

Matteo G A Paris

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

8,511
citations

46
h-index

81
g-index

277
ext. papers

9,868
ext. citations

2.8
avg, IF

6.66
L-index

#	Paper	IF	Citations
258	Quantum steering with Gaussian states: A tutorial. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022 , 430, 127954	2.3	1
257	Phase noise mitigation by a realistic optical parametric oscillator. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022 , 39, 1059	1.7	
256	Cost-effective estimation of single-mode thermal states by probabilistic quantum metrology. <i>Quantum Science and Technology</i> , 2022 , 7, 035011	5.5	0
255	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
254	Role of topology in determining the precision of a finite thermometer. <i>Physical Review E</i> , 2021 , 104, 014136	1.36	0
253	Improving Quantum Search on Simple Graphs by Pretty Good Structured Oracles. <i>Symmetry</i> , 2021 , 13, 96	2.7	3
252	Transport Efficiency of Continuous-Time Quantum Walks on Graphs. <i>Entropy</i> , 2021 , 23,	2.8	1
251	Steering nonclassicality of Gaussian states. <i>Physical Review A</i> , 2021 , 103,	2.6	4
250	An Enhanced Photonic Quantum Finite Automaton. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8768	2.6	1
249	Discrimination of Ohmic thermal baths by quantum dephasing probes. <i>Physical Review A</i> , 2021 , 103,	2.6	3
248	On the Quantumness of Multiparameter Estimation Problems for Qubit Systems. <i>Entropy</i> , 2020 , 22,	2.8	5
247	About the quantum Fisher information of nearly pure quantum statistical models. <i>International Journal of Quantum Information</i> , 2020 , 18, 1941022	0.8	
246	Two-qubit quantum probes for the temperature of an Ohmic environment. <i>Physical Review A</i> , 2020 , 101,	2.6	17
245	Continuous-time quantum walks on planar lattices and the role of the magnetic field. <i>Physical Review A</i> , 2020 , 101,	2.6	3
244	Critical Quantum Metrology with a Finite-Component Quantum Phase Transition. <i>Physical Review Letters</i> , 2020 , 124, 120504	7.4	26
243	Quantum-classical dynamical distance and quantumness of quantum walks. <i>Physical Review A</i> , 2020 , 102,	2.6	4
242	Squeezing Phase Diffusion. <i>Physical Review Letters</i> , 2020 , 124, 163601	7.4	2

241	Photonic realization of a quantum finite automaton. <i>Physical Review Research</i> , 2020 , 2,	3.9	5
240	Tight bound on finite-resolution quantum thermometry at low temperatures. <i>Physical Review Research</i> , 2020 , 2,	3.9	10
239	Mechanical oscillator thermometry in the nonlinear optomechanical regime. <i>Physical Review Research</i> , 2020 , 2,	3.9	2
238	Quantum enhanced metrology of Hamiltonian parameters beyond the Cram�r-Rao bound. <i>International Journal of Quantum Information</i> , 2020 , 18, 2030001	0.8	3
237	Quantum probing beyond pure dephasing. <i>New Journal of Physics</i> , 2020 , 22, 083027	2.9	9
236	Squeezing as a resource to counteract phase diffusion in optical phase estimation. <i>Physical Review A</i> , 2020 , 102,	2.6	1
235	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	12
234	Scattering as a Quantum Metrology Problem: A Quantum Walk Approach. <i>Entropy</i> , 2020 , 22,	2.8	1
233	Naimark extension for the single-photon canonical phase measurement. <i>Physical Review A</i> , 2019 , 100,	2.6	2
232	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	3
231	Quantum state engineering by nondeterministic noiseless linear amplification. <i>Physical Review A</i> , 2019 , 99,	2.6	5
230	Lattice quantum magnetometry. <i>Physical Review A</i> , 2019 , 99,	2.6	9
229	Quantum thermometry by single-qubit dephasing. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	24
228	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	
227	Process estimation in qubit systems: a quantum decision theory approach. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	3
226	Quantum Probes for Ohmic Environments at Thermal Equilibrium. <i>Entropy</i> , 2019 , 21,	2.8	11
225	Quantum metrology out of equilibrium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 525, 825-833	3.3	7
224	Towards quantum sensing with molecular spins. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 491, 165534	2.8	6

