

# Gaussian quantum information

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Citation Report

#	ARTICLE	IF	CITATIONS
1	IDEAL QUANTUM READING OF OPTICAL MEMORIES. International Journal of Quantum Information, 2012, 10, 1241010.	0.6	17
2	Nonclassical properties of states engineered by superpositions of quantum operations on classical states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 205501.	0.6	17
3	Asymptotically optimal quantum channel reversal for qudit ensembles and multimode Gaussian states. New Journal of Physics, 2012, 14, 113041.	1.2	2
4	The continuous-variable Deutsch-Jozsa algorithm using realistic quantum systems. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 244015.	0.7	1
5	SECURITY OF A NEW TWO-WAY CONTINUOUS-VARIABLE QUANTUM KEY DISTRIBUTION PROTOCOL. International Journal of Quantum Information, 2012, 10, 1250059.	0.6	29
6	Experimental preparation of eight-partite cluster state for photonic qumodes. Optics Letters, 2012, 37, 5178.	1.7	92
7	Quantum trade-off coding for bosonic communication. Physical Review A, 2012, 86, .	1.0	33
8	Multiphoton state engineering by heralded interference between single photons and coherent states. Physical Review A, 2012, 86, .	1.0	69
9	Experimental test of the strongly nonclassical character of a noisy squeezed single-photon state. Physical Review A, 2012, 86, .	1.0	27
10	Source monitoring for continuous-variable quantum key distribution. Physical Review A, 2012, 86, .	1.0	19
11	Multipartite minimum-uncertainty products. Physical Review A, 2012, 86, .	1.0	0
12	Improving the maximum transmission distance of continuous-variable quantum key distribution using a noiseless amplifier. Physical Review A, 2012, 86, .	1.0	109
13	Reconstruction of Gaussian quantum mechanics from Liouville mechanics with an epistemic restriction. Physical Review A, 2012, 86, .	1.0	91
14	Negative quasi-probability as a resource for quantum computation. New Journal of Physics, 2012, 14, 113011.	1.2	214
15	Physics at the FQMT'11 conference. Physica Scripta, 2012, T151, 014001.	1.2	1
16	Adaptive measurements in nonorthogonal state discrimination. , 2012, , .		0
17	Measuring Gaussian Quantum Information and Correlations Using the Rényi Entropy of Order 2. Physical Review Letters, 2012, 109, 190502.	2.9	162
18	Positive Wigner Functions Render Classical Simulation of Quantum Computation Efficient. Physical Review Letters, 2012, 109, 230503.	2.9	267

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19	Full symmetrization of two-mode entangled Gaussian states by local operations. Physical Review A, 2012, 86, .	1.0	2
20	Capacities of linear quantum optical systems. Physical Review A, 2012, 85, .	1.0	7
21	Quantum reading under a local energy constraint. Physical Review A, 2012, 86, .	1.0	24
22	Continuous-variable quantum key distribution using thermal states. Physical Review A, 2012, 86, .	1.0	93
23	Invariant measures on multimode quantum Gaussian states. Journal of Mathematical Physics, 2012, 53, .	0.5	10
24	Entanglement and area laws in weakly correlated Gaussian states. Physical Review A, 2012, 86, .	1.0	3
25	Continuous variable quantum key distribution with modulated entangled states. Nature Communications, 2012, 3, 1083.	5.8	169
26	Uhlmann fidelity between two-mode Gaussian states. Physical Review A, 2012, 86, .	1.0	83
27	Symmetric $M$ -ary phase discrimination using quantum-optical probe states. Physical Review A, 2012, 86, .	1.0	20
28	Observing the operational significance of discord consumption. Nature Physics, 2012, 8, 671-675.	6.5	201
29	Continuous Variable Quantum Key Distribution: Finite-Key Analysis of Composable Security against Coherent Attacks. Physical Review Letters, 2012, 109, 100502.	2.9	237
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33	Proposal for a scalable universal bosonic simulator using individually trapped ions. Physical Review A, 2012, 85, .	1.0	36
34	Quantifying the noise of a quantum channel by noise addition. Physical Review A, 2012, 86, .	1.0	15
35	Enhancing quantum entanglement by photon addition and subtraction. Physical Review A, 2012, 86, .	1.0	139
36	Entanglement Swapping with Local Certification: Application to Remote Micromechanical Resonators. Physical Review Letters, 2012, 109, 143601.	2.9	62

