

Matteo G A Paris

List of Publications by Year in descending order

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276
papers

10,837
citations

31976

53
h-index

43889

91
g-index

277
all docs

277
docs citations

277
times ranked

3591
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum steering with Gaussian states: A tutorial. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 430, 127954.	2.1	4
2	Phase noise mitigation by a realistic optical parametric oscillator. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, 1059.	2.1	2
3	Quantum-classical distance as a tool to design optimal chiral quantum walks. <i>Physical Review A</i> , 2022, 105, .	2.5	7
4	Cost-effective estimation of single-mode thermal states by probabilistic quantum metrology. <i>Quantum Science and Technology</i> , 2022, 7, 035011.	5.8	1
5	Universality of the fully connected vertex in Laplacian continuous-time quantum walk problems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 265303.	2.1	4
6	Multiparameter quantum metrology with discrete-time quantum walks. <i>Physical Review A</i> , 2022, 105, .	2.5	6
7	Noisy propagation of Gaussian states in optical media with finite bandwidth. <i>Scientific Reports</i> , 2022, 12, .	3.3	12
8	Probing of nonlinear hybrid optomechanical systems via partial accessibility. <i>Physical Review Research</i> , 2022, 4, .	3.6	11
9	Improving Quantum Search on Simple Graphs by Pretty Good Structured Oracles. <i>Symmetry</i> , 2021, 13, 96.	2.2	6
10	Transport Efficiency of Continuous-Time Quantum Walks on Graphs. <i>Entropy</i> , 2021, 23, 85.	2.2	10
11	Steering nonclassicality of Gaussian states. <i>Physical Review A</i> , 2021, 103, .	2.5	7
12	Role of topology in determining the precision of a finite thermometer. <i>Physical Review E</i> , 2021, 104, 014136.	2.1	2
13	Generalized quantum-classical correspondence for random walks on graphs. <i>Physical Review A</i> , 2021, 104, .	2.5	11
14	An Enhanced Photonic Quantum Finite Automaton. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8768.	2.5	5
15	Discrimination of Ohmic thermal baths by quantum dephasing probes. <i>Physical Review A</i> , 2021, 103, .	2.5	8
16	Quantum Probes for the Characterization of Nonlinear Media. <i>Entropy</i> , 2021, 23, 1353.	2.2	13
17	Exploiting Gaussian steering to probe non-Markovianity due to the interaction with a structured environment. <i>Physical Review A</i> , 2021, 104, .	2.5	3
18	Multiclass classification of dephasing channels. <i>Physical Review A</i> , 2021, 104, .	2.5	6

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19	Technique for active stabilization of the relative phase between seed and pump in an optical parametric oscillator. <i>Physical Review A</i> , 2021, 104, .	2.5	0
20	On the properties of the asymptotic incompatibility measure in multiparameter quantum estimation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 485301.	2.1	10
21	Quantum Spatial Search in Two-Dimensional Waveguide Arrays. <i>Physical Review Applied</i> , 2021, 16, .	3.8	7
22	On the discontinuity of the quantum Fisher information for quantum statistical models with parameter dependent rank. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 02LT01.	2.1	26
23	Scattering as a Quantum Metrology Problem: A Quantum Walk Approach. <i>Entropy</i> , 2020, 22, 1321.	2.2	8
24	Continuous-time quantum walks in the presence of a quadratic perturbation. <i>Physical Review A</i> , 2020, 102, .	2.5	5
25	Quantum probes for universal gravity corrections. <i>Physical Review D</i> , 2020, 102, .	4.7	3
26	On the Quantumness of Multiparameter Estimation Problems for Qubit Systems. <i>Entropy</i> , 2020, 22, 1197.	2.2	15
27	About the quantum Fisher information of nearly pure quantum statistical models. <i>International Journal of Quantum Information</i> , 2020, 18, 1941022.	1.1	0
28	Two-qubit quantum probes for the temperature of an Ohmic environment. <i>Physical Review A</i> , 2020, 101, .	2.5	36
29	Continuous-time quantum walks on planar lattices and the role of the magnetic field. <i>Physical Review A</i> , 2020, 101, .	2.5	7
30	Critical Quantum Metrology with a Finite-Component Quantum Phase Transition. <i>Physical Review Letters</i> , 2020, 124, 120504.	7.8	92
31	Quantum-classical dynamical distance and quantumness of quantum walks. <i>Physical Review A</i> , 2020, 102, .	2.5	10
32	Experimental realization of a local-to-global noise transition in a two-qubit optical simulator. <i>Physical Review A</i> , 2020, 101, .	2.5	0
33	Squeezing Phase Diffusion. <i>Physical Review Letters</i> , 2020, 124, 163601.	7.8	6
34	Quantum probing beyond pure dephasing. <i>New Journal of Physics</i> , 2020, 22, 083027.	2.9	25
35	Squeezing as a resource to counteract phase diffusion in optical phase estimation. <i>Physical Review A</i> , 2020, 102, .	2.5	7
36	Photonic realization of a quantum finite automaton. <i>Physical Review Research</i> , 2020, 2, .	3.6	11