223	Quantum Sensing of Curvature. <i>International Journal of Theoretical Physics</i> , 2019 , 58, 2914-2935	1.1	1
222	Quantum tomography of light states by photon-number-resolving detectors. <i>New Journal of Physics</i> , 2019 , 21, 103045	2.9	4
221	Experimental investigation of the effect of classical noise on quantum non-Markovian dynamics. <i>Physical Review A</i> , 2019 , 100,	2.6	10
220	Quantum phase communication channels assisted by non-deterministic noiseless amplifiers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 2938	1.7	10
219	Squeezing-Enhanced Phase-Shift-Keyed Binary Communication in Noisy Channels. <i>Proceedings (mdpi)</i> , 2019 , 12, 58	0.3	0
218	Characterizing non-deterministic noiseless linear amplifiers at the quantum limit. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019 , 52, 495302	2	2
217	Non-Markovian evolution of a two-level system interacting with a fluctuating classical field via dipole interaction. <i>Optics Communications</i> , 2019 , 437, 377-381	2	6
216	Quantum metrology at level anticrossing. <i>Physical Review A</i> , 2018 , 97,	2.6	11
215	Continuous-variable quantum probes for structured environments. <i>Physical Review A</i> , 2018 , 97,	2.6	23
214	Quantum probes for the cutoff frequency of Ohmic environments. <i>Physical Review A</i> , 2018 , 97,	2.6	35
213	Probing the sign of the Hubbard interaction by two-particle quantum walks. <i>Physical Review A</i> , 2018 , 97,	2.6	7
212	Squeezing-enhanced phase-shift-keyed binary communication in noisy channels. <i>Physical Review A</i> , 2018 , 97,	2.6	10
211	Hybrid quantum key distribution using coherent states and photon-number-resolving detectors. <i>Physical Review A</i> , 2018 , 98,	2.6	10
210	Back and forth from Fock space to Hilbert space: a guide for commutators. <i>European Journal of Physics</i> , 2018 , 39, 065401	0.8	4
209	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	1.7	8
208	Quantum Simulation of Non-Markovian Qubit Dynamics by an All-Optical Setup 2018 , 37-46		
207	Non-Markovianity is not a resource for quantum spatial search on a star graph subject to generalized percolation. <i>Quantum Measurements and Quantum Metrology</i> , 2018 , 5, 40-49	1	4
206	Quantum spatial search on graphs subject to dynamical noise. <i>Physical Review A</i> , 2018 , 98,	2.6	14

205	Resource theory of quantum non-Gaussianity and Wigner negativity. <i>Physical Review A</i> , 2018 , 98,	2.6	104
204	Continuous-time quantum walks on dynamical percolation graphs. <i>Europhysics Letters</i> , 2018 , 124, 60001	1.6	10
203	Qubit systems subject to unbalanced random telegraph noise: quantum correlations, non-Markovianity and teleportation. <i>European Physical Journal D</i> , 2018 , 72, 1	1.3	5
202	Estimation of general Hamiltonian parameters via controlled energy measurements. <i>Physical Review A</i> , 2018 , 98,	2.6	3
201	Universal Quantum Magnetometry with Spin States at Equilibrium. <i>Physical Review Letters</i> , 2018 , 120, 260503	7.4	14
200	Homodyning the $g(2)(0)$ of Gaussian states. <i>Optics Communications</i> , 2018 , 426, 547-552	2	5
199	Noisy quantum walks of two indistinguishable interacting particles. <i>Physical Review A</i> , 2017 , 95,	2.6	19
198	All-optical quantum simulator of qubit noisy channels. <i>Applied Physics Letters</i> , 2017 , 110, 081107	3.4	41
197	Can quantum probes satisfy the weak equivalence principle?. <i>Annals of Physics</i> , 2017 , 380, 213-223	2.5	12
196	Quantum limits to mass sensing in a gravitational field. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 235301	2	10
195	Quantum-limited estimation of continuous spontaneous localization. <i>Physical Review A</i> , 2017 , 95,	2.6	14
194	GPU-accelerated algorithms for many-particle continuous-time quantum walks. <i>Computer Physics Communications</i> , 2017 , 215, 235-245	4.2	8
193	Quantum metrology beyond the quantum Cramér-Rao theorem. <i>Physical Review A</i> , 2017 , 95,	2.6	22
192	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	2.3	3
191	Continuous-time quantum walks on spatially correlated noisy lattices. <i>Physical Review A</i> , 2017 , 96,	2.6	12
190	Probing the diamagnetic term in light-matter interaction. <i>Quantum Science and Technology</i> , 2017 , 2, 01LT01	5.5	15
189	Quantum walks of two interacting particles on percolation graphs. <i>Journal of Physics: Conference Series</i> , 2017 , 906, 012017	0.3	2
188	Effective description of the short-time dynamics in open quantum systems. <i>Physical Review A</i> , 2017 , 96,	2.6	8

