 2018, 556, 223-226.	27.8	126
4	Test of Local Realism into the Past without Detection and Locality Loopholes. <i>Physical Review Letters</i> , 2018, 121, 080404.	7.8	58
5	Asymptotically optimal data analysis for rejecting local realism. <i>Physical Review A</i> , 2011, 84, .	2.5	56
6	Device-independent randomness expansion with entangled photons. <i>Nature Physics</i> , 2021, 17, 452-456.	16.7	39
7	Experimental Low-Latency Device-Independent Quantum Randomness. <i>Physical Review Letters</i> , 2020, 124, 010505.	7.8	31
8	Demonstration of analyzers for multimode photonic time-bin qubits. <i>Physical Review A</i> , 2018, 97, .	2.5	30
9	Efficient randomness certification by quantum probability estimation. <i>Physical Review Research</i> , 2020, 2, .	3.6	30
10	Experimental Realization of Device-Independent Quantum Randomness Expansion. <i>Physical Review Letters</i> , 2021, 126, 050503.	7.8	29
11	Eavesdropper's ability to attack a free-space quantum-key-distribution receiver in atmospheric turbulence. <i>Physical Review A</i> , 2019, 99, .	2.5	26
12	Efficient quantification of experimental evidence against local realism. <i>Physical Review A</i> , 2013, 88, .	2.5	25
13	Device-independent point estimation from finite data and its application to device-independent property estimation. <i>Physical Review A</i> , 2018, 97, .	2.5	25
14	Security proof of practical quantum key distribution with detection-efficiency mismatch. <i>Physical Review Research</i> , 2021, 3, .	3.6	21
15	Certifying quantum randomness by probability estimation. <i>Physical Review A</i> , 2018, 98, .	2.5	19
16	Bounding the Plausibility of Physical Theories in a Device-Independent Setting via Hypothesis Testing. <i>Entropy</i> , 2019, 21, 185.	2.2	13
17	A simple low-latency real-time certifiable quantum random number generator. <i>Nature Communications</i> , 2021, 12, 1056.	12.8	13
18	Bell inequalities for continuously emitting sources. <i>Physical Review A</i> , 2015, 91, .	2.5	10

#	ARTICLE	IF	CITATIONS
19	Statistical strength of experiments to reject local realism with photon pairs and inefficient detectors. <i>Physical Review A</i> , 2010, 81, .	2.5	9
20	Generic preparation and entanglement detection of equal superposition states. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	9
21	Entanglement verification with detection-efficiency mismatch. <i>Physical Review A</i> , 2017, 95, .	2.5	6
22	Generation of quantum randomness by probability estimation with classical side information. <i>Physical Review Research</i> , 2020, 2, .	3.6	6
23	Tsirelson Polytopes and randomness generation. <i>New Journal of Physics</i> , 2020, 22, 083036.	2.9	2
24	A strong loophole-free test of local realism. , 2016, , .		1
25	Test of Local Realism into the Past without Detection and Locality Loopholes. , 2019, , .		1
26	Falsifying Local Realism. , 2015, , .		0
27	Performance of Test Supermartingale Confidence Intervals for the Success Probability of Bernoulli Trials. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2020, 125, .	1.2	0