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37	Tight bound on finite-resolution quantum thermometry at low temperatures. <i>Physical Review Research</i> , 2020, 2, .	3.6	27
38	Mechanical oscillator thermometry in the nonlinear optomechanical regime. <i>Physical Review Research</i> , 2020, 2, .	3.6	14
39	Quantum enhanced metrology of Hamiltonian parameters beyond the Cram�r-Rao bound. <i>International Journal of Quantum Information</i> , 2020, 18, 2030001.	1.1	4
40	Towards quantum sensing with molecular spins. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 491, 165534.	2.3	10
41	Quantum Sensing of Curvature. <i>International Journal of Theoretical Physics</i> , 2019, 58, 2914-2935.	1.2	2
42	Quantum tomography of light states by photon-number-resolving detectors. <i>New Journal of Physics</i> , 2019, 21, 103045.	2.9	10
43	Experimental investigation of the effect of classical noise on quantum non-Markovian dynamics. <i>Physical Review A</i> , 2019, 100, .	2.5	22
44	Naimark extension for the single-photon canonical phase measurement. <i>Physical Review A</i> , 2019, 100, .	2.5	3
45	The walker speaks its graph: global and nearly-local probing of the tunnelling amplitude in continuous-time quantum walks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 105304.	2.1	3
46	Quantum state engineering by nondeterministic noiseless linear amplification. <i>Physical Review A</i> , 2019, 99, .	2.5	8
47	Lattice quantum magnetometry. <i>Physical Review A</i> , 2019, 99, .	2.5	14
48	Quantum thermometry by single-qubit dephasing. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	42
49	Optimal strategies to infer the width of an infinite square well by performing measurements on the particle(s) contained in the well. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 265302.	2.1	0
50	Process estimation in qubit systems: a quantum decision theory approach. <i>Quantum Information Processing</i> , 2019, 18, 1.	2.2	3
51	Quantum walker as a probe for its coin parameter. <i>Physical Review A</i> , 2019, 99, .	2.5	6
52	Quantum Probes for Ohmic Environments at Thermal Equilibrium. <i>Entropy</i> , 2019, 21, 486.	2.2	20
53	Quantum metrology out of equilibrium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 825-833.	2.6	11
54	Squeezing-Enhanced Phase-Shift-Keyed Binary Communication in Noisy Channels. <i>Proceedings (mdpi)</i> , 2019, 12, .	0.2	2

