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 ESTIMATION FOR QUANTUM TECHNOLOGY. International Journal of Quantum Information, 2009, 07, 125-137.	1.1	983
2	Gaussian Quantum Discord. Physical Review Letters, 2010, 105, 020503.	7.8	434
3	Maximum-likelihood estimation of the density matrix. Physical Review A, 1999, 61, .	2.5	268
4	Teleportation improvement by inconclusive photon subtraction. Physical Review A, 2003, 67, .	2.5	220
5	Using Entanglement Improves the Precision of Quantum Measurements. Physical Review Letters, 2001, 87, 270404.	7.8	216
6	Detection of the density matrix through optical homodyne tomography without filtered back projection. Physical Review A, 1994, 50, 4298-4302.	2.5	193
7	Quantum criticality as a resource for quantum estimation. Physical Review A, 2008, 78, .	2.5	191
8	Optical Phase Estimation in the Presence of Phase Diffusion. Physical Review Letters, 2011, 106, 153603.	7.8	178
9	Optimal Quantum Estimation of Loss in Bosonic Channels. Physical Review Letters, 2007, 98, 160401.	7.8	162
10	Quantum Tomography. Advances in Imaging and Electron Physics, 2003, 128, 205-308.	0.2	160
11	Quantifying the non-Gaussian character of a quantum state by quantum relative entropy. Physical Review A, 2008, 78, .	2.5	160
12	Quantifying non-Gaussianity for quantum information. Physical Review A, 2010, 82, .	2.5	158
13	Resource theory of quantum non-Gaussianity and Wigner negativity. Physical Review A, 2018, 98, .	2.5	155
14	Experimental Reconstruction of Photon Statistics without Photon Counting. Physical Review Letters, 2005, 95, 063602.	7.8	139
15	Sub-shot-noise photon-number correlation in a mesoscopic twin beam of light. Physical Review A, 2007, 76, .	2.5	139
16	Three-mode entanglement by interlinked nonlinear interactions in optical Ï‡^(2) media. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1241.	2.1	128
17	Quantifying decoherence in continuous variable systems. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, R19-R36.	1.4	123
18	Purity of Gaussian states: Measurement schemes and time evolution in noisy channels. Physical Review A, 2003, 68, .	2.5	122

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19	Measure of the non-Gaussian character of a quantum state. Physical Review A, 2007, 76, .	2.5	121
20	Entanglement oscillations in non-Markovian quantum channels. Physical Review A, 2007, 75, .	2.5	117
21	Entanglement and purity of two-mode Gaussian states in noisy channels. Physical Review A, 2004, 69, .	2.5	111
22	Full Characterization of Gaussian Bipartite Entangled States by a Single Homodyne Detector. Physical Review Letters, 2009, 102, 020502.	7.8	110
23	Remote state preparation and teleportation in phase space. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S360-S364.	1.4	102
24	Ab initio quantum-enhanced optical phase estimation using real-time feedback control. Nature Photonics, 2015, 9, 577-581.	31.4	101
25	Quantifying non-Markovianity of continuous-variable Gaussian dynamical maps. Physical Review A, 2011, 84, .	2.5	100
26	Optimal quantum estimation in spin systems at criticality. Physical Review A, 2008, 78, .	2.5	99
27	Optimal estimation of joint parameters in phase space. Physical Review A, 2013, 87, .	2.5	98
28	Critical Quantum Metrology with a Finite-Component Quantum Phase Transition. Physical Review Letters, 2020, 124, 120504.	7.8	92
29	Dynamics of quantum correlations in colored-noise environments. Physical Review A, 2013, 87, .	2.5	91
30	Experimental investigation of initial system-environment correlations via trace-distance evolution. Physical Review A, 2011, 84, .	2.5	86
31	Nonclassical correlations in non-Markovian continuous-variable systems. Physical Review A, 2010, 82, .	2.5	84
32	Quantum metrology in Lipkin-Meshkov-Glick critical systems. Physical Review A, 2014, 90, .	2.5	83
33	Qubit thermometry for micromechanical resonators. Physical Review A, 2011, 84, .	2.5	82
34	Nonclassicality Criteria from Phase-Space Representations and Information-Theoretical Constraints Are Maximally Inequivalent. Physical Review Letters, 2012, 108, 260403.	7.8	80
35	Non-Gaussianity of quantum states: An experimental test on single-photon-added coherent states. Physical Review A, 2010, 82, .	2.5	77
36	Detecting quantum non-Gaussianity via the Wigner function. Physical Review A, 2013, 87, .	2.5	76

