

# Peter van Loock

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2128965/publications.pdf>

Version: 2024-02-01

29  
papers

1,016  
citations

516710

16  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid discrete- and continuous-variable quantum information. Nature Physics, 2015, 11, 713-719.	16.7	283
2	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle mml:mrow> \langle mml:mn>3 \langle /mml:mn> \langle mml:mo> / \langle /mml:mo> \langle mml:mn>4 \langle /mml:mn> \langle /mml:mrow> \langle /mml:math>$ Efficient Bell Measurement with Passive Linear Optics and Unentangled Ancillae. Physical Review Letters, 2014, 113, 140403.	7.8	99
3	Entanglement Swapping between Discrete and Continuous Variables. Physical Review Letters, 2015, 114, 100501.	7.8	88
4	Exploring a New Regime for Processing Optical Qubits: Squeezing and Unsqueezing Single Photons. Physical Review Letters, 2014, 113, 013601.	7.8	60
5	Synchronization of optical photons for quantum information processing. Science Advances, 2016, 2, e1501772.	10.3	57
6	Ultrafast Long-Distance Quantum Communication with Static Linear Optics. Physical Review Letters, 2016, 117, 210501.	7.8	55
7	Creation, Storage, and On-Demand Release of Optical Quantum States with a Negative Wigner Function. Physical Review X, 2013, 3, .	8.9	52
8	Extending Quantum Links: Modules for Fiber- and Memory-Based Quantum Repeaters. Advanced Quantum Technologies, 2020, 3, 1900141.	3.9	43
9	Approximate quantum error correction for generalized amplitude-damping errors. Physical Review A, 2014, 89, .	2.5	36
10	All-optical long-distance quantum communication with Gottesman-Kitaev-Preskill qubits. Physical Review Research, 2021, 3, .	3.6	29
11	Gain tuning for continuous-variable quantum teleportation of discrete-variable states. Physical Review A, 2013, 88, .	2.5	24
12	High-fidelity entanglement purification using chains of atoms and optical cavities. Physical Review A, 2012, 86, .	2.5	23
13	Noiseless Conditional Teleportation of a Single Photon. Physical Review Letters, 2014, 113, 223602.	7.8	21
14	Heralded creation of photonic qudits from parametric down-conversion using linear optics. Physical Review A, 2018, 97, .	2.5	21
15	Near-deterministic creation of universal cluster states with probabilistic Bell measurements and three-qubit resource states. Physical Review A, 2015, 91, .	2.5	19
16	Optimal Entanglement Swapping in Quantum Repeaters. Physical Review Letters, 2022, 128, 150502.	7.8	16
17	All-Optical Storage of Phase-Sensitive Quantum States of Light. Physical Review Letters, 2019, 123, 113603.	7.8	15
18	Quantum nondemolition gate operations and measurements in real time on fluctuating signals. Physical Review A, 2018, 98, .	2.5	14

#	ARTICLE	IF	CITATIONS
19	Probabilistic fault-tolerant universal quantum computation and sampling problems in continuous variables. <i>Physical Review A</i> , 2019, 99, .	2.5	12
20	Demonstration of a fully tunable entangling gate for continuous-variable one-way quantum computation. <i>Physical Review A</i> , 2015, 92, .	2.5	11
21	Steady-state generation of negative-Wigner-function light using feedback. <i>Physical Review A</i> , 2016, 94, .	2.5	10
22	Unconditional generation of bright coherent non-Gaussian light from exciton-polariton condensates. <i>Physical Review B</i> , 2013, 87, .	3.2	9
23	Dynamical quantum repeater using cavity QED and optical coherent states. <i>Physical Review A</i> , 2013, 88, .	2.5	6
24	A Simple Comparative Analysis of Exact and Approximate Quantum Error Correction. <i>Open Systems and Information Dynamics</i> , 2014, 21, 1450002.	1.2	6
25	Quantum repeater based on cavity QED evolutions and coherent light. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	3
26	Phase Locking between Two All-Optical Quantum Memories. <i>Physical Review Letters</i> , 2020, 125, 260508.	7.8	3
27	Cavity QED of a leaky planar resonator coupled to an atom and an input single-photon pulse. <i>Physical Review A</i> , 2013, 88, .	2.5	1
28	Quantum teleportation of an optical qutrit. , 2017, , .		0
29	All-optical storage of a qubit encoded in an oscillator. , 2017, , .		0