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55	Characterizing non-deterministic noiseless linear amplifiers at the quantum limit. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 495302.	2.1	3
56	Non-Markovian evolution of a two-level system interacting with a fluctuating classical field via dipole interaction. Optics Communications, 2019, 437, 377-381.	2.1	7
57	Quantum phase communication channels assisted by non-deterministic noiseless amplifiers. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2938.	2.1	21
58	Quantum metrology at level anticrossing. Physical Review A, 2018, 97, .	2.5	13
59	Continuous-variable quantum probes for structured environments. Physical Review A, 2018, 97, .	2.5	39
60	Quantum probes for the cutoff frequency of Ohmic environments. Physical Review A, 2018, 97, .	2.5	56
61	Probing the sign of the Hubbard interaction by two-particle quantum walks. Physical Review A, 2018, 97, .	2.5	10
62	Squeezing-enhanced phase-shift-keyed binary communication in noisy channels. Physical Review A, 2018, 97, .	2.5	17
63	Non-Markovianity is not a resource for quantum spatial search on a star graph subject to generalized percolation. Quantum Measurements and Quantum Metrology, 2018, 5, 40-49.	3.3	5
64	Quantum spatial search on graphs subject to dynamical noise. Physical Review A, 2018, 98, .	2.5	19
65	Resource theory of quantum non-Gaussianity and Wigner negativity. Physical Review A, 2018, 98, .	2.5	155
66	Continuous-time quantum walks on dynamical percolation graphs. Europhysics Letters, 2018, 124, 60001.	2.0	18
67	Qubit systems subject to unbalanced random telegraph noise: quantum correlations, non-Markovianity and teleportation. European Physical Journal D, 2018, 72, 1.	1.3	9
68	Estimation of general Hamiltonian parameters via controlled energy measurements. Physical Review A, 2018, 98, .	2.5	7
69	Universal Quantum Magnetometry with Spin States at Equilibrium. Physical Review Letters, 2018, 120, 260503.	7.8	17
70	Homodyning the $\langle \text{si51.gif} \rangle$ of Gaussian states. Optics Communications, 2018, 426, 547-552.	2.1	7
71	Hybrid quantum key distribution using coherent states and photon-number-resolving detectors. Physical Review A, 2018, 98, .	2.5	22
72	Back and forth from Fock space to Hilbert space: a guide for commuters. European Journal of Physics, 2018, 39, 065401.	0.6	5

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73	Detection of squeezed light with glass-integrated technology embedded into a homodyne detector setup. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1596.	2.1	11
74	Quantum Simulation of Non-Markovian Qubit Dynamics by an All-Optical Setup. , 2018, , 37-46.		0
75	Noisy quantum walks of two indistinguishable interacting particles. <i>Physical Review A</i> , 2017, 95, .	2.5	21
76	All-optical quantum simulator of qubit noisy channels. <i>Applied Physics Letters</i> , 2017, 110, 081107.	3.3	51
77	Can quantum probes satisfy the weak equivalence principle?. <i>Annals of Physics</i> , 2017, 380, 213-223.	2.8	16
78	Quantum limits to mass sensing in a gravitational field. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 235301.	2.1	11
79	Quantum-limited estimation of continuous spontaneous localization. <i>Physical Review A</i> , 2017, 95, .	2.5	15
80	GPU-accelerated algorithms for many-particle continuous-time quantum walks. <i>Computer Physics Communications</i> , 2017, 215, 235-245.	7.5	9
81	Quantum metrology beyond the quantum Cram�r-Rao theorem. <i>Physical Review A</i> , 2017, 95, .	2.5	27
82	Entanglement as a resource for discrimination of classical environments. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 245-251.	2.1	5
83	Continuous-time quantum walks on spatially correlated noisy lattices. <i>Physical Review A</i> , 2017, 96, .	2.5	19
84	Probing the diamagnetic term in light-matter interaction. <i>Quantum Science and Technology</i> , 2017, 2, 01LT01.	5.8	16
85	Effective description of the short-time dynamics in open quantum systems. <i>Physical Review A</i> , 2017, 96, .	2.5	12
86	Generation of coherence via Gaussian measurements. <i>Physical Review A</i> , 2017, 96, .	2.5	8
87	Non-Markovianity by undersampling in quantum optical simulators. <i>International Journal of Quantum Information</i> , 2017, 15, 1740009.	1.1	6
88	An effective iterative method to build the Naimark extension of rank-n POVMs. <i>International Journal of Quantum Information</i> , 2017, 15, 1750029.	1.1	4
89	Ultimate limits for quantum magnetometry via time-continuous measurements. <i>New Journal of Physics</i> , 2017, 19, 123011.	2.9	44
90	Quantum walks of two interacting particles on percolation graphs. <i>Journal of Physics: Conference Series</i> , 2017, 906, 012017.	0.4	2