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37	Entanglement and visibility at the output of a Mach-Zehnder interferometer. Physical Review A, 1999, 59, 1615-1621.	2.5	75
38	Experimental estimation of one-parameter qubit gates in the presence of phase diffusion. Physical Review A, 2010, 81, .	2.5	72
39	Gaussian-state interferometry with passive and active elements. Physical Review A, 2016, 93, .	2.5	70
40	Quantum characterization of superconducting photon counters. New Journal of Physics, 2012, 14, 085001.	2.9	69
41	Qubit-assisted thermometry of a quantum harmonic oscillator. Physical Review A, 2012, 86, .	2.5	64
42	Continuous-variable-entanglement dynamics in structured reservoirs. Physical Review A, 2009, 80, .	2.5	63
43	EFFECTS OF CLASSICAL ENVIRONMENTAL NOISE ON ENTANGLEMENT AND QUANTUM DISCORD DYNAMICS. International Journal of Quantum Information, 2012, 10, 1241005.	1.1	63
44	Quantum and classical correlations of intense beams of light investigated via joint photodetection. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S652-S663.	1.4	62
45	Optical interferometry in the presence of large phase diffusion. Physical Review A, 2012, 85, .	2.5	61
46	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
47	Quantum probes for the spectral properties of a classical environment. Physical Review A, 2014, 89, .	2.5	61
48	Non-Markovianity of colored noisy channels. Physical Review A, 2014, 89, .	2.5	61
49	Homodyne Estimation of Gaussian Quantum Discord. Physical Review Letters, 2012, 109, 180402.	7.8	58
50	Bayesian estimation in homodyne interferometry. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 055506.	1.5	57
51	Experimental Estimation of Entanglement at the Quantum Limit. Physical Review Letters, 2010, 104, 100501.	7.8	57
52	Quantum probes for the cutoff frequency of Ohmic environments. Physical Review A, 2018, 97, .	2.5	56
53	Photon statistics without counting photons. Physical Review A, 2004, 70, .	2.5	54
54	Quantum non-Gaussianity witnesses in phase space. Physical Review A, 2014, 90, .	2.5	52

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55	Small amount of squeezing in high-sensitive realistic interferometry. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 201, 132-138.	2.1	51
56	Entangled quantum probes for dynamical environmental noise. Physical Review A, 2015, 92, .	2.5	51
57	All-optical quantum simulator of qubit noisy channels. Applied Physics Letters, 2017, 110, 081107.	3.3	51
58	Engineering decoherence for two-qubit systems interacting with a classical environment. International Journal of Quantum Information, 2014, 12, 1560003.	1.1	50
59	Bayesian estimation of one-parameter qubit gates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 035502.	1.5	49
60	Lower bounds on phase sensitivity in ideal and feasible measurements. Physical Review A, 1994, 49, 3022-3036.	2.5	48
61	Quorum of observables for universal quantum estimation. Journal of Physics A, 2001, 34, 93-103.	1.6	48
62	Bounds to precision for quantum interferometry with Gaussian states and operations. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1354.	2.1	48
63	Optimized teleportation in Gaussian noisy channels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 319, 32-43.	2.1	46
64	Minimum decoherence cat-like states in Gaussian noisy channels. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S591-S596.	1.4	46
65	Photon subtracted states and enhancement of nonlocality in the presence of noise. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S392-S397.	1.4	46
66	Enhancement of nonlocality in phase space. Physical Review A, 2004, 70, .	2.5	44
67	Optimal estimation of entanglement. Physical Review A, 2008, 78, .	2.5	44
68	Ultimate limits for quantum magnetometry via time-continuous measurements. New Journal of Physics, 2017, 19, 123011.	2.9	44
69	Quantum thermometry by single-qubit dephasing. European Physical Journal Plus, 2019, 134, 1.	2.6	42
70	Quantum characterization of bipartite Gaussian states. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A110.	2.1	41
71	Dicke coupling by feasible local measurements at the superradiant quantum phase transition. Physical Review E, 2016, 93, 052118.	2.1	41
72	Effect of noise and enhancement of nonlocality in on/off photodetection. Physical Review A, 2005, 72, .	2.5	39

