

# Matteo G A Paris

## List of Publications by Year in descending order

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276  
papers

10,837  
citations

31902

53  
h-index

43802

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.	0.6	983
2	Gaussian Quantum Discord. Physical Review Letters, 2010, 105, 020503.	2.9	434
3	Maximum-likelihood estimation of the density matrix. Physical Review A, 1999, 61, .	1.0	268
4	Teleportation improvement by inconclusive photon subtraction. Physical Review A, 2003, 67, .	1.0	220
5	Using Entanglement Improves the Precision of Quantum Measurements. Physical Review Letters, 2001, 87, 270404.	2.9	216
6	Detection of the density matrix through optical homodyne tomography without filtered back projection. Physical Review A, 1994, 50, 4298-4302.	1.0	193
7	Quantum criticality as a resource for quantum estimation. Physical Review A, 2008, 78, .	1.0	191
8	Optical Phase Estimation in the Presence of Phase Diffusion. Physical Review Letters, 2011, 106, 153603.	2.9	178
9	Optimal Quantum Estimation of Loss in Bosonic Channels. Physical Review Letters, 2007, 98, 160401.	2.9	162
10	Quantum Tomography. Advances in Imaging and Electron Physics, 2003, 128, 205-308.	0.1	160
11	Quantifying the non-Gaussian character of a quantum state by quantum relative entropy. Physical Review A, 2008, 78, .	1.0	160
12	Quantifying non-Gaussianity for quantum information. Physical Review A, 2010, 82, .	1.0	158
13	Resource theory of quantum non-Gaussianity and Wigner negativity. Physical Review A, 2018, 98, .	1.0	155
14	Experimental Reconstruction of Photon Statistics without Photon Counting. Physical Review Letters, 2005, 95, 063602.	2.9	139
15	Sub-shot-noise photon-number correlation in a mesoscopic twin beam of light. Physical Review A, 2007, 76, .	1.0	139
16	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.	0.9	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, .	1.0	122

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19	Measure of the non-Gaussian character of a quantum state. <i>Physical Review A</i> , 2007, 76, .	1.0	121
20	Entanglement oscillations in non-Markovian quantum channels. <i>Physical Review A</i> , 2007, 75, .	1.0	117
21	Entanglement and purity of two-mode Gaussian states in noisy channels. <i>Physical Review A</i> , 2004, 69, .	1.0	111
22	Full Characterization of Gaussian Bipartite Entangled States by a Single Homodyne Detector. <i>Physical Review Letters</i> , 2009, 102, 020502.	2.9	110
23	Remote state preparation and teleportation in phase space. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003, 5, S360-S364.	1.4	102
24	Ab initio quantum-enhanced optical phase estimation using real-time feedback control. <i>Nature Photonics</i> , 2015, 9, 577-581.	15.6	101
25	Quantifying non-Markovianity of continuous-variable Gaussian dynamical maps. <i>Physical Review A</i> , 2011, 84, .	1.0	100
26	Optimal quantum estimation in spin systems at criticality. <i>Physical Review A</i> , 2008, 78, .	1.0	99
27	Optimal estimation of joint parameters in phase space. <i>Physical Review A</i> , 2013, 87, .	1.0	98
28	Critical Quantum Metrology with a Finite-Component Quantum Phase Transition. <i>Physical Review Letters</i> , 2020, 124, 120504.	2.9	92
29	Dynamics of quantum correlations in colored-noise environments. <i>Physical Review A</i> , 2013, 87, .	1.0	91
30	Experimental investigation of initial system-environment correlations via trace-distance evolution. <i>Physical Review A</i> , 2011, 84, .	1.0	86
31	Nonclassical correlations in non-Markovian continuous-variable systems. <i>Physical Review A</i> , 2010, 82, .	1.0	84
32	Quantum metrology in Lipkin-Meshkov-Glick critical systems. <i>Physical Review A</i> , 2014, 90, .	1.0	83
33	Qubit thermometry for micromechanical resonators. <i>Physical Review A</i> , 2011, 84, .	1.0	82
34	Nonclassicality Criteria from Phase-Space Representations and Information-Theoretical Constraints Are Maximally Inequivalent. <i>Physical Review Letters</i> , 2012, 108, 260403.	2.9	80
35	Non-Gaussianity of quantum states: An experimental test on single-photon-added coherent states. <i>Physical Review A</i> , 2010, 82, .	1.0	77
36	Detecting quantum non-Gaussianity via the Wigner function. <i>Physical Review A</i> , 2013, 87, .	1.0	76