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91	Experimental quantum tomography of a homodyne detector. <i>New Journal of Physics</i> , 2017, 19, 053015.	2.9	29
92	Experimental pre-assessing of two-mode entanglement in Gaussian state mixing. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 404.	2.1	2
93	High-order dispersion effects in two-photon interference. <i>Physical Review A</i> , 2016, 94, .	2.5	10
94	Non-Markovian dynamics of single- and two-qubit systems interacting with Gaussian and non-Gaussian fluctuating transverse environments. <i>Journal of Chemical Physics</i> , 2016, 144, 024113.	3.0	30
95	Phase noise in collective binary phase shift keying with Hadamard words. <i>Optics Express</i> , 2016, 24, 1693.	3.4	11
96	Quantum backflow effect and nonclassicality. <i>International Journal of Quantum Information</i> , 2016, 14, 1650032.	1.1	17
97	Gaussian-state interferometry with passive and active elements. <i>Physical Review A</i> , 2016, 93, .	2.5	70
98	Nonlinearity as a resource for nonclassicality in anharmonic systems. <i>Physical Review A</i> , 2016, 93, .	2.5	29
99	Nondivisibility versus backflow of information in understanding revivals of quantum correlations for continuous-variable systems interacting with fluctuating environments. <i>Physical Review A</i> , 2016, 93, .	2.5	13
100	Non-Markovian continuous-time quantum walks on lattices with dynamical noise. <i>Physical Review A</i> , 2016, 93, .	2.5	31
101	Enhanced estimation of loss in the presence of Kerr nonlinearity. <i>Physical Review A</i> , 2016, 93, .	2.5	17
102	Assessing the significance of fidelity as a figure of merit in quantum state reconstruction of discrete and continuous-variable systems. <i>Physical Review A</i> , 2016, 93, .	2.5	27
103	Dicke coupling by feasible local measurements at the superradiant quantum phase transition. <i>Physical Review E</i> , 2016, 93, 052118.	2.1	41
104	Full quantum state reconstruction of symmetric two-mode squeezed thermal states via spectral homodyne detection and a state-balancing detector. <i>Physical Review A</i> , 2016, 93, .	2.5	15
105	Probing deformed quantum commutators. <i>Physical Review D</i> , 2016, 94, .	4.7	12
106	Probing molecular spin clusters by local measurements. <i>Physical Review B</i> , 2016, 94, .	3.2	14
107	Quantum state transfer via Bloch oscillations. <i>Scientific Reports</i> , 2016, 6, 26054.	3.3	19
108	Characterization of qubit chains by Feynman probes. <i>Physical Review A</i> , 2016, 94, .	2.5	32

