Experimental entanglement distillation of mesoscopic of

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Citation Report

#	Article	IF	CITATIONS
1	Pick the best and ignore the rest. Nature Physics, 2008, 4, 909-910.	16.7	1
2	Quantum entanglement beyond Gaussian criteria. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21517-21520.	7.1	56
3	Continuous Variable Entanglement Distillation of Non-Gaussian States. , 2009, , .		0
4	Optical entanglement of co-propagating modes. Nature Photonics, 2009, 3, 399-402.	31.4	60
5	Quantum error correction beyond qubits. Nature Physics, 2009, 5, 541-546.	16.7	113
6	Wigner-function theory and decoherence of the quantum-injected optical parametric amplifier. Physical Review A, 2009, 80, .	2.5	33
7	Entropic Entanglement Criteria for Continuous Variables. Physical Review Letters, 2009, 103, 160505.	7.8	79
8	Continuous-variable entanglement distillation over a general lossy channel. Physical Review A, 2009, 80, .	2.5	29
9	Conditional preparation of arbitrary superpositions of atomic Dicke states. Physical Review A, 2009, 79, .	2.5	10
10	Gaussification of quantum states of traveling light beams in atomic memory. Physical Review A, 2010, 82, .	2.5	1
11	Atmospheric channel characteristics for quantum communication with continuous polarization variables. Applied Physics B: Lasers and Optics, 2010, 98, 635-640.	2.2	39
12	Continuousâ€variable quantum information processing. Laser and Photonics Reviews, 2010, 4, 337-354.	8.7	117
13	Entanglement distillation from Gaussian input states. Nature Photonics, 2010, 4, 178-181.	31.4	250
14	Repairing quadrature entanglement. Nature Photonics, 2010, 4, 136-138.	31.4	1
15	Heralded noiseless linear amplification and distillation of entanglement. Nature Photonics, 2010, 4, 316-319.	31.4	272
16	Teleportation of squeezing: Optimization using non-Gaussian resources. Physical Review A, 2010, 82, .	2.5	38
17	Distillation and purification of symmetric entangled Gaussian states. Physical Review A, 2010, 82, .	2.5	34
18	Continuous-variable entanglement distillation of non-Gaussian mixed states. Physical Review A, 2010,	2.5	30

#	Article	IF	CITATIONS
19	Quantum state engineering, purification, and number-resolved photon detection with high-finesse optical cavities. Physical Review A, 2010, 81, .	2.5	9
20	Iterative Entanglement Distillation: Approaching the Elimination of Decoherence. Physical Review Letters, 2010, 105, 230502.	7.8	8
21	Demonstration of Coherent-State Discrimination Using a Displacement-Controlled Photon-Number-Resolving Detector. Physical Review Letters, 2010, 104, 100505.	7.8	80
22	A note on quantum error correction with continuous variables. Journal of Modern Optics, 2010, 57, 1965-1971.	1.3	9
23	Conditional measurements on multimode pairwise entangled states from spontaneous parametric downconversion. Europhysics Letters, 2010, 92, 20007.	2.0	33
24	Entanglement quantification from incomplete measurements: applications using photon-number-resolving weak homodyne detectors. New Journal of Physics, 2010, 12, 033042.	2.9	14
25	Observation of squeezed states with strong photon-number oscillations. Physical Review A, 2010, 81, .	2.5	114
26	Discrimination of binary coherent states using a homodyne detector and a photon number resolving detector. Physical Review A, 2010, 81, .	2.5	70
28	Entanglement transfer through the turbulent atmosphere. Physical Review A, 2010, 81, .	2.5	60
29	Role of Initial Entanglement and Non-Gaussianity in the Decoherence of Photon-Number Entangled States Evolving in a Noisy Channel. Physical Review Letters, 2010, 105, 100503.	7.8	42
30	Manipulating Light States by Single-Photon Addition and Subtraction. Progress in Optics, 2010, 55, 41-83.	0.6	25
31	Entanglement concentration for two atomic ensembles using an effective atom-light beamsplitter. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175506.	1.5	2
32	DECOHERENCE OF GAUSSIAN AND NONGAUSSIAN PHOTON-NUMBER ENTANGLED STATES IN A NOISY CHANNEL. International Journal of Quantum Information, 2011, 09, 27-38.	1.1	2
35	Quantum memory for entangled continuous-variable states. Nature Physics, 2011, 7, 13-16.	16.7	130
36	Analytical approach of using squeezed state formation of light for conducting all-optical noise free NAND logic operation. Optik, 2011, 122, 1943-1946.	2.9	5
37	Family of continuous-variable entanglement criteria using general entropy functions. Physical Review A, 2011, 83, .	2.5	33
38	Optical hybrid approaches to quantum information. Laser and Photonics Reviews, 2011, 5, 167-200.	8.7	99
39	Local Gaussian operations can enhance continuous-variable entanglement distillation. Physical Review A. 2011. 84	2.5	41