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38	Quantum coherent control of highly multipartite continuous-variable entangled states by tailoring parametric interactions. <i>European Physical Journal D</i> , 2012, 66, 1.	0.6	25
39	Continuous-variable entanglement distillation with noiseless linear amplification. <i>Physical Review A</i> , 2012, 86, .	1.0	5
40	EXPERIMENTAL QUANTIFICATION OF NON-GAUSSIANITY OF PHASE-RANDOMIZED COHERENT STATES. <i>International Journal of Quantum Information</i> , 2012, 10, 1241006.	0.6	3
41	INTERFERENCE OF MULTI-MODE GAUSSIAN STATES AND "NON APPEARANCE" OF QUANTUM CORRELATIONS. <i>International Journal of Quantum Information</i> , 2012, 10, 1241004.	0.6	1
42	Generating Entangled Microwave Radiation Over Two Transmission Lines. <i>Physical Review Letters</i> , 2012, 109, 183901.	2.9	211
43	Non-negative subtheories and quasiprobability representations of qubits. <i>Physical Review A</i> , 2012, 85, .	1.0	31
44	Two-mode back-action-evading measurements in cavity optomechanics. <i>Physical Review A</i> , 2013, 87, .	1.0	97
45	Gaussian tripartite entanglement out of equilibrium. <i>Physical Review A</i> , 2013, 88, .	1.0	15
46	Implementation of generalized quantum measurements for unambiguous discrimination of multiple non-orthogonal coherent states. <i>Nature Communications</i> , 2013, 4, 2028.	5.8	52
47	Time evolution techniques for detectors in relativistic quantum information. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 165303.	0.7	65
48	Extreme bosonic linear channels. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2013, 174, 288-297.	0.3	10
49	Measures of Quantum Synchronization in Continuous Variable Systems. <i>Physical Review Letters</i> , 2013, 111, 103605.	2.9	207
50	Coarse-grained quantum state estimation for noisy measurements. <i>Physical Review A</i> , 2013, 88, .	1.0	3
51	Realignment Operation and CCNR Criterion of Separability for States in Infinite-Dimensional Quantum Systems. <i>Reports on Mathematical Physics</i> , 2013, 72, 25-40.	0.4	6
52	Quantum parameter estimation using general single-mode Gaussian states. <i>Physical Review A</i> , 2013, 88, .	1.0	146
53	Gaussian Error Correction of Quantum States in a Correlated Noisy Channel. <i>Physical Review Letters</i> , 2013, 111, 180502.	2.9	24
54	Entangling Mechanical Motion with Microwave Fields. <i>Science</i> , 2013, 342, 710-713.	6.0	524

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55	Monogamy inequalities for the Einstein-Podolsky-Rosen paradox and quantum steering. <i>Physical Review A</i> , 2013, 88, .	1.0	98
56	Quantum secret sharing with continuous-variable cluster states. <i>Physical Review A</i> , 2013, 88, .	1.0	61
57	Local oscillator fluctuation opens a loophole for Eve in practical continuous-variable quantum-key-distribution systems. <i>Physical Review A</i> , 2013, 88, .	1.0	160
58	High-dimensional quantum key distribution using dispersive optics. <i>Physical Review A</i> , 2013, 87, .	1.0	136
59	Quantum hacking of a continuous-variable quantum-key-distribution system using a wavelength attack. <i>Physical Review A</i> , 2013, 87, .	1.0	155
60	Genuine Tripartite Entanglement and Nonlocality in Bose-Einstein Condensates by Collective Atomic Recoil. <i>Entropy</i> , 2013, 15, 1875-1886.	1.1	5
61	Enhanced multipartite quantum correlation by non-Gaussian operations. <i>Physical Review A</i> , 2013, 88, .	1.0	18
62	Improve the maximum transmission distance of no-switching continuous-variable quantum key distribution by using a noiseless linear amplifier. , 2013, , .		1
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64	Continuous-variable QKD with post-selection is secure. , 2013, , .		1
65	Experimental aspects of secret key generation in indoor wireless environments. , 2013, , .		23
66	Entanglement Detection: Complexity and Shannon Entropic Criteria. <i>IEEE Transactions on Information Theory</i> , 2013, 59, 6774-6778.	1.5	16
67	Tunable non-Gaussian resources for continuous-variable quantum technologies. <i>Physical Review A</i> , 2013, 88, .	1.0	13
68	Security of Continuous-Variable Quantum Key Distribution Against General Attacks. <i>Physical Review Letters</i> , 2013, 110, 030502.	2.9	183
69	Experimental demonstration of a receiver beating the standard quantum limit for multiple nonorthogonal state discrimination. <i>Nature Photonics</i> , 2013, 7, 147-152.	15.6	124
70	Sequential, successive, and simultaneous decoders for entanglement-assisted classical communication. <i>Quantum Information Processing</i> , 2013, 12, 641-683.	1.0	7
71	Quantum communication with an accelerated partner. <i>Physical Review A</i> , 2013, 87, .	1.0	35
72	Improving noiseless linear amplification for optical quantum communication with quadrature squeezing. <i>Physical Review A</i> , 2013, 87, .	1.0	16