187	Generation of coherence via Gaussian measurements. <i>Physical Review A</i> , 2017 , 96,	2.6	6
186	Non-Markovianity by undersampling in quantum optical simulators. <i>International Journal of Quantum Information</i> , 2017 , 15, 1740009	0.8	3
185	An effective iterative method to build the Naimark extension of rank-n POVMs. <i>International Journal of Quantum Information</i> , 2017 , 15, 1750029	0.8	3
184	Ultimate limits for quantum magnetometry via time-continuous measurements. <i>New Journal of Physics</i> , 2017 , 19, 123011	2.9	27
183	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	1.7	1
182	Experimental quantum tomography of a homodyne detector. <i>New Journal of Physics</i> , 2017 , 19, 053015	2.9	14
181	Gaussian-state interferometry with passive and active elements. <i>Physical Review A</i> , 2016 , 93,	2.6	48
180	Nonlinearity as a resource for nonclassicality in anharmonic systems. <i>Physical Review A</i> , 2016 , 93,	2.6	19
179	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,	2.6	12
178	Non-Markovian continuous-time quantum walks on lattices with dynamical noise. <i>Physical Review A</i> , 2016 , 93,	2.6	28
177	Enhanced estimation of loss in the presence of Kerr nonlinearity. <i>Physical Review A</i> , 2016 , 93,	2.6	13
176	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,	2.6	18
175	Dicke coupling by feasible local measurements at the superradiant quantum phase transition. <i>Physical Review E</i> , 2016 , 93, 052118	2.4	29
174	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,	2.6	14
173	Probing deformed quantum commutators. <i>Physical Review D</i> , 2016 , 94,	4.9	10
172	Probing molecular spin clusters by local measurements. <i>Physical Review B</i> , 2016 , 94,	3.3	12
171	Quantum state transfer via Bloch oscillations. <i>Scientific Reports</i> , 2016 , 6, 26054	4.9	14
170	Characterization of qubit chains by Feynman probes. <i>Physical Review A</i> , 2016 , 94,	2.6	27

169	The Lindley paradox in optical interferometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 570-576	2.3	0
168	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	26
167	High-order dispersion effects in two-photon interference. <i>Physical Review A</i> , 2016 , 94,	2.6	7
166	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	3.9	25
165	Phase noise in collective binary phase shift keying with Hadamard words. <i>Optics Express</i> , 2016 , 24, 1693-8.3	3.3	10
164	Quantum backflow effect and nonclassicality. <i>International Journal of Quantum Information</i> , 2016 , 14, 1650032	0.8	12
163	Soft-Metric-Based Channel Decoding for Photon Counting Receivers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 62-68	3.8	4
162	Noisy quantum phase communication channels. <i>Physica Scripta</i> , 2015 , 90, 074027	2.6	6
161	Single- and two-mode quantumness at a beam splitter. <i>Physical Review A</i> , 2015 , 91,	2.6	16
160	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	1.7	34
159	Ab initio quantum-enhanced optical phase estimation using real-time feedback control. <i>Nature Photonics</i> , 2015 , 9, 577-581	33.9	74
158	Entangled quantum probes for dynamical environmental noise. <i>Physical Review A</i> , 2015 , 92,	2.6	36
157	Quantum phase communication channels in the presence of static and dynamical phase diffusion. <i>Physical Review A</i> , 2015 , 92,	2.6	17
156	Collapse and revival of quantum coherence for a harmonic oscillator interacting with a classical fluctuating environment. <i>Physical Review A</i> , 2015 , 91,	2.6	26
155	The data aggregation problem in quantum hypothesis testing. <i>European Physical Journal D</i> , 2015 , 69, 1	1.3	1
154	Two-step procedure to discriminate discordant from classical correlated or factorized states. <i>Physical Review A</i> , 2014 , 90,	2.6	20
153	Quantum probes for fractional Gaussian processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 413, 256-265	3.3	19
152	Characterization of classical Gaussian processes using quantum probes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 2495-2500	2.3	47

