Matteo G A Paris

List of Publications by Citations

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 ESTIMATION FOR QUANTUM TECHNOLOGY. *International Journal of Quantum Information*, **2009**, 07, 125-137	0.8	713
257	Gaussian quantum discord. *Physical Review Letters*, **2010**, 105, 020503	7.4	375
256	Maximum-likelihood estimation of the density matrix. *Physical Review A*, **1999**, 61,	2.6	211
255	Teleportation improvement by inconclusive photon subtraction. *Physical Review A*, **2003**, 67,	2.6	191
254	Detection of the density matrix through optical homodyne tomography without filtered back projection. *Physical Review A*, **1994**, 50, 4298-4302	2.6	182
253	Using entanglement improves the precision of quantum measurements. *Physical Review Letters*, **2001**, 87, 270404	7.4	180
252	Quantifying the non-Gaussian character of a quantum state by quantum relative entropy. *Physical Review A*, **2008**, 78,	2.6	134
251	Optical phase estimation in the presence of phase diffusion. *Physical Review Letters*, **2011**, 106, 153603	7.4	131
250	Quantum criticality as a resource for quantum estimation. *Physical Review A*, **2008**, 78,	2.6	131
249	Quantifying non-Gaussianity for quantum information. *Physical Review A*, **2010**, 82,	2.6	127
248	Quantum Tomography. *Advances in Imaging and Electron Physics*, **2003**, 128, 205-308	0.2	127
247	Optimal quantum estimation of loss in bosonic channels. *Physical Review Letters*, **2007**, 98, 160401	7.4	121
246	Three-mode entanglement by interlinked nonlinear interactions in optical $\chi^{(2)}$ media. *Journal of the Optical Society of America B: Optical Physics*, **2004**, 21, 1241	1.7	120
245	Experimental reconstruction of photon statistics without photon counting. *Physical Review Letters*, **2005**, 95, 063602	7.4	117
244	Sub-shot-noise photon-number correlation in a mesoscopic twin beam of light. *Physical Review A*, **2007**, 76,	2.6	112
243	Quantifying decoherence in continuous variable systems. *Journal of Optics B: Quantum and Semiclassical Optics*, **2005**, 7, R19-R36		105
242	Measure of the non-Gaussian character of a quantum state. *Physical Review A*, **2007**, 76,	2.6	104

241	Resource theory of quantum non-Gaussianity and Wigner negativity. *Physical Review A*, **2018**, 98,	2.6	104
240	Entanglement oscillations in non-Markovian quantum channels. *Physical Review A*, **2007**, 75,	2.6	102
239	Entanglement and purity of two-mode Gaussian states in noisy channels. *Physical Review A*, **2004**, 69,	2.6	101
238	Purity of Gaussian states: Measurement schemes and time evolution in noisy channels. *Physical Review A*, **2003**, 68,	2.6	92
237	Remote state preparation and teleportation in phase space. *Journal of Optics B: Quantum and Semiclassical Optics*, **2003**, 5, S360-S364		90
236	Full characterization of Gaussian bipartite entangled states by a single homodyne detector. *Physical Review Letters*, **2009**, 102, 020502	7.4	89
235	Quantifying non-Markovianity of continuous-variable Gaussian dynamical maps. *Physical Review A*, **2011**, 84,	2.6	84
234	Optimal estimation of joint parameters in phase space. *Physical Review A*, **2013**, 87,	2.6	81
233	Nonclassical correlations in non-Markovian continuous-variable systems. *Physical Review A*, **2010**, 82,	2.6	80
232	Dynamics of quantum correlations in colored-noise environments. *Physical Review A*, **2013**, 87,	2.6	78
231	Ab initio quantum-enhanced optical phase estimation using real-time feedback control. *Nature Photonics*, **2015**, 9, 577-581	33.9	74
230	Experimental investigation of initial system-environment correlations via trace-distance evolution. *Physical Review A*, **2011**, 84,	2.6	72
229	Qubit thermometry for micromechanical resonators. *Physical Review A*, **2011**, 84,	2.6	70
228	Optimal quantum estimation in spin systems at criticality. *Physical Review A*, **2008**, 78,	2.6	70
227	Non-Gaussianity of quantum states: An experimental test on single-photon-added coherent states. *Physical Review A*, **2010**, 82,	2.6	68
226	Entanglement and visibility at the output of a Mach-Zehnder interferometer. *Physical Review A*, **1999**, 59, 1615-1621	2.6	66
225	Nonclassicality criteria from phase-space representations and information-theoretical constraints are maximally inequivalent. *Physical Review Letters*, **2012**, 108, 260403	7.4	65
224	Quantum metrology in Lipkin-Meshkov-Glick critical systems. *Physical Review A*, **2014**, 90,	2.6	61