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74	A limit formula for the quantum fidelity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 025304.	0.7	21
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77	Experimental demonstration of long-distance continuous-variable quantum key distribution. <i>Nature Photonics</i> , 2013, 7, 378-381.	15.6	629
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79	Comparison of error probability bounds in quantum state discrimination. <i>Physical Review A</i> , 2013, 87, .	1.0	3
80	Non-classicality versus channel capacity for a superposition of entangled coherent states. <i>Quantum Information Processing</i> , 2013, 12, 2587-2601.	1.0	4
81	Nonlinear cross-Kerr quasiclassical dynamics. <i>New Journal of Physics</i> , 2013, 15, 043038.	1.2	12
82	Unconditional generation of bright coherent non-Gaussian light from exciton-polariton condensates. <i>Physical Review B</i> , 2013, 87, .	1.1	9
83	Quantum approach of mesoscopic magnet dynamics with spin transfer torque. <i>Physical Review B</i> , 2013, 87, .	1.1	10
84	THE BALANCE OF QUANTUM CORRELATIONS FOR A CLASS OF FEASIBLE TRIPARTITE CONTINUOUS VARIABLE STATES. <i>International Journal of Modern Physics B</i> , 2013, 27, 1345024.	1.0	11
85	Entropy and entanglement in polymer quantization. <i>Classical and Quantum Gravity</i> , 2013, 30, 135006.	1.5	5
86	Almost local generation of Einstein-Podolsky-Rosen entanglement in nonequilibrium open systems. <i>Physical Review A</i> , 2013, 88, .	1.0	19
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92	A 300-MHz Bandwidth Balanced Homodyne Detector for Continuous Variable Quantum Key Distribution. Chinese Physics Letters, 2013, 30, 114209.	1.3	37
93	Displacement-enhanced entanglement distillation of single-mode-squeezed entangled states. Optics Express, 2013, 21, 6670.	1.7	12
94	Generating superposition of up-to three photons for continuous variable quantum information processing. Optics Express, 2013, 21, 5529.	1.7	122
95	Stable control of 10 dB two-mode squeezed vacuum states of light. Optics Express, 2013, 21, 11546.	1.7	111
96	Stabilizer information inequalities from phase space distributions. Journal of Mathematical Physics, 2013, 54, .	0.5	22
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98	Efficient simulation scheme for a class of quantum optics experiments with non-negative Wigner representation. New Journal of Physics, 2013, 15, 013037.	1.2	65
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100	Nondeterministic noiseless amplification via non-symplectic phase space transformations. New Journal of Physics, 2013, 15, 073014.	1.2	23
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107	Bose-Hubbard models with photon pairing in circuit-QED. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 224024.	0.6	6
108	Effect of excess noise on continuous variable entanglement sudden death and Gaussian quantum discord. Chinese Physics B, 2013, 22, 080304.	0.7	6

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110	Relativistic Motion Generates Quantum Gates and Entanglement Resonances. <i>Physical Review Letters</i> , 2013, 111, 090504.	2.9	32
111	Beating the One-Half Limit of Ancilla-Free Linear Optics Bell Measurements. <i>Physical Review Letters</i> , 2013, 110, 260501.	2.9	45
112	Continuous-variable topological codes. <i>Physical Review A</i> , 2013, 88, .	1.0	5
113	Preventing calibration attacks on the local oscillator in continuous-variable quantum key distribution. <i>Physical Review A</i> , 2013, 87, .	1.0	235
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126	Amendable Gaussian channels: Restoring entanglement via a unitary filter. <i>Physical Review A</i> , 2013, 87, .	1.0	9



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128	DISCRETELY MODULATED CONTINUOUS-VARIABLE QUANTUM KEY DISTRIBUTION WITH A NONDETERMINISTIC NOISELESS AMPLIFIER. <i>International Journal of Quantum Information</i> , 2013, 11, 1350037.	0.6	1
129	SECURITY ENHANCED DIRECT QUANTUM COMMUNICATION WITH HIGHER BIT-RATE. <i>International Journal of Quantum Information</i> , 2013, 11, 1350020.	0.6	6
130	Ideal quantum reading of optical memories. <i>Journal of Physics: Conference Series</i> , 2013, 414, 012038.	0.3	0
131	Entanglement-Assisted Classical Communication. , 0, , 477-507.		0
132	Two-way quantum cryptography with continuous variables: unconditional security and performances at different wavelengths. , 2014, , .		0
133	Entanglement in curved spacetimes and cosmology. <i>Classical and Quantum Gravity</i> , 2014, 31, 214001.	1.5	57
134	Continuous Variable Quantum Information: Gaussian States and Beyond. <i>Open Systems and Information Dynamics</i> , 2014, 21, 1440001.	0.5	477
135	Improvement of two-way continuous-variable quantum key distribution using optical amplifiers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 035501.	0.6	28
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137	Efficiency of entanglement concentration by photon subtraction. <i>Physica Scripta</i> , 2014, T160, 014028.	1.2	1
138	Entanglement dynamics of two-mode Gaussian systems in a two-reservoir model. <i>Physica Scripta</i> , 2014, T160, 014019.	1.2	6
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144	Noise analysis of single-mode Gaussian operations using continuous-variable cluster states. <i>Physical Review A</i> , 2014, 90, .	1.0	34