151	Quantum probes for the spectral properties of a classical environment. <i>Physical Review A</i> , 2014 , 89,	2.6	45
150	Quantifying the nonlinearity of a quantum oscillator. <i>Physical Review A</i> , 2014 , 90,	2.6	7
149	Non-Markovianity of colored noisy channels. <i>Physical Review A</i> , 2014 , 89,	2.6	49
148	Quantum limits to estimation of photon deformation. <i>International Journal of Quantum Information</i> , 2014 , 12, 1461009	0.8	
147	About the use of fidelity in continuous variable systems. <i>International Journal of Quantum Information</i> , 2014 , 12, 1461015	0.8	6
146	Probing qubit by qubit: Properties of the POVM and the information/disturbance tradeoff. <i>International Journal of Quantum Information</i> , 2014 , 12, 1461012	0.8	6
145	Detecting quantum non-Gaussianity of noisy Schrödinger cat states. <i>Physica Scripta</i> , 2014 , T160, 014035	2.6	4
144	Engineering decoherence for two-qubit systems interacting with a classical environment. <i>International Journal of Quantum Information</i> , 2014 , 12, 1560003	0.8	42
143	Effective dephasing for a qubit interacting with a transverse classical field. <i>International Journal of Quantum Information</i> , 2014 , 12, 1461004	0.8	24
142	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	1.7	25
141	Exact and approximate solutions for the quantum minimum-Kullback-entropy estimation problem. <i>Physical Review A</i> , 2014 , 89,	2.6	2
140	Quantum non-Gaussianity witnesses in phase space. <i>Physical Review A</i> , 2014 , 90,	2.6	41
139	Drawbacks of the use of fidelity to assess quantum resources. <i>Physical Review A</i> , 2014 , 89,	2.6	24
138	Quantum metrology in Lipkin-Meshkov-Glick critical systems. <i>Physical Review A</i> , 2014 , 90,	2.6	61
137	Discording power of quantum evolutions. <i>Physical Review Letters</i> , 2013 , 110, 010501	7.4	18
136	Dynamics of quantum correlations in colored-noise environments. <i>Physical Review A</i> , 2013 , 87,	2.6	78
135	Canonical Naimark extension for generalized measurements involving sets of Pauli quantum observables chosen at random. <i>Physical Review A</i> , 2013 , 87,	2.6	8
134	Quantum probes to experimentally assess correlations in a composite system. <i>Physical Review A</i> , 2013 , 88,	2.6	25

133	Detecting quantum non-Gaussianity via the Wigner function. <i>Physical Review A</i> , 2013 , 87,	2.6	51
132	Homodyne detection as a near-optimum receiver for phase-shift-keyed binary communication in the presence of phase diffusion. <i>Physical Review A</i> , 2013 , 87,	2.6	26
131	Optimal estimation of joint parameters in phase space. <i>Physical Review A</i> , 2013 , 87,	2.6	81
130	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	1.1	11
129	Revealing interference by continuous variable discordant states. <i>Optics Letters</i> , 2013 , 38, 3099-102	3	7
128	Experimental estimation of quantum discord for a polarization qubit and the use of fidelity to assess quantum correlations. <i>Physical Review A</i> , 2013 , 87,	2.6	31
127	Dynamical paths and universality in continuous-variable open systems. <i>Physical Review A</i> , 2013 , 88,	2.6	6
126	Quantum estimation of states and operations from incomplete data. <i>European Physical Journal: Special Topics</i> , 2012 , 203, 185-192	2.3	3
125	Quantum discord for Gaussian states with non-Gaussian measurements. <i>Physical Review A</i> , 2012 , 86,	2.6	20
124	Qubit-assisted thermometry of a quantum harmonic oscillator. <i>Physical Review A</i> , 2012 , 86,	2.6	54
123	The modern tools of quantum mechanics. <i>European Physical Journal: Special Topics</i> , 2012 , 203, 61-86	2.3	28
122	EFFECTS OF CLASSICAL ENVIRONMENTAL NOISE ON ENTANGLEMENT AND QUANTUM DISCORD DYNAMICS. <i>International Journal of Quantum Information</i> , 2012 , 10, 1241005	0.8	55
121	Quantum characterization of superconducting photon counters. <i>New Journal of Physics</i> , 2012 , 14, 085001.9	1.9	58
120	Innovative method to investigate how the spatial correlation of the pump beam affects the purity of polarization entangled states. <i>Optics Letters</i> , 2012 , 37, 3951-3	3	3
119	Homodyne estimation of Gaussian quantum discord. <i>Physical Review Letters</i> , 2012 , 109, 180402	7.4	56
118	Optical interferometry in the presence of large phase diffusion. <i>Physical Review A</i> , 2012 , 85,	2.6	49
117	Two quantum Simpson's paradoxes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 132001.2		9
116	Ancilla-assisted calibration of a measuring apparatus. <i>Physical Review Letters</i> , 2012 , 108, 253601	7.4	30

