

Nathan Walk

List of Publications by Year in descending order

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

Version: 2024-02-01

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 | Rate limits in quantum networks with lossy repeaters. <i>Physical Review Research</i> , 2022, 4, . | 1.3 | 4 |
| 2 | Composable finite-size effects in free-space continuous-variable quantum-key-distribution systems. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 16 |
| 3 | Sharing Classical Secrets with Continuous-Variable Entanglement: Composable Security and Network Coding Advantage. <i>PRX Quantum</i> , 2021, 2, . | 3.5 | 10 |
| 4 | Certified Quantum Random Numbers from Untrusted Light. <i>Physical Review X</i> , 2020, 10, . | 2.8 | 23 |
| 5 | Finite-size effects in continuous-variable quantum key distribution with Gaussian postselection. <i>Physical Review A</i> , 2020, 101, . | 1.0 | 6 |
| 6 | Quantum certification and benchmarking. <i>Nature Reviews Physics</i> , 2020, 2, 382-390. | 11.9 | 162 |
| 7 | Harnessing symmetry-protected topological order for quantum memories. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 7 |
| 8 | Teleportation-based collective attacks in Gaussian quantum key distribution. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 6 |
| 9 | Stationary optomechanical entanglement between a mechanical oscillator and its measurement apparatus. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 21 |
| 10 | Optimal realistic attacks in continuous-variable quantum key distribution. <i>Physical Review A</i> , 2019, 99, . | 1.0 | 10 |
| 11 | Observation of One-way Einstein-Podolsky-Rosen steering. , 2018, , . | | 0 |
| 12 | Models of reduced-noise, probabilistic linear amplifiers. <i>Physical Review A</i> , 2016, 93, . | 1.0 | 10 |
| 13 | Channel purification via continuous-variable quantum teleportation with Gaussian postselection. <i>Physical Review A</i> , 2016, 93, . | 1.0 | 12 |
| 14 | Observation of Genuine One-Way Einstein-Podolsky-Rosen Steering. <i>Physical Review Letters</i> , 2016, 116, 160403. | 2.9 | 167 |
| 15 | Experimental demonstration of Gaussian protocols for one-sided device-independent quantum key distribution. <i>Optica</i> , 2016, 3, 634. | 4.8 | 136 |
| 16 | Quantum key distribution without sending a quantum signal. <i>New Journal of Physics</i> , 2015, 17, 063008. | 1.2 | 12 |
| 17 | Measurement-based noiseless linear amplification for quantum communication. <i>Nature Photonics</i> , 2014, 8, 333-338. | 15.6 | 95 |
| 18 | Measurement-based noiseless linear amplification for quantum communication. , 2014, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Building a quantum repeater with quantum memories and noiseless amplifiers. , 2013, , . | | 0 |
| 20 | Continuous-variable QKD with post-selection is secure. , 2013, , . | | 1 |
| 21 | Quantum communication with an accelerated partner. Physical Review A, 2013, 87, . | 1.0 | 35 |
| 22 | Security of continuous-variable quantum cryptography with Gaussian postselection. Physical Review A, 2013, 87, . | 1.0 | 62 |
| 23 | Nondeterministic noiseless amplification via non-symplectic phase space transformations. New Journal of Physics, 2013, 15, 073014. | 1.2 | 23 |
| 24 | Virtual noiseless amplification. , 2013, , . | | 0 |
| 25 | Unconditional security of Gaussian post-selected continuous variable quantum key distribution. , 2013, , . | | 1 |
| 26 | Security of Post-selection based Continuous Variable Quantum Key Distribution against Arbitrary Attacks. , 2011, , . | | 0 |
| 27 | Continuous Variable Quantum Key Distribution: Security, Repeaters and Relativity. , 2011, , . | | 0 |
| 28 | Heralded noiseless linear amplification and distillation of entanglement. Nature Photonics, 2010, 4, 316-319. | 15.6 | 272 |