223	Quantum characterization of superconducting photon counters. *New Journal of Physics*, **2012**, 14, 085001	1.9	58
222	Continuous-variable-entanglement dynamics in structured reservoirs. *Physical Review A*, **2009**, 80,	2.6	57
221	Homodyne estimation of Gaussian quantum discord. *Physical Review Letters*, **2012**, 109, 180402	7.4	56
220	EFFECTS OF CLASSICAL ENVIRONMENTAL NOISE ON ENTANGLEMENT AND QUANTUM DISCORD DYNAMICS. *International Journal of Quantum Information*, **2012**, 10, 1241005	0.8	55
219	Qubit-assisted thermometry of a quantum harmonic oscillator. *Physical Review A*, **2012**, 86,	2.6	54
218	Experimental estimation of one-parameter qubit gates in the presence of phase diffusion. *Physical Review A*, **2010**, 81,	2.6	53
217	Detecting quantum non-Gaussianity via the Wigner function. *Physical Review A*, **2013**, 87,	2.6	51
216	Non-Markovianity of colored noisy channels. *Physical Review A*, **2014**, 89,	2.6	49
215	Optical interferometry in the presence of large phase diffusion. *Physical Review A*, **2012**, 85,	2.6	49
214	Gaussian-state interferometry with passive and active elements. *Physical Review A*, **2016**, 93,	2.6	48
213	Characterization of classical Gaussian processes using quantum probes. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 2495-2500	2.3	47
212	Bayesian estimation in homodyne interferometry. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2009**, 42, 055506	1.3	46
211	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		46
210	Quantum probes for the spectral properties of a classical environment. *Physical Review A*, **2014**, 89,	2.6	45
209	Experimental estimation of entanglement at the quantum limit. *Physical Review Letters*, **2010**, 104, 100501	7.4	45
208	Lower bounds on phase sensitivity in ideal and feasible measurements. *Physical Review A*, **1994**, 49, 3022-3036	2.6	45
207	Small amount of squeezing in high-sensitive realistic interferometry. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1995**, 201, 132-138	2.3	45
206	Photon subtracted states and enhancement of nonlocality in the presence of noise. *Journal of Optics B: Quantum and Semiclassical Optics*, **2005**, 7, S392-S397		44

205	Photon statistics without counting photons. *Physical Review A*, **2004**, 70,	2.6	44
204	Engineering decoherence for two-qubit systems interacting with a classical environment. *International Journal of Quantum Information*, **2014**, 12, 1560003	0.8	42
203	Enhancement of nonlocality in phase space. *Physical Review A*, **2004**, 70,	2.6	42
202	Quorum of observables for universal quantum estimation. *Journal of Physics A*, **2001**, 34, 93-103		42
201	All-optical quantum simulator of qubit noisy channels. *Applied Physics Letters*, **2017**, 110, 081107	3.4	41
200	Quantum non-Gaussianity witnesses in phase space. *Physical Review A*, **2014**, 90,	2.6	41
199	Optimized teleportation in Gaussian noisy channels. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 319, 32-43	2.3	40
198	Minimum decoherence cat-like states in Gaussian noisy channels. *Journal of Optics B: Quantum and Semiclassical Optics*, **2004**, 6, S591-S596		38
197	Optimal estimation of entanglement. *Physical Review A*, **2008**, 78,	2.6	37
196	Entangled quantum probes for dynamical environmental noise. *Physical Review A*, **2015**, 92,	2.6	36
195	Improving the entanglement transfer from continuous-variable systems to localized qubits using non-Gaussian states. *Physical Review A*, **2007**, 75,	2.6	36
194	Squeezed Fock state by inconclusive photon subtraction. *Journal of Optics B: Quantum and Semiclassical Optics*, **2005**, 7, S616-S621		36
193	Precision of quantum tomographic detection of radiation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1994**, 195, 31-37	2.3	36
192	Quantum probes for the cutoff frequency of Ohmic environments. *Physical Review A*, **2018**, 97,	2.6	35
191	Quantum characterization of bipartite Gaussian states. *Journal of the Optical Society of America B: Optical Physics*, **2010**, 27, A110	1.7	35
190	Effect of noise and enhancement of nonlocality in on/off photodetection. *Physical Review A*, **2005**, 72,	2.6	35
189	Optical qubit by conditional interferometry. *Physical Review A*, **2000**, 62,	2.6	35
188	Bounds to precision for quantum interferometry with Gaussian states and operations. *Journal of the Optical Society of America B: Optical Physics*, **2015**, 32, 1354	1.7	34