#	Article	IF	CITATIONS
40	Robustness of Non-Gaussian Entanglement against Noisy Amplifier and Attenuator Environments. Physical Review Letters, 2011, 107, 130501.	7.8	54
41	Sideband entanglement in collective resonance fluorescence. Chinese Physics B, 2011, 20, 114205.	1.4	4
42	Enhancing entanglement of two qubits undergoing independent decoherences by local pre- and postmeasurements. Physical Review A, 2012, 86, .	2.5	60
43	Noiseless Loss Suppression in Quantum Optical Communication. Physical Review Letters, 2012, 109, 180503.	7.8	74
44	Manipulating entanglement of two qubits in a common environment by means of weak measurements and quantum measurement reversals. Physical Review A, 2012, 86, .	2.5	94
45	Multiple independent quantum states sharing under collaboration of agents in quantum networks. Quantum Information Processing, 2012, 11, 1829-1844.	2.2	8
46	Protecting entanglement from decoherence usingÂweak measurement and quantum measurementÂreversal. Nature Physics, 2012, 8, 117-120.	16.7	393
47	Studying free-space transmission statistics and improving free-space quantum key distribution in the turbulent atmosphere. New Journal of Physics, 2012, 14, 123018.	2.9	65
48	Toward Global Quantum Communication: Beam Wandering Preserves Nonclassicality. Physical Review Letters, 2012, 108, 220501.	7.8	122
49	Reliable source of conditional states by multiple-photon subtraction using hybrid photodetectors. , 2012, , .		1
50	Entanglement of Gaussian states and the applicability to quantum key distribution over fading channels. New Journal of Physics, 2012, 14, 093048.	2.9	98
51	Continuous-variable entanglement distillation with noiseless linear amplification. Physical Review A, 2012, 86, .	2.5	5
52	Homodyne detection for atmosphere channels. Physical Review A, 2012, 85, .	2.5	37
53	Gaussification and Entanglement Distillation of Continuous-Variable Systems: A Unifying Picture. Physical Review Letters, 2012, 108, 020501.	7.8	16
54	Gaussian quantum information. Reviews of Modern Physics, 2012, 84, 621-669.	45.6	2,430
55	Gaussian Error Correction of Quantum States in a Correlated Noisy Channel. Physical Review Letters, 2013, 111, 180502.	7.8	24
56	Continuous-variable-entanglement distillation with photon addition. Physical Review A, 2013, 88, .	2.5	28
57	Analytical approach of using squeezed state formation of light for developing a highly noise reduced all-optical 1-bit memory cell. Optik, 2013, 124, 91-93.	2.9	3

#	Article	IF	CITATIONS
58	Experimental recovery of quantum correlations in absence of system-environment back-action. Nature Communications, 2013, 4, 2851.	12.8	205
59	Statistical properties and decoherence in a thermal channel of photon-excited squeezed coherent states. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 135305.	2.1	3
60	Strategies for enhancing quantum entanglement by local photon subtraction. Physical Review A, 2013, 87, .	2.5	54
61	Displacement-enhanced entanglement distillation of single-mode-squeezed entangled states. Optics Express, 2013, 21, 6670.	3.4	12
62	Roles of thermal noise and detector efficiency in distillation of continuous variable entanglement state. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2704.	2.1	3
63	Efficient representation of purity-preserving Gaussian quantum filters. Physical Review A, 2013, 87, .	2.5	2
64	REMOTE SCALABLE ENTANGLING OF SYMMETRIC DICKE STATES. International Journal of Quantum Information, 2013, 11, 1350028.	1.1	0
65	Quantum conditional cloning of continuous variable entangled states. Journal of the European Optical Society-Rapid Publications, 0, 9, .	1.9	0
66	Local squeezing-assisted two-copy and single-copy continuous variable entanglement distillation. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 810.	2.1	0
67	Protecting Distribution Entanglement by Weak Measurement and Reversal under Various Decoherence Sources. Communications in Theoretical Physics, 2014, 61, 464-468.	2.5	17
68	Atmospheric continuous-variable quantum communication. New Journal of Physics, 2014, 16, 113018.	2.9	83
69	Distillation of The Two-Mode Squeezed State. Physical Review Letters, 2014, 112, 070402.	7.8	76
70	Protecting quantum states from decoherence of finite temperature using weak measurement. Physical Review A, 2014, 89, .	2.5	93
71	Non-classicality and decoherence of states generated via quantum excitation on Gaussian states in a thermal environment. European Physical Journal D, 2014, 68, 1.	1.3	0
72	Cavity-based architecture to preserve quantum coherence and entanglement. Scientific Reports, 2015, 5, 13843.	3.3	141
73	Five-wave-packet quantum error correction based on continuous-variable cluster entanglement. Scientific Reports, 2015, 5, 15462.	3.3	8
74	Quantum discord protection from amplitude damping decoherence. Optics Express, 2015, 23, 26012.	3.4	14
75	Improving tripartite entanglement in open system by weak measurement and quantum measurement reversal. Laser Physics, 2015, 25, 055201.	1.2	4

