

AurÃ©l GÃ©bris

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3674807/publications.pdf>

Version: 2024-02-01

28
papers

1,544
citations

623734

14
h-index

794594

19
g-index

28
all docs

28
docs citations

28
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Photons Walking the Line: A Quantum Walk with Adjustable Coin Operations. <i>Physical Review Letters</i> , 2010, 104, 050502.	7.8	469
2	A 2D Quantum Walk Simulation of Two-Particle Dynamics. <i>Science</i> , 2012, 336, 55-58.	12.6	339
3	Decoherence and Disorder in Quantum Walks: From Ballistic Spread to Localization. <i>Physical Review Letters</i> , 2011, 106, 180403.	7.8	300
4	Optimized quantum random-walk search algorithms on the hypercube. <i>Physical Review A</i> , 2009, 79, .	2.5	88
5	Measuring topological invariants in disordered discrete-time quantum walks. <i>Physical Review A</i> , 2017, 96, .	2.5	64
6	Spatio-spectral characteristics of parametric down-conversion in waveguide arrays. <i>New Journal of Physics</i> , 2013, 15, 083046.	2.9	36
7	Quantum walks with dynamical control: graph engineering, initial state preparation and state transfer. <i>New Journal of Physics</i> , 2016, 18, 063017.	2.9	36
8	Probing measurement-induced effects in quantum walks via recurrence. <i>Science Advances</i> , 2018, 4, eaar6444.	10.3	32
9	QUANTUM TELEPORTATION WITH PAIR-COHERENT STATES. <i>International Journal of Quantum Information</i> , 2007, 05, 17-22.	1.1	30
10	Vacuum-induced Stark shifts for quantum logic using a collective system in a high-quality dispersive cavity. <i>Physical Review A</i> , 2005, 71, .	2.5	25
11	Quantum walk coherences on a dynamical percolation graph. <i>Scientific Reports</i> , 2015, 5, 13495.	3.3	24
12	Scattering quantum random-walk search with errors. <i>Physical Review A</i> , 2007, 76, .	2.5	20
13	Quantum walk with a four-dimensional coin. <i>New Journal of Physics</i> , 2011, 13, 013015.	2.9	19
14	Measurement-Induced Chaos with Entangled States. <i>Physical Review Letters</i> , 2011, 107, 100501.	7.8	16
15	Photonic quantum walks with four-dimensional coins. <i>Physical Review Research</i> , 2019, 1, .	3.6	14
16	Structural features of the La-Sr-Fe-Co-O system. <i>European Physical Journal B</i> , 2001, 21, 521-526.	1.5	12
17	Local Versus Global Two-Photon Interference in Quantum Networks. <i>Physical Review Letters</i> , 2020, 125, 213604.	7.8	9
18	Distinguishing Schrödinger cats in a lossy environment. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S84-S89.	1.4	7

#	ARTICLE	IF	CITATIONS
19	One-complex-plane representation: a coherent-state description of entanglement and teleportation. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S213-S217.	1.4	2
20	Photonic quantum walks in a fiber based recursion loop. , 2011, , .		1
21	Quantum State Identification of Qutrits via a Nonlinear Protocol. Journal of Russian Laser Research, 2018, 39, 456-464.	0.6	1
22	Controlled-not Gates for Four-Level Atoms in a Bimodal Cavity. European Physical Journal A, 2005, 23, 19-24.	0.2	0
23	Chaos in the conditional dynamics of two qubits purification protocol. , 2008, , .		0
24	Simulations of two particle dynamics employing dynamic coin control in 2D quantum walks. , 2013, , .		0
25	Simulations of two-particle interactions with 2D quantum walks in time. , 2014, , .		0
26	Quantum Walk Coherences on a Dynamical Percolation Graph. , 2015, , .		0
27	Driving two-photon interference via classical control in quantum networks. , 2021, , .		0
28	Photonic Quantum Walks on Finite Graphs and with Non-Localised Initial States. , 2015, , .		0