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37	Entanglement and visibility at the output of a Mach-Zehnder interferometer. <i>Physical Review A</i> , 1999, 59, 1615-1621.	1.0	75
38	Experimental estimation of one-parameter qubit gates in the presence of phase diffusion. <i>Physical Review A</i> , 2010, 81, .	1.0	72
39	Gaussian-state interferometry with passive and active elements. <i>Physical Review A</i> , 2016, 93, .	1.0	70
40	Quantum characterization of superconducting photon counters. <i>New Journal of Physics</i> , 2012, 14, 085001.	1.2	69
41	Qubit-assisted thermometry of a quantum harmonic oscillator. <i>Physical Review A</i> , 2012, 86, .	1.0	64
42	Continuous-variable-entanglement dynamics in structured reservoirs. <i>Physical Review A</i> , 2009, 80, .	1.0	63
43	EFFECTS OF CLASSICAL ENVIRONMENTAL NOISE ON ENTANGLEMENT AND QUANTUM DISCORD DYNAMICS. <i>International Journal of Quantum Information</i> , 2012, 10, 1241005.	0.6	63
44	Quantum and classical correlations of intense beams of light investigated via joint photodetection. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S652-S663.	1.4	62
45	Optical interferometry in the presence of large phase diffusion. <i>Physical Review A</i> , 2012, 85, .	1.0	61
46	Characterization of classical Gaussian processes using quantum probes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 2495-2500.	0.9	61
47	Quantum probes for the spectral properties of a classical environment. <i>Physical Review A</i> , 2014, 89, .	1.0	61
48	Non-Markovianity of colored noisy channels. <i>Physical Review A</i> , 2014, 89, .	1.0	61
49	Homodyne Estimation of Gaussian Quantum Discord. <i>Physical Review Letters</i> , 2012, 109, 180402.	2.9	58
50	Bayesian estimation in homodyne interferometry. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 055506.	0.6	57
51	Experimental Estimation of Entanglement at the Quantum Limit. <i>Physical Review Letters</i> , 2010, 104, 100501.	2.9	57
52	Quantum probes for the cutoff frequency of Ohmic environments. <i>Physical Review A</i> , 2018, 97, .	1.0	56
53	Photon statistics without counting photons. <i>Physical Review A</i> , 2004, 70, .	1.0	54
54	Quantum non-Gaussianity witnesses in phase space. <i>Physical Review A</i> , 2014, 90, .	1.0	52