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109	The Lindley paradox in optical interferometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 570-576.	2.1	1
110	Achieving the Landau bound to precision of quantum thermometry in systems with vanishing gap. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 03LT02.	2.1	39
111	Entangled quantum probes for dynamical environmental noise. <i>Physical Review A</i> , 2015, 92, .	2.5	51
112	Quantum phase communication channels in the presence of static and dynamical phase diffusion. <i>Physical Review A</i> , 2015, 92, .	2.5	25
113	Collapse and revival of quantum coherence for a harmonic oscillator interacting with a classical fluctuating environment. <i>Physical Review A</i> , 2015, 91, .	2.5	31
114	The data aggregation problem in quantum hypothesis testing. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	1
115	Soft-Metric-Based Channel Decoding for Photon Counting Receivers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 62-68.	2.9	5
116	Noisy quantum phase communication channels. <i>Physica Scripta</i> , 2015, 90, 074027.	2.5	8
117	Single- and two-mode quantumness at a beam splitter. <i>Physical Review A</i> , 2015, 91, .	2.5	21
118	Bounds to precision for quantum interferometry with Gaussian states and operations. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1354.	2.1	48
119	Ab initio quantum-enhanced optical phase estimation using real-time feedback control. <i>Nature Photonics</i> , 2015, 9, 577-581.	31.4	101
120	Quantum limits to estimation of photon deformation. <i>International Journal of Quantum Information</i> , 2014, 12, 1461009.	1.1	0
121	About the use of fidelity in continuous variable systems. <i>International Journal of Quantum Information</i> , 2014, 12, 1461015.	1.1	10
122	Probing qubit by qubit: Properties of the POVM and the information/disturbance tradeoff. <i>International Journal of Quantum Information</i> , 2014, 12, 1461012.	1.1	6
123	Detecting quantum non-Gaussianity of noisy Schrödinger cat states. <i>Physica Scripta</i> , 2014, T160, 014035.	2.5	4
124	Engineering decoherence for two-qubit systems interacting with a classical environment. <i>International Journal of Quantum Information</i> , 2014, 12, 1560003.	1.1	50
125	Effective dephasing for a qubit interacting with a transverse classical field. <i>International Journal of Quantum Information</i> , 2014, 12, 1461004.	1.1	26
126	Quantifying the source of enhancement in experimental continuous variable quantum illumination. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2045.	2.1	33

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127	Exact and approximate solutions for the quantum minimum-Kullback-entropy estimation problem. Physical Review A, 2014, 89, .	2.5	2
128	Quantum non-Gaussianity witnesses in phase space. Physical Review A, 2014, 90, .	2.5	52
129	Drawbacks of the use of fidelity to assess quantum resources. Physical Review A, 2014, 89, .	2.5	34
130	Quantum metrology in Lipkin-Meshkov-Glick critical systems. Physical Review A, 2014, 90, .	2.5	83
131	Two-step procedure to discriminate discordant from classical correlated or factorized states. Physical Review A, 2014, 90, .	2.5	26
132	Quantum probes for fractional Gaussian processes. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 256-265.	2.6	23
133	Characterization of classical Gaussian processes using quantum probes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2495-2500.	2.1	61
134	Quantum probes for the spectral properties of a classical environment. Physical Review A, 2014, 89, .	2.5	61
135	Quantifying the nonlinearity of a quantum oscillator. Physical Review A, 2014, 90, .	2.5	14
136	Non-Markovianity of colored noisy channels. Physical Review A, 2014, 89, .	2.5	61
137	Discarding Power of Quantum Evolutions. Physical Review Letters, 2013, 110, 010501.	7.8	18
138	Dynamics of quantum correlations in colored-noise environments. Physical Review A, 2013, 87, .	2.5	91
139	Canonical Naimark extension for generalized measurements involving sets of Pauli quantum observables chosen at random. Physical Review A, 2013, 87, .	2.5	9
140	Quantum probes to experimentally assess correlations in a composite system. Physical Review A, 2013, 88, .	2.5	30
141	Detecting quantum non-Gaussianity via the Wigner function. Physical Review A, 2013, 87, .	2.5	76
142	Homodyne detection as a near-optimum receiver for phase-shift-keyed binary communication in the presence of phase diffusion. Physical Review A, 2013, 87, .	2.5	31
143	Optimal estimation of joint parameters in phase space. Physical Review A, 2013, 87, .	2.5	98
144	THE BALANCE OF QUANTUM CORRELATIONS FOR A CLASS OF FEASIBLE TRIPARTITE CONTINUOUS VARIABLE STATES. International Journal of Modern Physics B, 2013, 27, 1345024.	2.0	11