187	State reconstruction by on/off measurements. *Physical Review A*, **2009**, 80,	2.6	34
186	Effective method to estimate multidimensional Gaussian states. *Physical Review A*, **2009**, 79,	2.6	32
185	Experimental estimation of quantum discord for a polarization qubit and the use of fidelity to assess quantum correlations. *Physical Review A*, **2013**, 87,	2.6	31
184	Programmable entanglement oscillations in a non-Markovian channel. *Physical Review A*, **2011**, 83,	2.6	31
183	Ancilla-assisted calibration of a measuring apparatus. *Physical Review Letters*, **2012**, 108, 253601	7.4	30
182	Quantum-state engineering assisted by entanglement. *Physical Review A*, **2003**, 67,	2.6	30
181	Dicke coupling by feasible local measurements at the superradiant quantum phase transition. *Physical Review E*, **2016**, 93, 052118	2.4	29
180	Optimal detection of losses by thermal probes. *Physical Review A*, **2011**, 84,	2.6	29
179	Non-Markovian continuous-time quantum walks on lattices with dynamical noise. *Physical Review A*, **2016**, 93,	2.6	28
178	The modern tools of quantum mechanics. *European Physical Journal: Special Topics*, **2012**, 203, 61-86	2.3	28
177	Conditional measurements on multimode pairwise entangled states from spontaneous parametric downconversion. *Europhysics Letters*, **2010**, 92, 20007	1.6	28
176	Bayesian estimation of one-parameter qubit gates. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2009**, 42, 035502	1.3	28
175	Squeezed vacuum as a universal quantum probe. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 934-939	2.3	28
174	Characterization of qubit chains by Feynman probes. *Physical Review A*, **2016**, 94,	2.6	27
173	Ultimate limits for quantum magnetometry via time-continuous measurements. *New Journal of Physics*, **2017**, 19, 123011	2.9	27
172	Intensity correlations, entanglement properties, and ghost imaging in multimode thermal-seeded parametric down-conversion: Theory. *Physical Review A*, **2007**, 76,	2.6	27
171	Critical Quantum Metrology with a Finite-Component Quantum Phase Transition. *Physical Review Letters*, **2020**, 124, 120504	7.4	26
170	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	26

169	Collapse and revival of quantum coherence for a harmonic oscillator interacting with a classical fluctuating environment. *Physical Review A*, **2015**, 91,	2.6	26
168	Homodyne detection as a near-optimum receiver for phase-shift-keyed binary communication in the presence of phase diffusion. *Physical Review A*, **2013**, 87,	2.6	26
167	Robust generation of entanglement in Bose-Einstein condensates by collective atomic recoil. *Physical Review A*, **2004**, 70,	2.6	26
166	Quantum probes to experimentally assess correlations in a composite system. *Physical Review A*, **2013**, 88,	2.6	25
165	Quantifying the source of enhancement in experimental continuous variable quantum illumination. *Journal of the Optical Society of America B: Optical Physics*, **2014**, 31, 2045	1.7	25
164	Interferometry as a binary decision problem. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1997**, 225, 23-27	2.3	25
163	Tomographic characterization of OPO sources close to threshold. *Optics Express*, **2005**, 13, 948-56	3.3	25
162	Nonlocality of two- and three-mode continuous variable systems. *Journal of Optics B: Quantum and Semiclassical Optics*, **2005**, 7, 174-182		25
161	Multimode entanglement and telecloning in a noisy environment. *Physical Review A*, **2005**, 72,	2.6	25
160	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	3.9	25
159	Quantum thermometry by single-qubit dephasing. *European Physical Journal Plus*, **2019**, 134, 1	3.1	24
158	Effective dephasing for a qubit interacting with a transverse classical field. *International Journal of Quantum Information*, **2014**, 12, 1461004	0.8	24
157	Drawbacks of the use of fidelity to assess quantum resources. *Physical Review A*, **2014**, 89,	2.6	24
156	Continuous-variable quantum probes for structured environments. *Physical Review A*, **2018**, 97,	2.6	23
155	Fidelity matters: the birth of entanglement in the mixing of Gaussian states. *Physical Review Letters* , **2011**, 107, 170505	7.4	23
154	Measuring the photon distribution with ON/OFF photodetectors. *Laser Physics*, **2006**, 16, 385-392	1.2	23
153	Classical and quantum aspects of multimode parametric interactions. *Laser Physics*, **2006**, 16, 1451-1477	1.2	23
152	Characterization of bipartite states using a single homodyne detector. *Journal of Optics B: Quantum and Semiclassical Optics*, **2005**, 7, S750-S753		23

