Peter van Loock

List of Publications by Year in descending order

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PETER VAN LOOCK

#	Article	IF	CITATIONS
1	Optimal Entanglement Swapping in Quantum Repeaters. Physical Review Letters, 2022, 128, 150502.	7.8	16
2	All-optical long-distance quantum communication with Gottesman-Kitaev-Preskill qubits. Physical Review Research, 2021, 3, .	3.6	29
3	Extending Quantum Links: Modules for Fiber―and Memoryâ€Based Quantum Repeaters. Advanced Quantum Technologies, 2020, 3, 1900141.	3.9	43
4	Phase Locking between Two All-Optical Quantum Memories. Physical Review Letters, 2020, 125, 260508.	7.8	3
5	All-Optical Storage of Phase-Sensitive Quantum States of Light. Physical Review Letters, 2019, 123, 113603.	7.8	15
6	Probabilistic fault-tolerant universal quantum computation and sampling problems in continuous variables. Physical Review A, 2019, 99, .	2.5	12
7	Quantum nondemolition gate operations and measurements in real time on fluctuating signals. Physical Review A, 2018, 98, .	2.5	14
8	Heralded creation of photonic qudits from parametric down-conversion using linear optics. Physical Review A, 2018, 97, .	2.5	21
9	Quantum teleportation of an optical qutrit. , 2017, , .		0
10	All-optical storage of a qubit encoded in an oscillator. , 2017, , .		0
11	Steady-state generation of negative-Wigner-function light using feedback. Physical Review A, 2016, 94, .	2.5	10
12	Quantum repeater based on cavity QED evolutions and coherent light. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	3
13	Ultrafast Long-Distance Quantum Communication with Static Linear Optics. Physical Review Letters, 2016, 117, 210501.	7.8	55
14	Synchronization of optical photons for quantum information processing. Science Advances, 2016, 2, e1501772.	10.3	57
15	Demonstration of a fully tunable entangling gate for continuous-variable one-way quantum computation. Physical Review A, 2015, 92, .	2.5	11
16	Entanglement Swapping between Discrete and Continuous Variables. Physical Review Letters, 2015, 114, 100501.	7.8	88
17	Near-deterministic creation of universal cluster states with probabilistic Bell measurements and three-qubit resource states. Physical Review A, 2015, 91, .	2.5	19
18	Hybrid discrete-Âand continuous-variable quantumÂinformation. Nature Physics, 2015, 11, 713-719.	16.7	283

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19	A Simple Comparative Analysis of Exact and Approximate Quantum Error Correction. Open Systems and Information Dynamics, 2014, 21, 1450002.	1.2	6
20	Approximate quantum error correction for generalized amplitude-damping errors. Physical Review A, 2014, 89, .	2.5	36
21	<pre><mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mo>/</mml:mo><mml:mn>4</mml:mn></mml:mrow></mml:math></pre>	w> 7.8	math>-Efficie
22	Noiseless Conditional Teleportation of a Single Photon. Physical Review Letters, 2014, 113, 223602.	7.8	21
23	Exploring a New Regime for Processing Optical Qubits: Squeezing and Unsqueezing Single Photons. Physical Review Letters, 2014, 113, 013601.	7.8	60
24	Creation, Storage, and On-Demand Release of Optical Quantum States with a Negative Wigner Function. Physical Review X, 2013, 3, .	8.9	52
25	Unconditional generation of bright coherent non-Gaussian light from exciton-polariton condensates. Physical Review B, 2013, 87, .	3.2	9
26	Gain tuning for continuous-variable quantum teleportation of discrete-variable states. Physical Review A, 2013, 88, .	2.5	24
27	Cavity QED of a leaky planar resonator coupled to an atom and an input single-photon pulse. Physical Review A, 2013, 88, .	2.5	1
28	Dynamical quantum repeater using cavity QED and optical coherent states. Physical Review A, 2013, 88, .	2.5	6
29	High-fidelity entanglement purification using chains of atoms and optical cavities. Physical Review A, 2012, 86	2.5	23