#	Article	IF	CITATIONS
76	Manipulating entanglement against dissipation by pre- and post-measurements with initial system-environment correlations. European Physical Journal D, 2015, 69, 1.	1.3	1
77	Enhancing entanglement trapping by weak measurement and quantum measurement reversal. Annals of Physics, 2015, 354, 203-212.	2.8	24
78	Optimized decoherence suppression of two qubits in independent non-Markovian environments using weak measurement and quantum measurement reversal. Quantum Information Processing, 2015, 14, 755-764.	2.2	13
79	Coherent control of multipartite entanglement. Physical Review A, 2015, 91, .	2.5	11
80	Inducing multipartite entanglement revival in dissipative environment by means of prior quantum uncollapsing measurements. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 66-73.	2.6	7
81	Quantum squeezing and entanglement from a two-mode phase-sensitive amplifier via four-wave mixing in rubidium vapor. New Journal of Physics, 2015, 17, 023027.	2.9	51
82	Protecting entanglement under depolarizing noise environment by using weak measurements. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 7-13.	2.6	9
83	Low-noise macroscopic twin beams. Physical Review A, 2016, 93, .	2.5	20
84	Efficient entanglement distillation without quantum memory. Nature Communications, 2016, 7, 11720.	12.8	9
85	Protection of quantum correlations against decoherence. Quantum Information Processing, 2016, 15, 773-790.	2.2	2
86	Enhancing Atomic Entanglement in a Common Reservoir by Weak Measurement and its Reversal. International Journal of Theoretical Physics, 2016, 55, 137-146.	1.2	1
87	Protecting Qutrit Quantum Coherence. International Journal of Theoretical Physics, 2017, 56, 2540-2550.	1.2	11
88	Entanglement-distillation attack on continuous-variable quantum key distribution in a turbulent atmospheric channel. Physical Review A, 2017, 96, .	2.5	42
89	Quantum discord protection of a two-qutrit V-type atomic system from decoherence by partially collapsing measurements. Quantum Information Processing, 2017, 16, 1.	2.2	7
90	Avoiding disentanglement of multipartite entangled optical beams with a correlated noisy channel. Scientific Reports, 2017, 7, 44475.	3.3	13
91	Quantifying non-Gaussianity of quantum-state correlation. Physical Review A, 2017, 96, .	2.5	19
92	Protecting Quantum Correlation from Correlated Amplitude Damping Channel. Brazilian Journal of Physics, 2017, 47, 400-405.	1.4	16
93	Optimal Protection of Quantum Coherence in Noisy Environment. International Journal of Theoretical Physics, 2017, 56, 503-513.	1.2	32

#	Article	IF	CITATIONS
94	Dynamics and maintenance of bipartite entanglement via the Stark shift effect inside dissipative reservoirs. Laser Physics Letters, 2018, 15, 035205.	1.4	14
95	Entanglement concentration and purification of two-mode squeezed microwave photons in circuit QED. Annals of Physics, 2018, 391, 112-119.	2.8	11
96	Experimental realization of a feedback optical parametric amplifier with four-wave mixing. Physical Review B, 2018, 97, .	3.2	14
97	Dynamics of entanglement protection of two qubits using a driven laser field and detunings: Independent and common, Markovian and/or non-Markovian regimes. Chinese Physics B, 2018, 27, 040303.	1.4	13
98	Entanglement of a class of non-Gaussian states in disordered harmonic oscillator systems. Journal of Mathematical Physics, 2018, 59, 031904.	1.1	6
99	Optical remote control of a single charge qubit. Physical Review B, 2018, 98, .	3.2	0
100	Continuous-variable entanglement distillation between remote quantum nodes. Physical Review A, 2018, 98, .	2.5	2
101	Protection of entanglement between two qubits trapped in coupled cavities via cavity architecture. Laser Physics Letters, 2018, 15, 115204.	1.4	1
102	Coping with attenuation of quantum correlations of two qubit systems in dissipative environments: multi-photon transitions. European Physical Journal D, 2018, 72, 1.	1.3	8
103	Quantum hacking of free-space continuous-variable quantum key distribution by using a machine-learning technique. Physical Review A, 2019, 100, .	2.5	9
104	Enabling entanglement distillation via optomechanics. Physical Review A, 2019, 100, .	2.5	7
105	Improvement of the entanglement properties for entangled states using a superposition of number-conserving operations. Laser Physics Letters, 2019, 16, 085204.	1.4	9
106	Entanglement properties of a measurement-based entanglement distillation experiment. Physical Review A, 2019, 99, .	2.5	1
107	Deterministic bidirectional communication and remote entanglement generation between superconducting qubits. Npj Quantum Information, 2019, 5, .	6.7	44
108	R&D advances for quantum communication systems. , 2020, , 495-563.		1
109	Assisted concentration of Gaussian resources. Physical Review A, 2020, 101, .	2.5	9
110	Remote Entanglement via Adiabatic Passage Using a Tunably Dissipative Quantum Communication System. Physical Review Letters, 2020, 124, 240502.	7.8	23
111	The distillability of entanglement of bipartite reduced density matrices of a tripartite state. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 275304.	2.1	3

