Xiao-Ye Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10549737/publications.pdf

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30	1,140	471509	526287
papers	citations	17	27
		h-index	g-index

31	31	31	1100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Experimental verification of generalized eigenstate thermalization hypothesis in an integrable system. Light: Science and Applications, 2022, 11, .	16.6	7
3	Experimental optimal generation of hybrid entangled states in photonic quantum walks. Optics Letters, 2021, 46, 1868.	3.3	3
4	Experimental Optimal Verification of Entangled States Using Local Measurements. Physical Review Letters, 2020, 125, 030506.	7.8	28
5	Experimental Investigation of Quantum <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:math> -Enhanced Sensor. Physical Review Letters, 2020, 125, 240506.	7.8	36
6	Experimental Realization of Parrondo's Paradox in 1D Quantum Walks. Advanced Quantum Technologies, 2020, 3, 1900127.	3.9	12
7	Coherent Control of Nitrogen-Vacancy Center Spins in Silicon Carbide at Room Temperature. Physical Review Letters, 2020, 124, 223601.	7.8	102
8	Zonal Reconstruction of Photonic Wavefunction via Momentum Weak Measurement. Laser and Photonics Reviews, 2020, 14, 1900251.	8.7	16
9	Experimental exchange of grins between quantum Cheshire cats. Nature Communications, 2020, 11, 3006.	12.8	21
10	Measuring a dynamical topological order parameter in quantum walks. Light: Science and Applications, 2020, 9, 7.	16.6	46
11	Robustness of entanglement as an indicator of topological phases in quantum walks. Optica, 2020, 7, 53.	9.3	9
12	Direct Measurement of a Nonlocal Entangled Quantum State. Physical Review Letters, 2019, 123, 150402.	7.8	39
13	On-Demand Generation of Single Silicon Vacancy Defects in Silicon Carbide. ACS Photonics, 2019, 6, 1736-1743.	6.6	60
14	Experimental Realization of Robust Self-Testing of Bell State Measurements. Physical Review Letters, 2019, 122, 090402.	7.8	21
15	Experimental classification of quenched quantum walks by dynamical Chern number. Physical Review Research, 2019, 1, .	3.6	9
16	Directly Measuring the Winding Number in Photonic Discrete Time Quantum Walks. , 2019, , .		0
17	Demonstration of Einsteinâ€“Podolskyâ€“Rosen steering with enhanced subchannel discrimination. Npj Quantum Information, 2018, 4, .	6.7	61
18	Dynamic-disorder-induced enhancement of entanglement in photonic quantum walks. Optica, 2018, 5, 1136.	9.3	31

#	Article	IF	Citations
19	Measuring the Winding Number in a Large-Scale Chiral Quantum Walk. Physical Review Letters, 2018, 120, 260501.	7.8	44
20	Experimental test of single-system steering and application to quantum communication. Physical Review A, 2017, 95, .	2.5	8
21	Basic Concepts of Linear Optical System. Springer Theses, 2016, , 1-50.	0.1	0
22	Quantitative Verification of the Kibbleâ€“Zurek Mechanism in Quantum Nonequilibrium Dynamics. Springer Theses, 2016, , 99-126.	0.1	0
23	Experimental Quantification of Asymmetric Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2016, 116, 160404.	7.8	155
24	Robust bidirectional links for photonic quantum networks. Science Advances, 2016, 2, e1500672.	10.3	17
25	Quantum Simulation of Landau-Zener Model Dynamics Supporting the Kibble-Zurek Mechanism. Physical Review Letters, 2014, 112, 035701.	7.8	38
26	Demon-like algorithmic quantum cooling and its realization with quantum optics. Nature Photonics, 2014, 8, 113-118.	31.4	52
27	Experimental recovery of quantum correlations in absence of system-environment back-action. Nature Communications, 2013, 4, 2851.	12.8	205
28	Measurement-induced quantum entanglement recovery. Physical Review A, 2010, 82, .	2.5	10
29	Experimental investigation of the non-Markovian dynamics of classical and quantum correlations. Physical Review A, 2010, 82, .	2.5	65
30	Experimental Characterization of Entanglement Dynamics in Noisy Channels. Physical Review Letters, 2009, 103, 240502.	7.8	34