151	Quantum metrology beyond the quantum Cramér-Rao theorem. *Physical Review A*, **2017**, 95,	2.6	22
150	Non-Gaussian states produced by close-to-threshold optical parametric oscillators: Role of classical and quantum fluctuations. *Physical Review A*, **2010**, 81,	2.6	22
149	Joint generation of identical squeezed states. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1997**, 225, 28-32	2.3	22
148	Demonstration of a bright and compact source of tripartite nonclassical light. *Physical Review A*, **2008**, 78,	2.6	22
147	Transmittivity measurements by means of squeezed vacuum light. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2006**, 39, 1187-1198	1.3	22
146	Tripartite entanglement transfer from flying modes to localized qubits. *Physical Review A*, **2009**, 79,	2.6	21
145	Enhancement of parameter estimation by Kerr interaction. *Physical Review A*, **2009**, 80,	2.6	21
144	Adaptive quantum homodyne tomography. *Physical Review A*, **1999**, 60, 518-528	2.6	21
143	Two-step procedure to discriminate discordant from classical correlated or factorized states. *Physical Review A*, **2014**, 90,	2.6	20
142	Quantum discord for Gaussian states with non-Gaussian measurements. *Physical Review A*, **2012**, 86,	2.6	20
141	Quantum estimation via the minimum Kullback entropy principle. *Physical Review A*, **2007**, 76,	2.6	20
140	Multiphoton communication in lossy channels with photon-number entangled states. *Physical Review A*, **2007**, 75,	2.6	20
139	Noisy quantum walks of two indistinguishable interacting particles. *Physical Review A*, **2017**, 95,	2.6	19
138	Nonlinearity as a resource for nonclassicality in anharmonic systems. *Physical Review A*, **2016**, 93,	2.6	19
137	Quantum probes for fractional Gaussian processes. *Physica A: Statistical Mechanics and Its Applications*, **2014**, 413, 256-265	3.3	19
136	Optimal estimation of entanglement in optical qubit systems. *Physical Review A*, **2011**, 83,	2.6	19
135	Optimal quantum repeaters for qubits and qudits. *Physical Review A*, **2005**, 71,	2.6	19
134	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,	2.6	18

133	Discording power of quantum evolutions. *Physical Review Letters*, **2013**, 110, 010501	7.4	18
132	Monitoring the quantum-classical transition in thermally seeded parametric down-conversion by intensity measurements. *Physical Review A*, **2009**, 79,	2.6	18
131	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	1.1	18
130	Finite-time quantum-to-classical transition for a Schrödinger-cat state. *Physical Review A*, **2011**, 84,	2.6	18
129	Information–disturbance tradeoff in continuous-variable Gaussian systems. *Physical Review A*, **2006**, 74,	2.6	18
128	Two-qubit quantum probes for the temperature of an Ohmic environment. *Physical Review A*, **2020**, 101,	2.6	17
127	Quantum phase communication channels in the presence of static and dynamical phase diffusion. *Physical Review A*, **2015**, 92,	2.6	17
126	Single- and two-mode quantumness at a beam splitter. *Physical Review A*, **2015**, 91,	2.6	16
125	Binary optical communication in single-mode and entangled quantum noisy channels. *Journal of Optics B: Quantum and Semiclassical Optics*, **2004**, 6, 69-80		16
124	Improved discrimination of unitary transformations by entangled probes. *Journal of Optics B: Quantum and Semiclassical Optics*, **2002**, 4, S273-S276		16
123	Feedback-assisted homodyne detection of phase shifts. *Physical Review A*, **1996**, 54, 4495-4504	2.6	16
122	Probing the diamagnetic term in light–matter interaction. *Quantum Science and Technology*, **2017**, 2, 01LT01	5.5	15
121	Quantum-limited estimation of continuous spontaneous localization. *Physical Review A*, **2017**, 95,	2.6	14
120	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,	2.6	14
119	Quantum state transfer via Bloch oscillations. *Scientific Reports*, **2016**, 6, 26054	4.9	14
118	Demonstration of a programmable source of two-photon multiqubit entangled states. *Physical Review A*, **2010**, 81,	2.6	14
117	The discrimination problem for two ground states or two thermal states of the quantum Ising model. *Journal of Modern Optics*, **2010**, 57, 198-206	1.1	14
116	Phase estimation in the presence of phase diffusion: the qubit case. *Physica Scripta*, **2010**, T140, 014062	2.6	14