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55	Small amount of squeezing in high-sensitive realistic interferometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 201, 132-138.	0.9	51
56	Entangled quantum probes for dynamical environmental noise. <i>Physical Review A</i> , 2015, 92, .	1.0	51
57	All-optical quantum simulator of qubit noisy channels. <i>Applied Physics Letters</i> , 2017, 110, 081107.	1.5	51
58	Engineering decoherence for two-qubit systems interacting with a classical environment. <i>International Journal of Quantum Information</i> , 2014, 12, 1560003.	0.6	50
59	Bayesian estimation of one-parameter qubit gates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 035502.	0.6	49
60	Lower bounds on phase sensitivity in ideal and feasible measurements. <i>Physical Review A</i> , 1994, 49, 3022-3036.	1.0	48
61	Quorum of observables for universal quantum estimation. <i>Journal of Physics A</i> , 2001, 34, 93-103.	1.6	48
62	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.	0.9	48
63	Optimized teleportation in Gaussian noisy channels. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 319, 32-43.	0.9	46
64	Minimum decoherence cat-like states in Gaussian noisy channels. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S591-S596.	1.4	46
65	Photon subtracted states and enhancement of nonlocality in the presence of noise. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S392-S397.	1.4	46
66	Enhancement of nonlocality in phase space. <i>Physical Review A</i> , 2004, 70, .	1.0	44
67	Optimal estimation of entanglement. <i>Physical Review A</i> , 2008, 78, .	1.0	44
68	Ultimate limits for quantum magnetometry via time-continuous measurements. <i>New Journal of Physics</i> , 2017, 19, 123011.	1.2	44
69	Quantum thermometry by single-qubit dephasing. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	42
70	Quantum characterization of bipartite Gaussian states. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, A110.	0.9	41
71	Dicke coupling by feasible local measurements at the superradiant quantum phase transition. <i>Physical Review E</i> , 2016, 93, 052118.	0.8	41
72	Effect of noise and enhancement of nonlocality in on/off photodetection. <i>Physical Review A</i> , 2005, 72, .	1.0	39

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73	Improving the entanglement transfer from continuous-variable systems to localized qubits using non-Gaussian states. <i>Physical Review A</i> , 2007, 75, .	1.0	39
74	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.	0.7	39
75	Continuous-variable quantum probes for structured environments. <i>Physical Review A</i> , 2018, 97, .	1.0	39
76	Squeezed Fock state by inconclusive photon subtraction. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S616-S621.	1.4	38
77	State reconstruction by on/off measurements. <i>Physical Review A</i> , 2009, 80, .	1.0	38
78	Squeezed vacuum as a universal quantum probe. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 934-939.	0.9	37
79	Precision of quantum tomographic detection of radiation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 195, 31-37.	0.9	36
80	Optical qubit by conditional interferometry. <i>Physical Review A</i> , 2000, 62, .	1.0	36
81	Optimal detection of losses by thermal probes. <i>Physical Review A</i> , 2011, 84, .	1.0	36
82	Ancilla-Assisted Calibration of a Measuring Apparatus. <i>Physical Review Letters</i> , 2012, 108, 253601.	2.9	36
83	Two-qubit quantum probes for the temperature of an Ohmic environment. <i>Physical Review A</i> , 2020, 101, .	1.0	36
84	Effective method to estimate multidimensional Gaussian states. <i>Physical Review A</i> , 2009, 79, .	1.0	34
85	The modern tools of quantum mechanics. <i>European Physical Journal: Special Topics</i> , 2012, 203, 61-86.	1.2	34
86	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, .	1.0	34
87	Drawbacks of the use of fidelity to assess quantum resources. <i>Physical Review A</i> , 2014, 89, .	1.0	34
88	Conditional measurements on multimode pairwise entangled states from spontaneous parametric downconversion. <i>Europhysics Letters</i> , 2010, 92, 20007.	0.7	33
89	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.	0.9	33
90	Quantum-state engineering assisted by entanglement. <i>Physical Review A</i> , 2003, 67, .	1.0	32

