

Xiao-Ye Xu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,140
citations

471509

17
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

1100
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental recovery of quantum correlations in absence of system-environment back-action. Nature Communications, 2013, 4, 2851.	12.8	205
2	Experimental Quantification of Asymmetric Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2016, 116, 160404.	7.8	155
3	Coherent Control of Nitrogen-Vacancy Center Spins in Silicon Carbide at Room Temperature. Physical Review Letters, 2020, 124, 223601.	7.8	102
4	Experimental investigation of the non-Markovian dynamics of classical and quantum correlations. Physical Review A, 2010, 82, .	2.5	65
5	Demonstration of Einstein-Podolsky-Rosen steering with enhanced subchannel discrimination. Npj Quantum Information, 2018, 4, .	6.7	61
6	On-Demand Generation of Single Silicon Vacancy Defects in Silicon Carbide. ACS Photonics, 2019, 6, 1736-1743.	6.6	60
7	Demon-like algorithmic quantum cooling and its realization with quantum optics. Nature Photonics, 2014, 8, 113-118.	31.4	52
8	Measuring a dynamical topological order parameter in quantum walks. Light: Science and Applications, 2020, 9, 7.	16.6	46
9	Measuring the Winding Number in a Large-Scale Chiral Quantum Walk. Physical Review Letters, 2018, 120, 260501.	7.8	44
10	Direct Measurement of a Nonlocal Entangled Quantum State. Physical Review Letters, 2019, 123, 150402.	7.8	39
11	Quantum Simulation of Landau-Zener Model Dynamics Supporting the Kibble-Zurek Mechanism. Physical Review Letters, 2014, 112, 035701.	7.8	38
12	Experimental Investigation of Quantum P -Enhanced Sensor. Physical Review Letters, 2020, 125, 240506.	7.8	36
13	Experimental Characterization of Entanglement Dynamics in Noisy Channels. Physical Review Letters, 2009, 103, 240502.	7.8	34
14	Dynamic-disorder-induced enhancement of entanglement in photonic quantum walks. Optica, 2018, 5, 1136.	9.3	31
15	Experimental Optimal Verification of Entangled States Using Local Measurements. Physical Review Letters, 2020, 125, 030506.	7.8	28
16	Experimental Realization of Robust Self-Testing of Bell State Measurements. Physical Review Letters, 2019, 122, 090402.	7.8	21
17	Experimental exchange of grins between quantum Cheshire cats. Nature Communications, 2020, 11, 3006.	12.8	21
18	Robust bidirectional links for photonic quantum networks. Science Advances, 2016, 2, e1500672.	10.3	17

#	ARTICLE	IF	CITATIONS
19	Zonal Reconstruction of Photonic Wavefunction via Momentum Weak Measurement. Laser and Photonics Reviews, 2020, 14, 1900251.	8.7	16
20	Experimental Realization of Parrondo's Paradox in 1D Quantum Walks. Advanced Quantum Technologies, 2020, 3, 1900127.	3.9	12
21	Activation of indistinguishability-based quantum coherence for enhanced metrological applications with particle statistics imprint. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
22	Measurement-induced quantum entanglement recovery. Physical Review A, 2010, 82, .	2.5	10
23	Experimental classification of quenched quantum walks by dynamical Chern number. Physical Review Research, 2019, 1, .	3.6	9
24	Robustness of entanglement as an indicator of topological phases in quantum walks. Optica, 2020, 7, 53.	9.3	9
25	Experimental test of single-system steering and application to quantum communication. Physical Review A, 2017, 95, .	2.5	8
26	Experimental verification of generalized eigenstate thermalization hypothesis in an integrable system. Light: Science and Applications, 2022, 11, .	16.6	7
27	Experimental optimal generation of hybrid entangled states in photonic quantum walks. Optics Letters, 2021, 46, 1868.	3.3	3
28	Basic Concepts of Linear Optical System. Springer Theses, 2016, , 1-50.	0.1	0
29	Quantitative Verification of the Kibble-Zurek Mechanism in Quantum Nonequilibrium Dynamics. Springer Theses, 2016, , 99-126.	0.1	0
30	Directly Measuring the Winding Number in Photonic Discrete Time Quantum Walks. , 2019, , .		0