	CHAI	ION REPORT	
#	Article	IF	CITATIONS
112	Steering entropic uncertainty of qutrit system. Modern Physics Letters A, 2020, 35, 2050127.	1.2	2
113	Estimation of heavy tails in optical non-linear processes. New Journal of Physics, 2021, 23, 043013.	2.9	0
114	Quantum computation and error correction based on continuous variable cluster states*. Chinese Physics B, 2021, 30, 060312.	1.4	7
115	Entanglement Robustness via Spatial Deformation of Identical Particle Wave Functions. Entropy, 2021, 23, 708.	2.2	16
116	Non-Gaussian Quantum States and Where to Find Them. PRX Quantum, 2021, 2, .	9.2	101
117	Phase-sensitive cascaded four-wave mixing processes for generating continuous-variable entanglement. Applied Optics, 2017, 56, 2398.	2.1	3
118	Stabilization of transmittance fluctuations caused by beam wandering in continuous-variable quantum communication over free-space atmospheric channels. Optics Express, 2018, 26, 31106.	3.4	22
119	Distillation of squeezing using an engineered pulsed parametric down-conversion source. Optics Express, 2020, 28, 30784.	3.4	7
120	Photon subtraction from traveling fields - recent experimental demonstrations. Progress in Informatics, 2011, , 5.	0.2	8
121	Protocol for deterministic entanglement concentration of three pairs of partially entangled particles. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 060303.	0.5	2
122	Optimal deterministic entanglement concentration of polarized photons through direct sum extension. Quantum Information and Computation, 2011, 11, 592-605.	0.3	1
123	Optoelectronics in Suppression Noise of Light. , 0, , .		0
124	Generation and Detection of Mesoscopic Pulsed States of Light for Quantum Information. , 0, , .		0
125	Continuous-variable three-color tripartite entangled state generated by a non-degenerate optical parameter oscillator. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 014206.	0.5	0
126	Suppressing excess noise for atmospheric continuous-variable quantum key distribution via adaptive optics approach. New Journal of Physics, 2020, 22, 103009.	2.9	10
127	Experimental quantum decoherence control by dark states of the environment. New Journal of Physics, 2020, 22, 093058.	2.9	3
128	Entropic entanglement criteria in phase space. Physical Review A, 2022, 105, .	2.5	7
129	Efficient Backcasting Search for Optical Quantum State Synthesis. Physical Review Letters, 2022, 128, .	7.8	14

#	Article	IF	CITATIONS
130	Indistinguishability-Enhanced Entanglement Recovery by Spatially Localized Operations and Classical Communication. Open Systems and Information Dynamics, 2021, 28, .	1.2	8
131	Atmospheric implementation of superdense coding quantum algorithm. , 2022, 3, 186-201.		0
132	Entanglement-Assisted Quantum Networks: Mechanics, Enabling Technologies, Challenges, and Research Directions. IEEE Communications Surveys and Tutorials, 2023, 25, 2133-2189.	39.4	6
133	Robust Engineering of Maximally Entangled States by Identical Particle Interferometry. Advanced Quantum Technologies, 2023, 6, .	3.9	3
134	Accessing continuous-variable entanglement witnesses with multimode spin observables. Physical Review A, 2023, 108, .	2.5	2
135	General Class of Continuous Variable Entanglement Criteria. Physical Review Letters, 2023, 131, .	7.8	2
136	Asymptotically deterministic robust preparation of maximally entangled bosonic states. Physical Review Research, 2024, 6, .	3.6	0
137	Resonance triplet dynamics in the quenched unitary Bose gas. Physical Review Research, 2024, 6, .	3.6	0