115	Nonclassicality criteria from phase-space representations and information-theoretical constraints are maximally inequivalent. <i>Physical Review Letters</i> , 2012 , 108, 260403	7.4	65
114	Geometry of perturbed Gaussian states and quantum estimation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 152001	2	5
113	On the Discrimination Between Classical and Quantum States. <i>Foundations of Physics</i> , 2011 , 41, 305-316	1.2	9
112	Fidelity matters: the birth of entanglement in the mixing of Gaussian states. <i>Physical Review Letters</i> , 2011 , 107, 170505	7.4	23
111	Quantifying non-Markovianity of continuous-variable Gaussian dynamical maps. <i>Physical Review A</i> , 2011 , 84,	2.6	84
110	Nonlocal compensation of pure phase objects with entangled photons. <i>Physical Review A</i> , 2011 , 84,	2.6	6
109	Experimental investigation of initial system-environment correlations via trace-distance evolution. <i>Physical Review A</i> , 2011 , 84,	2.6	72
108	Qubit thermometry for micromechanical resonators. <i>Physical Review A</i> , 2011 , 84,	2.6	70
107	Optimal detection of losses by thermal probes. <i>Physical Review A</i> , 2011 , 84,	2.6	29
106	Finite-time quantum-to-classical transition for a Schrödinger-cat state. <i>Physical Review A</i> , 2011 , 84,	2.6	18
105	Optimal estimation of entanglement in optical qubit systems. <i>Physical Review A</i> , 2011 , 83,	2.6	19
104	Balancing efficiencies by squeezing in realistic eight-port homodyne detection. <i>Physical Review A</i> , 2011 , 83,	2.6	6
103	Programmable entanglement oscillations in a non-Markovian channel. <i>Physical Review A</i> , 2011 , 83,	2.6	31
102	Optical phase estimation in the presence of phase diffusion. <i>Physical Review Letters</i> , 2011 , 106, 153603	7.4	131
101	OPTIMIZED QUBIT PHASE ESTIMATION IN NOISY QUANTUM CHANNELS. <i>International Journal of Quantum Information</i> , 2011 , 09, 379-387	0.8	7
100	ENTANGLEMENT TRANSFER IN A MULTIPARTITE CAVITY QED OPEN SYSTEM. <i>International Journal of Quantum Information</i> , 2011 , 09, 83-92	0.8	5
99	Tripartite quantum state mapping and discontinuous entanglement transfer in a cavity QED open system. <i>Physica Scripta</i> , 2010 , T140, 014015	2.6	4
98	Quantifying non-Gaussianity for quantum information. <i>Physical Review A</i> , 2010 , 82,	2.6	127