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146	Improvement of no-switching continuous-variable quantum key distribution system by using a practical noiseless linear amplifier. , 2014, , .		0
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148	Computing quantum discord is NP-complete. New Journal of Physics, 2014, 16, 033027.	1.2	192
149	Quantum Networks with Optical Frequency Combs. , 2014, , .		0
150	Squeezed-State Measurement-Device-Independent Quantum Key Distribution. , 2014, , .		0
151	Quantifying the source of enhancement in experimental continuous variable quantum illumination. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2045.	0.9	33
152	Generation of picosecond pulsed coherent state superpositions. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1192.	0.9	13
153	Quasi-probability distributions and decoherence of Hermite-excited squeezed thermal states. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2163.	0.9	13
154	Regularized linearization for quantum nonlinear optical cavities: application to degenerate optical parametric oscillators. Optics Express, 2014, 22, 24010.	1.7	14
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161	Certifying quantumness: Benchmarks for the optimal processing of generalized coherent and squeezed states. Physical Review A, 2014, 90, .	1.0	19
162	Thermal purification and thermal entanglement of the two-resonant-coupled-oscillator system at finite temperature. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 375301.	0.7	0

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164	Gaussian-modulated coherent-state measurement-device-independent quantum key distribution. Physical Review A, 2014, 89, .	1.0	83
165	Continuous discretization of infinite-dimensional Hilbert spaces. Physical Review A, 2014, 89, .	1.0	20
166	Heralding efficiency and correlated-mode coupling of near-IR fiber-coupled photon pairs. Physical Review A, 2014, 90, .	1.0	43
167	No-activation theorem for Gaussian nonclassical correlations by Gaussian operations. Physical Review A, 2014, 90, .	1.0	8
168	Weaving quantum optical frequency combs into continuous-variable hypercubic cluster states. Physical Review A, 2014, 90, .	1.0	37
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172	Gaussian states under coarse-grained continuous variable measurements. Physical Review A, 2014, 89, .	1.0	12
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174	Asymmetric quantum hypothesis testing with Gaussian states. Physical Review A, 2014, 90, .	1.0	24
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180	Quantum channels and memory effects. Reviews of Modern Physics, 2014, 86, 1203-1259.	16.4	232

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182	Long-distance continuous-variable quantum key distribution with efficient channel estimation. Physical Review A, 2014, 90, .	1.0	74
183	Strong converse for the capacity of quantum Gaussian channels. , 2014, , .		1
184	Entanglement-based continuous-variable quantum key distribution with multimode states and detectors. Physical Review A, 2014, 90, .	1.0	23
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190	Security of two-way continuous-variable quantum key distribution with source noise. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 215504.	0.6	3
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193	Quantum metrology for relativistic quantum fields. Physical Review D, 2014, 89, .	1.6	77
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195	Theory of Genuine Tripartite Nonlocality of Gaussian States. Physical Review Letters, 2014, 112, 010401.	2.9	22
196	Measurement-based noiseless linear amplification for quantum communication. Nature Photonics, 2014, 8, 333-338.	15.6	95
197	Quantum secret sharing with continuous variable graph state. Quantum Information Processing, 2014, 13, 1085-1102.	1.0	15
198	Analytical approach and reconstruction of the density matrix of coupled oscillators. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 045501.	0.6	2

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200	Quantum state majorization at the output of bosonic Gaussian channels. <i>Nature Communications</i> , 2014, 5, 3826.	5.8	69
201	Continuous-variable-entanglement swapping and its local certification: Entangling distant mechanical modes. <i>Physical Review A</i> , 2014, 89, .	1.0	28
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203	Entanglement Detection in Coupled Particle Plasmons. <i>Physical Review Letters</i> , 2014, 112, .	2.9	17
204	Two-way quantum cryptography at different wavelengths. <i>Physical Review A</i> , 2014, 89, .	1.0	55
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