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145	Revealing interference by continuous variable discordant states. Optics Letters, 2013, 38, 3099.	3.3	7
146	Experimental estimation of quantum discord for a polarization qubit and the use of fidelity to assess quantum correlations. Physical Review A, 2013, 87, .	2.5	34
147	Dynamical paths and universality in continuous-variable open systems. Physical Review A, 2013, 88, .	2.5	7
148	Adaptive phase estimation with squeezed thermal light. , 2013, , .		0
149	Quantum characterization of superconducting photon counters. New Journal of Physics, 2012, 14, 085001.	2.9	69
150	Innovative method to investigate how the spatial correlation of the pump beam affects the purity of polarization entangled states. Optics Letters, 2012, 37, 3951.	3.3	4
151	Homodyne Estimation of Gaussian Quantum Discord. Physical Review Letters, 2012, 109, 180402.	7.8	58
152	Optical interferometry in the presence of large phase diffusion. Physical Review A, 2012, 85, .	2.5	61
153	Two quantum Simpson's paradoxes. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 132001.	2.1	9
154	Ancilla-Assisted Calibration of a Measuring Apparatus. Physical Review Letters, 2012, 108, 253601.	7.8	36
155	Nonclassicality Criteria from Phase-Space Representations and Information-Theoretical Constraints Are Maximally Inequivalent. Physical Review Letters, 2012, 108, 260403.	7.8	80
156	Quantum discord for Gaussian states with non-Gaussian measurements. Physical Review A, 2012, 86, .	2.5	22
157	Qubit-assisted thermometry of a quantum harmonic oscillator. Physical Review A, 2012, 86, .	2.5	64
158	The modern tools of quantum mechanics. European Physical Journal: Special Topics, 2012, 203, 61-86.	2.6	34
159	EFFECTS OF CLASSICAL ENVIRONMENTAL NOISE ON ENTANGLEMENT AND QUANTUM DISCORD DYNAMICS. International Journal of Quantum Information, 2012, 10, 1241005.	1.1	63
160	Quantum estimation of states and operations from incomplete data. European Physical Journal: Special Topics, 2012, 203, 185-192.	2.6	3
161	Geometry of perturbed Gaussian states and quantum estimation. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 152001.	2.1	5
162	On the Discrimination Between Classical and Quantum States. Foundations of Physics, 2011, 41, 305-316.	1.3	10

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163	Fidelity Matters: The Birth of Entanglement in the Mixing of Gaussian States. Physical Review Letters, 2011, 107, 170505.	7.8	27
164	Quantifying non-Markovianity of continuous-variable Gaussian dynamical maps. Physical Review A, 2011, 84, .	2.5	100
165	Nonlocal compensation of pure phase objects with entangled photons. Physical Review A, 2011, 84, .	2.5	6
166	Experimental investigation of initial system-environment correlations via trace-distance evolution. Physical Review A, 2011, 84, .	2.5	86
167	Qubit thermometry for micromechanical resonators. Physical Review A, 2011, 84, .	2.5	82
168	Optimal detection of losses by thermal probes. Physical Review A, 2011, 84, .	2.5	36
169	Finite-time quantum-to-classical transition for a Schrödinger-cat state. Physical Review A, 2011, 84, .	2.5	18
170	Optimal estimation of entanglement in optical qubit systems. Physical Review A, 2011, 83, .	2.5	23
171	Balancing efficiencies by squeezing in realistic eight-port homodyne detection. Physical Review A, 2011, 83, .	2.5	6
172	Programmable entanglement oscillations in a non-Markovian channel. Physical Review A, 2011, 83, .	2.5	32
173	Stationary entanglement in N -atom subradiant degenerate cascade systems. Physical Review A, 2011, 83, .	2.5	0
174	Optical Phase Estimation in the Presence of Phase Diffusion. Physical Review Letters, 2011, 106, 153603.	7.8	178
175	OPTIMIZED QUBIT PHASE ESTIMATION IN NOISY QUANTUM CHANNELS. International Journal of Quantum Information, 2011, 09, 379-387.	1.1	9
176	ENTANGLEMENT TRANSFER IN A MULTIPARTITE CAVITY QED OPEN SYSTEM. International Journal of Quantum Information, 2011, 09, 83-92.	1.1	5
177	Non-Gaussian states by conditional measurements. Physica Scripta, 2010, T140, 014007.	2.5	9
178	Phase estimation in the presence of phase diffusion: the qubit case. Physica Scripta, 2010, T140, 014062.	2.5	22
179	Quantum communication with photon-number entangled states and realistic photodetection. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1342-1345.	2.1	8
180	Tripartite quantum state mapping and discontinuous entanglement transfer in a cavity QED open system. Physica Scripta, 2010, T140, 014015.	2.5	4