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73	Improving the entanglement transfer from continuous-variable systems to localized qubits using non-Gaussian states. Physical Review A, 2007, 75, .	2.5	39
74	Achieving the Landau bound to precision of quantum thermometry in systems with vanishing gap. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 03LT02.	2.1	39
75	Continuous-variable quantum probes for structured environments. Physical Review A, 2018, 97, .	2.5	39
76	Squeezed Fock state by inconclusive photon subtraction. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S616-S621.	1.4	38
77	State reconstruction by on/off measurements. Physical Review A, 2009, 80, .	2.5	38
78	Squeezed vacuum as a universal quantum probe. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 934-939.	2.1	37
79	Precision of quantum tomographic detection of radiation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 195, 31-37.	2.1	36
80	Optical qubit by conditional interferometry. Physical Review A, 2000, 62, .	2.5	36
81	Optimal detection of losses by thermal probes. Physical Review A, 2011, 84, .	2.5	36
82	Ancilla-Assisted Calibration of a Measuring Apparatus. Physical Review Letters, 2012, 108, 253601.	7.8	36
83	Two-qubit quantum probes for the temperature of an Ohmic environment. Physical Review A, 2020, 101, .	2.5	36
84	Effective method to estimate multidimensional Gaussian states. Physical Review A, 2009, 79, .	2.5	34
85	The modern tools of quantum mechanics. European Physical Journal: Special Topics, 2012, 203, 61-86.	2.6	34
86	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
87	Drawbacks of the use of fidelity to assess quantum resources. Physical Review A, 2014, 89, .	2.5	34
88	Conditional measurements on multimode pairwise entangled states from spontaneous parametric downconversion. Europhysics Letters, 2010, 92, 20007.	2.0	33
89	Quantifying the source of enhancement in experimental continuous variable quantum illumination. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2045.	2.1	33
90	Quantum-state engineering assisted by entanglement. Physical Review A, 2003, 67, .	2.5	32

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91	Programmable entanglement oscillations in a non-Markovian channel. Physical Review A, 2011, 83, .	2.5	32
92	Characterization of qubit chains by Feynman probes. Physical Review A, 2016, 94, .	2.5	32
93	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
94	Collapse and revival of quantum coherence for a harmonic oscillator interacting with a classical fluctuating environment. Physical Review A, 2015, 91, .	2.5	31
95	Non-Markovian continuous-time quantum walks on lattices with dynamical noise. Physical Review A, 2016, 93, .	2.5	31
96	Nonlocality of two- and three-mode continuous variable systems. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, 174-182.	1.4	30
97	Multimode entanglement and telecloning in a noisy environment. Physical Review A, 2005, 72, .	2.5	30
98	Measuring the photon distribution with ON/OFF photodetectors. Laser Physics, 2006, 16, 385-392.	1.2	30
99	Quantum probes to experimentally assess correlations in a composite system. Physical Review A, 2013, 88, .	2.5	30
100	Non-Markovian dynamics of single- and two-qubit systems interacting with Gaussian and non-Gaussian fluctuating transverse environments. Journal of Chemical Physics, 2016, 144, 024113.	3.0	30
101	Robust generation of entanglement in Bose-Einstein condensates by collective atomic recoil. Physical Review A, 2004, 70, .	2.5	29
102	Characterization of bipartite states using a single homodyne detector. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S750-S753.	1.4	29
103	Nonlinearity as a resource for nonclassicality in anharmonic systems. Physical Review A, 2016, 93, .	2.5	29
104	Experimental quantum tomography of a homodyne detector. New Journal of Physics, 2017, 19, 053015.	2.9	29
105	Tomographic characterization of OPO sources close to threshold. Optics Express, 2005, 13, 948.	3.4	28
106	Intensity correlations, entanglement properties, and ghost imaging in multimode thermal-seeded parametric down-conversion: Theory. Physical Review A, 2007, 76, .	2.5	28
107	Fidelity Matters: The Birth of Entanglement in the Mixing of Gaussian States. Physical Review Letters, 2011, 107, 170505.	7.8	27
108	Assessing the significance of fidelity as a figure of merit in quantum state reconstruction of discrete and continuous-variable systems. Physical Review A, 2016, 93, .	2.5	27