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91	Programmable entanglement oscillations in a non-Markovian channel. <i>Physical Review A</i> , 2011, 83, .	1.0	32
92	Characterization of qubit chains by Feynman probes. <i>Physical Review A</i> , 2016, 94, .	1.0	32
93	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, .	1.0	31
94	Collapse and revival of quantum coherence for a harmonic oscillator interacting with a classical fluctuating environment. <i>Physical Review A</i> , 2015, 91, .	1.0	31
95	Non-Markovian continuous-time quantum walks on lattices with dynamical noise. <i>Physical Review A</i> , 2016, 93, .	1.0	31
96	Nonlocality of two- and three-mode continuous variable systems. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, 174-182.	1.4	30
97	Multimode entanglement and telecloning in a noisy environment. <i>Physical Review A</i> , 2005, 72, .	1.0	30
98	Measuring the photon distribution with ON/OFF photodetectors. <i>Laser Physics</i> , 2006, 16, 385-392.	0.6	30
99	Quantum probes to experimentally assess correlations in a composite system. <i>Physical Review A</i> , 2013, 88, .	1.0	30
100	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.	1.2	30
101	Robust generation of entanglement in Bose-Einstein condensates by collective atomic recoil. <i>Physical Review A</i> , 2004, 70, .	1.0	29
102	Characterization of bipartite states using a single homodyne detector. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S750-S753.	1.4	29
103	Nonlinearity as a resource for nonclassicality in anharmonic systems. <i>Physical Review A</i> , 2016, 93, .	1.0	29
104	Experimental quantum tomography of a homodyne detector. <i>New Journal of Physics</i> , 2017, 19, 053015.	1.2	29
105	Tomographic characterization of OPO sources close to threshold. <i>Optics Express</i> , 2005, 13, 948.	1.7	28
106	Intensity correlations, entanglement properties, and ghost imaging in multimode thermal-seeded parametric down-conversion: Theory. <i>Physical Review A</i> , 2007, 76, .	1.0	28
107	Fidelity Matters: The Birth of Entanglement in the Mixing of Gaussian States. <i>Physical Review Letters</i> , 2011, 107, 170505.	2.9	27
108	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, .	1.0	27

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109	Quantum metrology beyond the quantum Cram�r-Rao theorem. Physical Review A, 2017, 95, .	1.0	27
110	Tight bound on finite-resolution quantum thermometry at low temperatures. Physical Review Research, 2020, 2, .	1.3	27
111	Transmittivity measurements by means of squeezed vacuum light. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1187-1198.	0.6	26
112	Effective dephasing for a qubit interacting with a transverse classical field. International Journal of Quantum Information, 2014, 12, 1461004.	0.6	26
113	Two-step procedure to discriminate discordant from classical correlated or factorized states. Physical Review A, 2014, 90, .	1.0	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.	0.7	26
115	Interferometry as a binary decision problem. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 225, 23-27.	0.9	25
116	Adaptive quantum homodyne tomography. Physical Review A, 1999, 60, 518-528.	1.0	25
117	Classical and quantum aspects of multimode parametric interactions. Laser Physics, 2006, 16, 1451-1477.	0.6	25
118	Quantum phase communication channels in the presence of static and dynamical phase diffusion. Physical Review A, 2015, 92, .	1.0	25
119	Quantum probing beyond pure dephasing. New Journal of Physics, 2020, 22, 083027.	1.2	25
120	Joint generation of identical squeezed states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 225, 28-32.	0.9	23
121	Tripartite entanglement transfer from flying modes to localized qubits. Physical Review A, 2009, 79, .	1.0	23
122	Enhancement of parameter estimation by Kerr interaction. Physical Review A, 2009, 80, .	1.0	23
123	Optimal estimation of entanglement in optical qubit systems. Physical Review A, 2011, 83, .	1.0	23
124	Quantum probes for fractional Gaussian processes. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 256-265.	1.2	23
125	Optimal quantum repeaters for qubits and qudits. Physical Review A, 2005, 71, .	1.0	22
126	Information�disturbance tradeoff in continuous-variable Gaussian systems. Physical Review A, 2006, 74, .	1.0	22