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181	Quantifying non-Gaussianity for quantum information. Physical Review A, 2010, 82, .	2.5	158
182	Demonstration of a programmable source of two-photon multiqubit entangled states. Physical Review A, 2010, 81, .	2.5	16
183	Non-Gaussian states produced by close-to-threshold optical parametric oscillators: Role of classical and quantum fluctuations. Physical Review A, 2010, 81, .	2.5	22
184	Experimental estimation of one-parameter qubit gates in the presence of phase diffusion. Physical Review A, 2010, 81, .	2.5	72
185	Experimental Estimation of Entanglement at the Quantum Limit. Physical Review Letters, 2010, 104, 100501.	7.8	57
186	Programmable purification of type-I polarization-entanglement. Applied Physics Letters, 2010, 97, 041108.	3.3	11
187	Conditional measurements on multimode pairwise entangled states from spontaneous parametric downconversion. Europhysics Letters, 2010, 92, 20007.	2.0	33
188	The discrimination problem for two ground states or two thermal states of the quantum Ising model. Journal of Modern Optics, 2010, 57, 198-206.	1.3	14
189	Non-Gaussianity of quantum states: An experimental test on single-photon-added coherent states. Physical Review A, 2010, 82, .	2.5	77
190	Quantum characterization of bipartite Gaussian states. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A110.	2.1	41
191	Gaussian Quantum Discord. Physical Review Letters, 2010, 105, 020503.	7.8	434
192	Nonclassical correlations in non-Markovian continuous-variable systems. Physical Review A, 2010, 82, .	2.5	84
193	Entanglement-induced invariance in bilinear interactions. Physical Review A, 2009, 80, .	2.5	11
194	State reconstruction by on/off measurements. Physical Review A, 2009, 80, .	2.5	38
195	Monitoring the quantum-classical transition in thermally seeded parametric down-conversion by intensity measurements. Physical Review A, 2009, 79, .	2.5	20
196	Continuous-variable-entanglement dynamics in structured reservoirs. Physical Review A, 2009, 80, .	2.5	63
197	Effective method to estimate multidimensional Gaussian states. Physical Review A, 2009, 79, .	2.5	34
198	Full Characterization of Gaussian Bipartite Entangled States by a Single Homodyne Detector. Physical Review Letters, 2009, 102, 020502.	7.8	110

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199	Tripartite entanglement transfer from flying modes to localized qubits. <i>Physical Review A</i> , 2009, 79, .	2.5	23
200	Enhancement of parameter estimation by Kerr interaction. <i>Physical Review A</i> , 2009, 80, .	2.5	23
201	QUANTUM ESTIMATION FOR QUANTUM TECHNOLOGY. <i>International Journal of Quantum Information</i> , 2009, 07, 125-137.	1.1	983
202	Properties of entangled photon pairs generated by a CW laser with small coherence time: theory and experiment. <i>Journal of Modern Optics</i> , 2009, 56, 215-225.	1.3	19
203	Bayesian estimation of one-parameter qubit gates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 035502.	1.5	49
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