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109	Quantum metrology beyond the quantum CramÃ©r-Rao theorem. Physical Review A, 2017, 95, .	2.5	27
110	Tight bound on finite-resolution quantum thermometry at low temperatures. Physical Review Research, 2020, 2, .	3.6	27
111	Transmittivity measurements by means of squeezed vacuum light. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1187-1198.	1.5	26
112	Effective dephasing for a qubit interacting with a transverse classical field. International Journal of Quantum Information, 2014, 12, 1461004.	1.1	26
113	Two-step procedure to discriminate discordant from classical correlated or factorized states. Physical Review A, 2014, 90, .	2.5	26
114	On the discontinuity of the quantum Fisher information for quantum statistical models with parameter dependent rank. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 02LT01.	2.1	26
115	Interferometry as a binary decision problem. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 225, 23-27.	2.1	25
116	Adaptive quantum homodyne tomography. Physical Review A, 1999, 60, 518-528.	2.5	25
117	Classical and quantum aspects of multimode parametric interactions. Laser Physics, 2006, 16, 1451-1477.	1.2	25
118	Quantum phase communication channels in the presence of static and dynamical phase diffusion. Physical Review A, 2015, 92, .	2.5	25
119	Quantum probing beyond pure dephasing. New Journal of Physics, 2020, 22, 083027.	2.9	25
120	Joint generation of identical squeezed states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 225, 28-32.	2.1	23
121	Tripartite entanglement transfer from flying modes to localized qubits. Physical Review A, 2009, 79, .	2.5	23
122	Enhancement of parameter estimation by Kerr interaction. Physical Review A, 2009, 80, .	2.5	23
123	Optimal estimation of entanglement in optical qubit systems. Physical Review A, 2011, 83, .	2.5	23
124	Quantum probes for fractional Gaussian processes. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 256-265.	2.6	23
125	Optimal quantum repeaters for qubits and qudits. Physical Review A, 2005, 71, .	2.5	22
126	Informationâ€“disturbance tradeoff in continuous-variable Gaussian systems. Physical Review A, 2006, 74, .	2.5	22

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127	Quantum estimation via the minimum Kullback entropy principle. Physical Review A, 2007, 76, .	2.5	22
128	Demonstration of a bright and compact source of tripartite nonclassical light. Physical Review A, 2008, 78, .	2.5	22
129	Phase estimation in the presence of phase diffusion: the qubit case. Physica Scripta, 2010, T140, 014062.	2.5	22
130	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
131	Quantum discord for Gaussian states with non-Gaussian measurements. Physical Review A, 2012, 86, .	2.5	22
132	Hybrid quantum key distribution using coherent states and photon-number-resolving detectors. Physical Review A, 2018, 98, .	2.5	22
133	Experimental investigation of the effect of classical noise on quantum non-Markovian dynamics. Physical Review A, 2019, 100, .	2.5	22
134	Binary optical communication in single-mode and entangled quantum noisy channels. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 69-80.	1.4	21
135	Single- and two-mode quantumness at a beam splitter. Physical Review A, 2015, 91, .	2.5	21
136	Noisy quantum walks of two indistinguishable interacting particles. Physical Review A, 2017, 95, .	2.5	21
137	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
138	Multiphoton communication in lossy channels with photon-number entangled states. Physical Review A, 2007, 75, .	2.5	20
139	Monitoring the quantum-classical transition in thermally seeded parametric down-conversion by intensity measurements. Physical Review A, 2009, 79, .	2.5	20
140	Quantum Probes for Ohmic Environments at Thermal Equilibrium. Entropy, 2019, 21, 486.	2.2	20
141	Improved discrimination of unitary transformations by entangled probes. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S273-S276.	1.4	19
142	Properties of entangled photon pairs generated by a CW laser with small coherence time: theory and experiment. Journal of Modern Optics, 2009, 56, 215-225.	1.3	19
143	Quantum state transfer via Bloch oscillations. Scientific Reports, 2016, 6, 26054.	3.3	19
144	Continuous-time quantum walks on spatially correlated noisy lattices. Physical Review A, 2017, 96, .	2.5	19

