Raul Garcia-Patron

List of Publications by Year
in descending order

25 papers	4,551 citations	567281 15 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	2321 citing authors

#	Article	IF	Citations
1	Gaussian quantum information. Reviews of Modern Physics, 2012, 84, 621-669.	45.6	2,430
2	Unconditional Optimality of Gaussian Attacks against Continuous-Variable Quantum Key Distribution. Physical Review Letters, 2006, 97, 190503.	7.8	426
3	Quantum key distribution over $25\,km$ with an all-fiber continuous-variable system. Physical Review A, 2007, 76, .	2.5	403
4	Security of Continuous-Variable Quantum Key Distribution Against General Attacks. Physical Review Letters, 2013, 110, 030502.	7.8	183
5	Direct and Reverse Secret-Key Capacities of a Quantum Channel. Physical Review Letters, 2009, 102, 050503.	7.8	182
6	Ultimate classical communication rates of quantum optical channels. Nature Photonics, 2014, 8, 796-800.	31.4	147
7	Enhancing quantum entanglement by photon addition and subtraction. Physical Review A, 2012, 86, .	2.5	139
8	Continuous-Variable Quantum Key Distribution Protocols Over Noisy Channels. Physical Review Letters, 2009, 102, 130501.	7.8	128
9	A Solution of Gaussian Optimizer Conjecture for Quantum Channels. Communications in Mathematical Physics, 2015, 334, 1553-1571.	2.2	85
10	Reverse Coherent Information. Physical Review Letters, 2009, 102, 210501.	7.8	78
11	Majorization Theory Approach to the Gaussian Channel Minimum Entropy Conjecture. Physical Review Letters, 2012, 108, 110505.	7.8	57
12	Semi-device-independent framework based on natural physical assumptions. Quantum - the Open Journal for Quantum Science, 0, 1, 33.	0.0	57
13	Simulating boson sampling in lossy architectures. Quantum - the Open Journal for Quantum Science, 0, 3, 169.	0.0	50
14	Regimes of Classical Simulability for Noisy Gaussian Boson Sampling. Physical Review Letters, 2020, 124, 100502.	7.8	45
15	Experimental Implementation of Non-Gaussian Attacks on a Continuous-Variable Quantum-Key-Distribution System. Physical Review Letters, 2007, 98, 030503.	7.8	40
16	Equivalence Relations for the Classical Capacity of Single-Mode Gaussian Quantum Channels. Physical Review Letters, 2013, 111, 030503.	7.8	22
17	Tensor network states in time-bin quantum optics. Physical Review A, 2018, 97, .	2.5	18
18	Classically simulating near-term partially-distinguishable and lossy boson sampling. Quantum Science and Technology, 2020, 5, 015001.	5.8	18

#	Article	IF	Citations
19	Analysis of circuit imperfections in BosonSampling. Quantum Information and Computation, 2015, , 489-512.	0.3	17
20	Analog Quantum Simulation of Non-Condon Effects in Molecular Spectroscopy. ACS Photonics, 2021, 8, 2007-2016.	6.6	8
21	Interconversion of pure Gaussian states requiring non-Gaussian operations. Physical Review A, 2015, 91, .	2.5	6
22	Majorization preservation of Gaussian bosonic channels. New Journal of Physics, 2016, 18, 073047.	2.9	6
23	Quantum Enhancement of Randomness Distribution. IEEE Transactions on Information Theory, 2018, 64, 4664-4673.	2.4	4
24	Strong converse for the capacity of quantum Gaussian channels. , 2014, , .		1
25	A game of quantum advantage: linking verification and simulation. Quantum - the Open Journal for Quantum Science, 0, 6, 753.	0.0	1