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127	Quantum estimation via the minimum Kullback entropy principle. <i>Physical Review A</i> , 2007, 76, .	1.0	22
128	Demonstration of a bright and compact source of tripartite nonclassical light. <i>Physical Review A</i> , 2008, 78, .	1.0	22
129	Phase estimation in the presence of phase diffusion: the qubit case. <i>Physica Scripta</i> , 2010, T140, 014062.	1.2	22
130	Non-Gaussian states produced by close-to-threshold optical parametric oscillators: Role of classical and quantum fluctuations. <i>Physical Review A</i> , 2010, 81, .	1.0	22
131	Quantum discord for Gaussian states with non-Gaussian measurements. <i>Physical Review A</i> , 2012, 86, .	1.0	22
132	Hybrid quantum key distribution using coherent states and photon-number-resolving detectors. <i>Physical Review A</i> , 2018, 98, .	1.0	22
133	Experimental investigation of the effect of classical noise on quantum non-Markovian dynamics. <i>Physical Review A</i> , 2019, 100, .	1.0	22
134	Binary optical communication in single-mode and entangled quantum noisy channels. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, 69-80.	1.4	21
135	Single- and two-mode quantumness at a beam splitter. <i>Physical Review A</i> , 2015, 91, .	1.0	21
136	Noisy quantum walks of two indistinguishable interacting particles. <i>Physical Review A</i> , 2017, 95, .	1.0	21
137	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.	0.9	21
138	Multiphoton communication in lossy channels with photon-number entangled states. <i>Physical Review A</i> , 2007, 75, .	1.0	20
139	Monitoring the quantum-classical transition in thermally seeded parametric down-conversion by intensity measurements. <i>Physical Review A</i> , 2009, 79, .	1.0	20
140	Quantum Probes for Ohmic Environments at Thermal Equilibrium. <i>Entropy</i> , 2019, 21, 486.	1.1	20
141	Improved discrimination of unitary transformations by entangled probes. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 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. <i>Journal of Modern Optics</i> , 2009, 56, 215-225.	0.6	19
143	Quantum state transfer via Bloch oscillations. <i>Scientific Reports</i> , 2016, 6, 26054.	1.6	19
144	Continuous-time quantum walks on spatially correlated noisy lattices. <i>Physical Review A</i> , 2017, 96, .	1.0	19

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145	Quantum spatial search on graphs subject to dynamical noise. <i>Physical Review A</i> , 2018, 98, .	1.0	19
146	Feedback-assisted homodyne detection of phase shifts. <i>Physical Review A</i> , 1996, 54, 4495-4504.	1.0	18
147	Finite-time quantum-to-classical transition for a Schrödinger-cat state. <i>Physical Review A</i> , 2011, 84, .	1.0	18
148	Discording Power of Quantum Evolutions. <i>Physical Review Letters</i> , 2013, 110, 010501.	2.9	18
149	Continuous-time quantum walks on dynamical percolation graphs. <i>Europhysics Letters</i> , 2018, 124, 60001.	0.7	18
150	2 Quantum Tomographic Methods. <i>Lecture Notes in Physics</i> , 0, , 7-58.	0.3	17
151	Quantum backflow effect and nonclassicality. <i>International Journal of Quantum Information</i> , 2016, 14, 1650032.	0.6	17
152	Enhanced estimation of loss in the presence of Kerr nonlinearity. <i>Physical Review A</i> , 2016, 93, .	1.0	17
153	Squeezing-enhanced phase-shift-keyed binary communication in noisy channels. <i>Physical Review A</i> , 2018, 97, .	1.0	17
154	Universal Quantum Magnetometry with Spin States at Equilibrium. <i>Physical Review Letters</i> , 2018, 120, 260503.	2.9	17
155	Demonstration of a programmable source of two-photon multiqubit entangled states. <i>Physical Review A</i> , 2010, 81, .	1.0	16
156	Can quantum probes satisfy the weak equivalence principle?. <i>Annals of Physics</i> , 2017, 380, 213-223.	1.0	16
157	Probing the diamagnetic term in light-matter interaction. <i>Quantum Science and Technology</i> , 2017, 2, 01LT01.	2.6	16
158	Necessity of sine-cosine joint measurement. <i>Physical Review A</i> , 1993, 48, R4039-R4042.	1.0	15
159	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, .	1.0	15
160	Quantum-limited estimation of continuous spontaneous localization. <i>Physical Review A</i> , 2017, 95, .	1.0	15
161	On the Quantumness of Multiparameter Estimation Problems for Qubit Systems. <i>Entropy</i> , 2020, 22, 1197.	1.1	15
162	Optimized interferometry with Gaussian states. <i>Optics and Spectroscopy (English Translation of) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 6</i>	0.2	14