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145	Quantum spatial search on graphs subject to dynamical noise. Physical Review A, 2018, 98, .	2.5	19
146	Feedback-assisted homodyne detection of phase shifts. Physical Review A, 1996, 54, 4495-4504.	2.5	18
147	Finite-time quantum-to-classical transition for a SchrÃ¶dinger-cat state. Physical Review A, 2011, 84, .	2.5	18
148	Discording Power of Quantum Evolutions. Physical Review Letters, 2013, 110, 010501.	7.8	18
149	Continuous-time quantum walks on dynamical percolation graphs. Europhysics Letters, 2018, 124, 60001.	2.0	18
150	2 Quantum Tomographic Methods. Lecture Notes in Physics, 0, , 7-58.	0.7	17
151	Quantum backflow effect and nonclassicality. International Journal of Quantum Information, 2016, 14, 1650032.	1.1	17
152	Enhanced estimation of loss in the presence of Kerr nonlinearity. Physical Review A, 2016, 93, .	2.5	17
153	Squeezing-enhanced phase-shift-keyed binary communication in noisy channels. Physical Review A, 2018, 97, .	2.5	17
154	Universal Quantum Magnetometry with Spin States at Equilibrium. Physical Review Letters, 2018, 120, 260503.	7.8	17
155	Demonstration of a programmable source of two-photon multiqubit entangled states. Physical Review A, 2010, 81, .	2.5	16
156	Can quantum probes satisfy the weak equivalence principle?. Annals of Physics, 2017, 380, 213-223.	2.8	16
157	Probing the diamagnetic term in lightâ€“matter interaction. Quantum Science and Technology, 2017, 2, 01LT01.	5.8	16
158	Necessity of sine-cosine joint measurement. Physical Review A, 1993, 48, R4039-R4042.	2.5	15
159	Full quantum state reconstruction of symmetric two-mode squeezed thermal states via spectral homodyne detection and a state-balancing detector. Physical Review A, 2016, 93, .	2.5	15
160	Quantum-limited estimation of continuous spontaneous localization. Physical Review A, 2017, 95, .	2.5	15
161	On the Quantumness of Multiparameter Estimation Problems for Qubit Systems. Entropy, 2020, 22, 1197.	2.2	15
162	Optimized interferometry with Gaussian states. Optics and Spectroscopy (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.6	14

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163	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
164	Quantifying the nonlinearity of a quantum oscillator. Physical Review A, 2014, 90, .	2.5	14
165	Probing molecular spin clusters by local measurements. Physical Review B, 2016, 94, .	3.2	14
166	Lattice quantum magnetometry. Physical Review A, 2019, 99, .	2.5	14
167	Mechanical oscillator thermometry in the nonlinear optomechanical regime. Physical Review Research, 2020, 2, .	3.6	14
168	Nondivisibility versus backflow of information in understanding revivals of quantum correlations for continuous-variable systems interacting with fluctuating environments. Physical Review A, 2016, 93, .	2.5	13
169	Quantum metrology at level anticrossing. Physical Review A, 2018, 97, .	2.5	13
170	Quantum Probes for the Characterization of Nonlinear Media. Entropy, 2021, 23, 1353.	2.2	13
171	Optimal quantum estimation of the coupling between two bosonic modes. Journal of Optics B: Quantum and Semiclassical Optics, 2001, 3, 337-340.	1.4	12
172	Probing deformed quantum commutators. Physical Review D, 2016, 94, .	4.7	12
173	Effective description of the short-time dynamics in open quantum systems. Physical Review A, 2017, 96, .	2.5	12
174	Noisy propagation of Gaussian states in optical media with finite bandwidth. Scientific Reports, 2022, 12, .	3.3	12
175	De-Gaussification by inconclusive photon subtraction. Laser Physics, 2006, 16, 1533-1550.	1.2	11
176	Entanglement-induced invariance in bilinear interactions. Physical Review A, 2009, 80, .	2.5	11
177	Programmable purification of type-I polarization-entanglement. Applied Physics Letters, 2010, 97, 041108.	3.3	11
178	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
179	Phase noise in collective binary phase shift keying with Hadamard words. Optics Express, 2016, 24, 1693.	3.4	11
180	Quantum limits to mass sensing in a gravitational field. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 235301.	2.1	11