115	Necessity of sine-cosine joint measurement. *Physical Review A*, **1993**, 48, 4039-4042	2.6	14
114	Experimental quantum tomography of a homodyne detector. *New Journal of Physics*, **2017**, 19, 053015	2.9	14
113	Quantum spatial search on graphs subject to dynamical noise. *Physical Review A*, **2018**, 98,	2.6	14
112	Universal Quantum Magnetometry with Spin States at Equilibrium. *Physical Review Letters*, **2018**, 120, 260503	7.4	14
111	Enhanced estimation of loss in the presence of Kerr nonlinearity. *Physical Review A*, **2016**, 93,	2.6	13
110	Optimized interferometry with Gaussian states. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2007**, 103, 231-236	0.7	13
109	Can quantum probes satisfy the weak equivalence principle?. *Annals of Physics*, **2017**, 380, 213-223	2.5	12
108	Continuous-time quantum walks on spatially correlated noisy lattices. *Physical Review A*, **2017**, 96,	2.6	12
107	Nondivisibility versus backflow of information in understanding revivals of quantum correlations for continuous-variable systems interacting with fluctuating environments. *Physical Review A*, **2016**, 93,	2.6	12
106	Probing molecular spin clusters by local measurements. *Physical Review B*, **2016**, 94,	3.3	12
105	Optimal quantum estimation of the coupling between two bosonic modes. *Journal of Optics B: Quantum and Semiclassical Optics*, **2001**, 3, 337-340		12
104	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	12
103	Quantum backflow effect and nonclassicality. *International Journal of Quantum Information*, **2016**, 14, 1650032	0.8	12
102	Quantum Probes for Ohmic Environments at Thermal Equilibrium. *Entropy*, **2019**, 21,	2.8	11
101	Quantum metrology at level anticrossing. *Physical Review A*, **2018**, 97,	2.6	11
100	THE BALANCE OF QUANTUM CORRELATIONS FOR A CLASS OF FEASIBLE TRIPARTITE CONTINUOUS VARIABLE STATES. *International Journal of Modern Physics B*, **2013**, 27, 1345024	1.1	11
99	De-Gaussification by inconclusive photon subtraction. *Laser Physics*, **2006**, 16, 1533-1550	1.2	11
98	Quantum limits to mass sensing in a gravitational field. *Journal of Physics A: Mathematical and Theoretical*, **2017**, 50, 235301	2	10

97	Squeezing-enhanced phase-shift-keyed binary communication in noisy channels. *Physical Review A*, **2018**, 97,	2.6	10
96	Probing deformed quantum commutators. *Physical Review D*, **2016**, 94,	4.9	10
95	Hybrid quantum key distribution using coherent states and photon-number-resolving detectors. *Physical Review A*, **2018**, 98,	2.6	10
94	Experimental investigation of the effect of classical noise on quantum non-Markovian dynamics. *Physical Review A*, **2019**, 100,	2.6	10
93	Entanglement-induced invariance in bilinear interactions. *Physical Review A*, **2009**, 80,	2.6	10
92	Quantum binary channels with mixed states. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 373, 61-64	2.3	10
91	2 Quantum Tomographic Methods. *Lecture Notes in Physics*, **2004**, 7-58	0.8	10
90	Tight bound on finite-resolution quantum thermometry at low temperatures. *Physical Review Research*, **2020**, 2,	3.9	10
89	Quantum phase communication channels assisted by non-deterministic noiseless amplifiers. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, 2938	1.7	10
88	Phase noise in collective binary phase shift keying with Hadamard words. *Optics Express*, **2016**, 24, 1693-8	3.3	10
87	Continuous-time quantum walks on dynamical percolation graphs. *Europhysics Letters*, **2018**, 124, 60001	1.6	10
86	Lattice quantum magnetometry. *Physical Review A*, **2019**, 99,	2.6	9
85	On the Discrimination Between Classical and Quantum States. *Foundations of Physics*, **2011**, 41, 305-316	1.2	9
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82	Quantum probing beyond pure dephasing. *New Journal of Physics*, **2020**, 22, 083027	2.9	9
81	GPU-accelerated algorithms for many-particle continuous-time quantum walks. *Computer Physics Communications*, **2017**, 215, 235-245	4.2	8
80	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	1.7	8