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163	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.	0.6	14
164	Quantifying the nonlinearity of a quantum oscillator. <i>Physical Review A</i> , 2014, 90, .	1.0	14
165	Probing molecular spin clusters by local measurements. <i>Physical Review B</i> , 2016, 94, .	1.1	14
166	Lattice quantum magnetometry. <i>Physical Review A</i> , 2019, 99, .	1.0	14
167	Mechanical oscillator thermometry in the nonlinear optomechanical regime. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
168	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, .	1.0	13
169	Quantum metrology at level anticrossing. <i>Physical Review A</i> , 2018, 97, .	1.0	13
170	Quantum Probes for the Characterization of Nonlinear Media. <i>Entropy</i> , 2021, 23, 1353.	1.1	13
171	Optimal quantum estimation of the coupling between two bosonic modes. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2001, 3, 337-340.	1.4	12
172	Probing deformed quantum commutators. <i>Physical Review D</i> , 2016, 94, .	1.6	12
173	Effective description of the short-time dynamics in open quantum systems. <i>Physical Review A</i> , 2017, 96, .	1.0	12
174	Noisy propagation of Gaussian states in optical media with finite bandwidth. <i>Scientific Reports</i> , 2022, 12, .	1.6	12
175	De-Gaussification by inconclusive photon subtraction. <i>Laser Physics</i> , 2006, 16, 1533-1550.	0.6	11
176	Entanglement-induced invariance in bilinear interactions. <i>Physical Review A</i> , 2009, 80, .	1.0	11
177	Programmable purification of type-I polarization-entanglement. <i>Applied Physics Letters</i> , 2010, 97, 041108.	1.5	11
178	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.	1.0	11
179	Phase noise in collective binary phase shift keying with Hadamard words. <i>Optics Express</i> , 2016, 24, 1693.	1.7	11
180	Quantum limits to mass sensing in a gravitational field. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 235301.	0.7	11

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181	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.	0.9	11
182	Quantum metrology out of equilibrium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 825-833.	1.2	11
183	Generalized quantum-classical correspondence for random walks on graphs. <i>Physical Review A</i> , 2021, 104, .	1.0	11
184	Photonic realization of a quantum finite automaton. <i>Physical Review Research</i> , 2020, 2, .	1.3	11
185	Probing of nonlinear hybrid optomechanical systems via partial accessibility. <i>Physical Review Research</i> , 2022, 4, .	1.3	11
186	Degradation of continuous variable entanglement in a phase-sensitive environment. <i>Journal of Modern Optics</i> , 2004, 51, 1057-1061.	0.6	10
187	HOMODYNE CHARACTERIZATION OF CONTINUOUS VARIABLE BIPARTITE STATES. <i>International Journal of Quantum Information</i> , 2007, 05, 63-68.	0.6	10
188	Quantum binary channels with mixed states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 373, 61-64.	0.9	10
189	On the Discrimination Between Classical and Quantum States. <i>Foundations of Physics</i> , 2011, 41, 305-316.	0.6	10
190	About the use of fidelity in continuous variable systems. <i>International Journal of Quantum Information</i> , 2014, 12, 1461015.	0.6	10
191	High-order dispersion effects in two-photon interference. <i>Physical Review A</i> , 2016, 94, .	1.0	10
192	Probing the sign of the Hubbard interaction by two-particle quantum walks. <i>Physical Review A</i> , 2018, 97, .	1.0	10
193	Towards quantum sensing with molecular spins. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 491, 165534.	1.0	10
194	Quantum tomography of light states by photon-number-resolving detectors. <i>New Journal of Physics</i> , 2019, 21, 103045.	1.2	10
195	Quantum-classical dynamical distance and quantumness of quantum walks. <i>Physical Review A</i> , 2020, 102, .	1.0	10
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