

# Yanbao Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4575316/publications.pdf>

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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	Security proof of practical quantum key distribution with detection-efficiency mismatch. Physical Review Research, 2021, 3, .	3.6	21
2	A simple low-latency real-time certifiable quantum random number generator. Nature Communications, 2021, 12, 1056.	12.8	13
3	Experimental Realization of Device-Independent Quantum Randomness Expansion. Physical Review Letters, 2021, 126, 050503.	7.8	29
4	Device-independent randomness expansion with entangled photons. Nature Physics, 2021, 17, 452-456.	16.7	39
5	Experimental Low-Latency Device-Independent Quantum Randomness. Physical Review Letters, 2020, 124, 010505.	7.8	31
6	Efficient randomness certification by quantum probability estimation. Physical Review Research, 2020, 2, .	3.6	30
7	Generation of quantum randomness by probability estimation with classical side information. Physical Review Research, 2020, 2, .	3.6	6
8	Tsirelson Polytopes and randomness generation. New Journal of Physics, 2020, 22, 083036.	2.9	2
9	Performance of Test Supermartingale Confidence Intervals for the Success Probability of Bernoulli Trials. Journal of Research of the National Institute of Standards and Technology, 2020, 125, .	1.2	0
10	Eavesdropper's ability to attack a free-space quantum-key-distribution receiver in atmospheric turbulence. Physical Review A, 2019, 99, .	2.5	26
11	Bounding the Plausibility of Physical Theories in a Device-Independent Setting via Hypothesis Testing. Entropy, 2019, 21, 185.	2.2	13
12	Test of Local Realism into the Past without Detection and Locality Loopholes. , 2019, , .		1
13	Demonstration of analyzers for multimode photonic time-bin qubits. Physical Review A, 2018, 97, .	2.5	30
14	Experimentally generated randomness certified by the impossibility of superluminal signals. Nature, 2018, 556, 223-226.	27.8	126
15	Device-independent point estimation from finite data and its application to device-independent property estimation. Physical Review A, 2018, 97, .	2.5	25
16	Device-independent quantum random-number generation. Nature, 2018, 562, 548-551.	27.8	154
17	Certifying quantum randomness by probability estimation. Physical Review A, 2018, 98, .	2.5	19
18	Test of Local Realism into the Past without Detection and Locality Loopholes. Physical Review Letters, 2018, 121, 080404.	7.8	58

#	ARTICLE	IF	CITATIONS
19	Entanglement verification with detection-efficiency mismatch. <i>Physical Review A</i> , 2017, 95, .	2.5	6
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	A strong loophole-free test of local realism. , 2016, , .		1
22	Strong Loophole-Free Test of Local Realism. <i>Physical Review Letters</i> , 2015, 115, 250402.	7.8	910
23	Bell inequalities for continuously emitting sources. <i>Physical Review A</i> , 2015, 91, .	2.5	10
24	Falsifying Local Realism. , 2015, , .		0
25	Efficient quantification of experimental evidence against local realism. <i>Physical Review A</i> , 2013, 88, .	2.5	25
26	Asymptotically optimal data analysis for rejecting local realism. <i>Physical Review A</i> , 2011, 84, .	2.5	56
27	Statistical strength of experiments to reject local realism with photon pairs and inefficient detectors. <i>Physical Review A</i> , 2010, 81, .	2.5	9