97	Demonstration of a programmable source of two-photon multiqubit entangled states. <i>Physical Review A</i> , 2010 , 81,	2.6	14
96	Non-Gaussian states produced by close-to-threshold optical parametric oscillators: Role of classical and quantum fluctuations. <i>Physical Review A</i> , 2010 , 81,	2.6	22
95	Experimental estimation of one-parameter qubit gates in the presence of phase diffusion. <i>Physical Review A</i> , 2010 , 81,	2.6	53
94	Experimental estimation of entanglement at the quantum limit. <i>Physical Review Letters</i> , 2010 , 104, 100501,	2.4	45
93	Programmable purification of type-I polarization-entanglement. <i>Applied Physics Letters</i> , 2010 , 97, 041108,	1.4	9
92	Conditional measurements on multimode pairwise entangled states from spontaneous parametric downconversion. <i>Europhysics Letters</i> , 2010 , 92, 20007	1.6	28
91	The discrimination problem for two ground states or two thermal states of the quantum Ising model. <i>Journal of Modern Optics</i> , 2010 , 57, 198-206	1.1	14
90	Non-Gaussianity of quantum states: An experimental test on single-photon-added coherent states. <i>Physical Review A</i> , 2010 , 82,	2.6	68
89	Quantum characterization of bipartite Gaussian states. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, A110	1.7	35
88	Gaussian quantum discord. <i>Physical Review Letters</i> , 2010 , 105, 020503	7.4	375
87	Nonclassical correlations in non-Markovian continuous-variable systems. <i>Physical Review A</i> , 2010 , 82,	2.6	80
86	Non-Gaussian states by conditional measurements. <i>Physica Scripta</i> , 2010 , T140, 014007	2.6	6
85	Phase estimation in the presence of phase diffusion: the qubit case. <i>Physica Scripta</i> , 2010 , T140, 014062	2.6	14
84	Quantum communication with photon-number entangled states and realistic photodetection. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 1342-1345	2.3	7
83	Entanglement-induced invariance in bilinear interactions. <i>Physical Review A</i> , 2009 , 80,	2.6	10
82	State reconstruction by on/off measurements. <i>Physical Review A</i> , 2009 , 80,	2.6	34
81	Monitoring the quantum-classical transition in thermally seeded parametric down-conversion by intensity measurements. <i>Physical Review A</i> , 2009 , 79,	2.6	18
80	Continuous-variable-entanglement dynamics in structured reservoirs. <i>Physical Review A</i> , 2009 , 80,	2.6	57

79	Effective method to estimate multidimensional Gaussian states. <i>Physical Review A</i> , 2009 , 79,	2.6	32
78	Full characterization of Gaussian bipartite entangled states by a single homodyne detector. <i>Physical Review Letters</i> , 2009 , 102, 020502	7.4	89
77	Tripartite entanglement transfer from flying modes to localized qubits. <i>Physical Review A</i> , 2009 , 79,	2.6	21
76	Enhancement of parameter estimation by Kerr interaction. <i>Physical Review A</i> , 2009 , 80,	2.6	21
75	QUANTUM ESTIMATION FOR QUANTUM TECHNOLOGY. <i>International Journal of Quantum Information</i> , 2009 , 07, 125-137	0.8	713
74	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	1.1	18
73	Bayesian estimation of one-parameter qubit gates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 035502	1.3	28
72	NON-GAUSSIANITY AND PURITY IN FINITE DIMENSION. <i>International Journal of Quantum Information</i> , 2009 , 07, 97-103	0.8	2
71	Squeezed vacuum as a universal quantum probe. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 934-939	2.3	28
70	Bayesian estimation in homodyne interferometry. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 055506	1.3	46
69	Quantifying the non-Gaussian character of a quantum state by quantum relative entropy. <i>Physical Review A</i> , 2008 , 78,	2.6	134
68	Optimal quantum estimation in spin systems at criticality. <i>Physical Review A</i> , 2008 , 78,	2.6	70
67	Demonstration of a bright and compact source of tripartite nonclassical light. <i>Physical Review A</i> , 2008 , 78,	2.6	22
66	Quantum criticality as a resource for quantum estimation. <i>Physical Review A</i> , 2008 , 78,	2.6	131
65	Optimal estimation of entanglement. <i>Physical Review A</i> , 2008 , 78,	2.6	37
64	Quantum binary channels with mixed states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 373, 61-64	2.3	10
63	Optimal quantum estimation of loss in bosonic channels. <i>Physical Review Letters</i> , 2007 , 98, 160401	7.4	121
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