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181	Detection of squeezed light with glass-integrated technology embedded into a homodyne detector setup. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1596.	2.1	11
182	Quantum metrology out of equilibrium. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 825-833.	2.6	11
183	Generalized quantum-classical correspondence for random walks on graphs. Physical Review A, 2021, 104, .	2.5	11
184	Photonic realization of a quantum finite automaton. Physical Review Research, 2020, 2, .	3.6	11
185	Probing of nonlinear hybrid optomechanical systems via partial accessibility. Physical Review Research, 2022, 4, .	3.6	11
186	Degradation of continuous variable entanglement in a phase-sensitive environment. Journal of Modern Optics, 2004, 51, 1057-1061.	1.3	10
187	HOMODYNE CHARACTERIZATION OF CONTINUOUS VARIABLE BIPARTITE STATES. International Journal of Quantum Information, 2007, 05, 63-68.	1.1	10
188	Quantum binary channels with mixed states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 373, 61-64.	2.1	10
189	On the Discrimination Between Classical andÂQuantum States. Foundations of Physics, 2011, 41, 305-316.	1.3	10
190	About the use of fidelity in continuous variable systems. International Journal of Quantum Information, 2014, 12, 1461015.	1.1	10
191	High-order dispersion effects in two-photon interference. Physical Review A, 2016, 94, .	2.5	10
192	Probing the sign of the Hubbard interaction by two-particle quantum walks. Physical Review A, 2018, 97, .	2.5	10
193	Towards quantum sensing with molecular spins. Journal of Magnetism and Magnetic Materials, 2019, 491, 165534.	2.3	10
194	Quantum tomography of light states by photon-number-resolving detectors. New Journal of Physics, 2019, 21, 103045.	2.9	10
195	Quantum-classical dynamical distance and quantumness of quantum walks. Physical Review A, 2020, 102, .	2.5	10
196	Transport Efficiency of Continuous-Time Quantum Walks on Graphs. Entropy, 2021, 23, 85.	2.2	10
197	On the properties of the asymptotic incompatibility measure in multiparameter quantum estimation. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 485301.	2.1	10
198	Non-Gaussian states by conditional measurements. Physica Scripta, 2010, T140, 014007.	2.5	9

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199	OPTIMIZED QUBIT PHASE ESTIMATION IN NOISY QUANTUM CHANNELS. International Journal of Quantum Information, 2011, 09, 379-387.	1.1	9
200	Two quantum Simpsonâ€™s paradoxes. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 132001.	2.1	9
201	Canonical Naimark extension for generalized measurements involving sets of Pauli quantum observables chosen at random. Physical Review A, 2013, 87, .	2.5	9
202	GPU-accelerated algorithms for many-particle continuous-time quantum walks. Computer Physics Communications, 2017, 215, 235-245.	7.5	9
203	Qubit systems subject to unbalanced random telegraph noise: quantum correlations, non-Markovianity and teleportation. European Physical Journal D, 2018, 72, 1.	1.3	9
204	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
205	Noisy quantum phase communication channels. Physica Scripta, 2015, 90, 074027.	2.5	8
206	Generation of coherence via Gaussian measurements. Physical Review A, 2017, 96, .	2.5	8
207	Quantum state engineering by nondeterministic noiseless linear amplification. Physical Review A, 2019, 99, .	2.5	8
208	Scattering as a Quantum Metrology Problem: A Quantum Walk Approach. Entropy, 2020, 22, 1321.	2.2	8
209	Discrimination of Ohmic thermal baths by quantum dephasing probes. Physical Review A, 2021, 103, .	2.5	8
210	Canonical quantum phase variable. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1996, 111, 1151-1159.	0.2	7
211	Revealing interference by continuous variable discordant states. Optics Letters, 2013, 38, 3099.	3.3	7
212	Dynamical paths and universality in continuous-variable open systems. Physical Review A, 2013, 88, .	2.5	7
213	Estimation of general Hamiltonian parameters via controlled energy measurements. Physical Review A, 2018, 98, .	2.5	7
214	Homodyning the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml51" display="inline" overflow="scroll" altimg="si51.gif"><mml:msup><mml:mrow><mml:mi>g</mml:mi></mml:mrow><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mm of Gaussian states. Optics Communications, 2018, 426, 547-552.	2.1	7
215	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
216	Continuous-time quantum walks on planar lattices and the role of the magnetic field. Physical Review A, 2020, 101, .	2.5	7

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217	Steering nonclassicality of Gaussian states. Physical Review A, 2021, 103, .	2.5	7
218	Squeezing as a resource to counteract phase diffusion in optical phase estimation. Physical Review A, 2020, 102, .	2.5	7
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