Nathan Walk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7757552/publications.pdf

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28 papers	1,096 citations	759055 12 h-index	752573 20 g-index
29 all docs	29 docs citations	29 times ranked	800 citing authors

#	Article	IF	Citations
1	Heralded noiseless linear amplification and distillation of entanglement. Nature Photonics, 2010, 4, 316-319.	15.6	272
2	Observation of Genuine One-Way Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2016, 116, 160403.	2.9	167
3	Quantum certification and benchmarking. Nature Reviews Physics, 2020, 2, 382-390.	11.9	162
4	Experimental demonstration of Gaussian protocols for one-sided device-independent quantum key distribution. Optica, 2016, 3, 634.	4.8	136
5	Measurement-based noiseless linear amplification for quantum communication. Nature Photonics, 2014, 8, 333-338.	15.6	95
6	Security of continuous-variable quantum cryptography with Gaussian postselection. Physical Review A, 2013, 87, .	1.0	62
7	Quantum communication with an accelerated partner. Physical Review A, 2013, 87, .	1.0	35
8	Nondeterministic noiseless amplification via non-symplectic phase space transformations. New Journal of Physics, 2013, 15, 073014.	1.2	23
9	Certified Quantum Random Numbers from Untrusted Light. Physical Review X, 2020, 10, .	2.8	23
10	Stationary optomechanical entanglement between a mechanical oscillator and its measurement apparatus. Physical Review Research, 2020, 2, .	1.3	21
11	Composable finite-size effects in free-space continuous-variable quantum-key-distribution systems. Physical Review A, 2021, 103, .	1.0	16
12	Quantum key distribution without sending a quantum signal. New Journal of Physics, 2015, 17, 063008.	1.2	12
13	Channel purification via continuous-variable quantum teleportation with Gaussian postselection. Physical Review A, 2016, 93, .	1.0	12
14	Models of reduced-noise, probabilistic linear amplifiers. Physical Review A, 2016, 93, .	1.0	10
15	Optimal realistic attacks in continuous-variable quantum key distribution. Physical Review A, 2019, 99, .	1.0	10
16	Sharing Classical Secrets with Continuous-Variable Entanglement: Composable Security and Network Coding Advantage. PRX Quantum, 2021, 2, .	3.5	10
17	Harnessing symmetry-protected topological order for quantum memories. Physical Review Research, 2020, 2, .	1.3	7
18	Finite-size effects in continuous-variable quantum key distribution with Gaussian postselection. Physical Review A, 2020, 101, .	1.0	6

#	Article	IF	Citations
19	Teleportation-based collective attacks in Gaussian quantum key distribution. Physical Review Research, 2020, 2, .	1.3	6
20	Measurement-based noiseless linear amplification for quantum communication. , 2014, , .		5
21	Rate limits in quantum networks with lossy repeaters. Physical Review Research, 2022, 4, .	1.3	4
22	Continuous-variable QKD with post-selection is secure. , 2013, , .		1
23	Unconditional security of Gaussian post-selected continuous variable quantum key distribution. , 2013, , .		1
24	Security of Post-selection based Continuous Variable Quantum Key Distribution against Arbitrary Attacks. , 2011, , .		0
25	Building a quantum repeater with quantum memories and noiseless amplifiers. , 2013, , .		0
26	Virtual noiseless amplification. , 2013, , .		0
27	Continuous Variable Quantum Key Distribution: Security, Repeaters and Relativity. , 2011, , .		0
28	Observation of One-way Einstein-Podolsky-Rosen steering. , 2018, , .		0