79	Canonical Naimark extension for generalized measurements involving sets of Pauli quantum observables chosen at random. *Physical Review A*, **2013**, 87,	2.6	8
78	Effective description of the short-time dynamics in open quantum systems. *Physical Review A*, **2017**, 96,	2.6	8
77	HOMODYNE CHARACTERIZATION OF CONTINUOUS VARIABLE BIPARTITE STATES. *International Journal of Quantum Information*, **2007**, 05, 63-68	0.8	8
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75	Quantum metrology out of equilibrium. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 525, 825-833	3.3	7
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73	Quantifying the nonlinearity of a quantum oscillator. *Physical Review A*, **2014**, 90,	2.6	7
72	Revealing interference by continuous variable discordant states. *Optics Letters*, **2013**, 38, 3099-102	3	7
71	OPTIMIZED QUBIT PHASE ESTIMATION IN NOISY QUANTUM CHANNELS. *International Journal of Quantum Information*, **2011**, 09, 379-387	0.8	7
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69	Canonical quantum phase variable. *Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods*, **1996**, 111, 1151-1159		7
68	High-order dispersion effects in two-photon interference. *Physical Review A*, **2016**, 94,	2.6	7
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66	Towards quantum sensing with molecular spins. *Journal of Magnetism and Magnetic Materials*, **2019**, 491, 165534	2.8	6
65	Generation of coherence via Gaussian measurements. *Physical Review A*, **2017**, 96,	2.6	6
64	About the use of fidelity in continuous variable systems. *International Journal of Quantum Information*, **2014**, 12, 1461015	0.8	6
63	Probing qubit by qubit: Properties of the POVM and the information/disturbance tradeoff. *International Journal of Quantum Information*, **2014**, 12, 1461012	0.8	6
62	Dynamical paths and universality in continuous-variable open systems. *Physical Review A*, **2013**, 88,	2.6	6

61	Nonlocal compensation of pure phase objects with entangled photons. *Physical Review A*, **2011**, 84,	2.6	6
60	Balancing efficiencies by squeezing in realistic eight-port homodyne detection. *Physical Review A*, **2011**, 83,	2.6	6
59	Non-Gaussian states by conditional measurements. *Physica Scripta*, **2010**, T140, 014007	2.6	6
58	Generalized measurement of the non-normal two-boson operator. *Journal of Physics A: Mathematical and Theoretical*, **2007**, 40, F531-F537	2	6
57	Non-Markovian evolution of a two-level system interacting with a fluctuating classical field via dipole interaction. *Optics Communications*, **2019**, 437, 377-381	2	6
56	Quantum state engineering by nondeterministic noiseless linear amplification. *Physical Review A*, **2019**, 99,	2.6	5
55	On the Quantumness of Multiparameter Estimation Problems for Qubit Systems. *Entropy*, **2020**, 22,	2.8	5
54	Geometry of perturbed Gaussian states and quantum estimation. *Journal of Physics A: Mathematical and Theoretical*, **2011**, 44, 152001	2	5
53	ENTANGLEMENT TRANSFER IN A MULTIPARTITE CAVITY QED OPEN SYSTEM. *International Journal of Quantum Information*, **2011**, 09, 83-92	0.8	5
52	UNITARY LOCAL INVARIANCE. *International Journal of Quantum Information*, **2005**, 03, 655-659	0.8	5
51	Sampling canonical phase distribution. *Physical Review A*, **1999**, 60, 5136-5139	2.6	5
50	Photonic realization of a quantum finite automaton. *Physical Review Research*, **2020**, 2,	3.9	5
49	Qubit systems subject to unbalanced random telegraph noise: quantum correlations, non-Markovianity and teleportation. *European Physical Journal D*, **2018**, 72, 1	1.3	5
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45	Back and forth from Fock space to Hilbert space: a guide for commuters. *European Journal of Physics*, **2018**, 39, 065401	0.8	4
44	Quantum tomography of light states by photon-number-resolving detectors. *New Journal of Physics* , **2019**, 21, 103045	2.9	4

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