

Magdalena Stobinska

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

776
citations

516561

16
h-index

526166

27
g-index

45
all docs

45
docs citations

45
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfect excitation of a matter qubit by a single photon in free space. Europhysics Letters, 2009, 86, 14007.	0.7	124
2	Violation of Bell's inequality using classical measurements and nonlinear local operations. Physical Review A, 2007, 75, .	1.0	65
3	Wigner function evolution of quantum states in the presence of self-Kerr interaction. Physical Review A, 2008, 78, .	1.0	58
4	Measuring Photon Antibunching from Continuous Variable Sideband Squeezing. Physical Review Letters, 2007, 98, 153603.	2.9	56
5	Proposal for exploring macroscopic entanglement with a single photon and coherent states. Physical Review A, 2012, 86, .	1.0	52
6	Topological Phases of Polaritons in a Cavity Waveguide. Physical Review Letters, 2019, 123, 217401.	2.9	38
7	Efficient Modeling of NMR Parameters in Carbon Nanosystems. Journal of Chemical Theory and Computation, 2013, 9, 4275-4286.	2.3	33
8	Quantum-enhanced interferometry with large heralded photon-number states. Npj Quantum Information, 2020, 6, .	2.8	33
9	Quantum Steering Inequality with Tolerance for Measurement-Setting Errors: Experimentally Feasible Signature of Unbounded Violation. Physical Review Letters, 2017, 118, 020402.	2.9	28
10	Entanglement witnesses and measures for bright squeezed vacuum. Physical Review A, 2012, 86, .	1.0	27
11	Witnessing entanglement with second-order interference. Physical Review A, 2005, 71, .	1.0	25
12	Fair-sampling assumption is not necessary for testing local realism. Physical Review A, 2010, 81, .	1.0	24
13	QED with a parabolic mirror. Physical Review A, 2013, 88, .	1.0	21
14	Quantum interference enables constant-time quantum information processing. Science Advances, 2019, 5, eaau9674.	4.7	19
15	Filtering of the absolute value of photon-number difference for two-mode macroscopic quantum superpositions. Physical Review A, 2012, 86, .	1.0	18
16	Superluminal X-waves in a polariton quantum fluid. Light: Science and Applications, 2018, 7, 17119-17119.	7.7	17
17	Bell-inequality tests with macroscopic entangled states of light. Physical Review A, 2011, 84, .	1.0	14
18	Generation of Kerr non-Gaussian motional states of trapped ions. Europhysics Letters, 2011, 94, 54002.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Interference of macroscopic beams on a beam splitter: phase uncertainty converted into photon-number uncertainty. <i>New Journal of Physics</i> , 2014, 16, 013025.	1.2	13
20	Efficient amplification of photonic qubits by optimal quantum cloning. <i>Physical Review A</i> , 2014, 89, .	1.0	13
21	Two Copies of the Einstein-Podolsky-Rosen State of Light Lead to Refutation of EPR Ideas. <i>Physical Review Letters</i> , 2015, 114, 100402.	2.9	9
22	Towards loophole-free Bell inequality test with preselected unsymmetrical singlet states of light. <i>Physical Review A</i> , 2014, 89, .	1.0	8
23	Quantum simulations with multiphoton Fock states. <i>Npj Quantum Information</i> , 2021, 7, .	2.8	8
24	Effective Generation of Cat and Kitten States. <i>Open Systems and Information Dynamics</i> , 2007, 14, 81-90.	0.5	6
25	Prospect for detecting squeezed states of light created by a single atom in free space. <i>Optics Communications</i> , 2010, 283, 737-740.	1.0	6
26	Photon distribution at the output of a beam splitter for imbalanced input states. <i>Physical Review A</i> , 2016, 93, .	1.0	6
27	Exciton-polariton localized wave packets in a microcavity. <i>Physical Review B</i> , 2016, 93, .	1.1	6
28	WITNESSING ENTANGLEMENT OF EPR STATES WITH SECOND-ORDER INTERFERENCE. <i>International Journal of Modern Physics B</i> , 2006, 20, 1504-1512.	1.0	5
29	Numerical model for macroscopic quantum superpositions based on phase-covariant quantum cloning. <i>Computer Physics Communications</i> , 2012, 183, 2245-2253.	3.0	5
30	Numerical modeling of excitonâ€ polariton Boseâ€ Einstein condensate in a microcavity. <i>Computer Physics Communications</i> , 2017, 215, 246-258.	3.0	5
31	Correlation evolution in dilute Bose-Einstein condensates after quantum quenches. <i>Physical Review A</i> , 2019, 99, .	1.0	5
32	Quantum Electrodynamics of One-Photon Wave Packets. <i>Advances in Quantum Chemistry</i> , 2010, , 457-483.	0.4	4
33	Multiphoton quantum interference with high visibility using multiport beam splitters. <i>Physical Review A</i> , 2013, 87, .	1.0	4
34	Extreme renormalisations of dimer eigenmodes by strong lightâ€ matter coupling. <i>New Journal of Physics</i> , 2020, 22, 103001.	1.2	3
35	Single-Photon Single-Ion Interaction in Free Space Configuration in Front of a Parabolic Mirror. <i>Open Systems and Information Dynamics</i> , 2012, 19, 1250023.	0.5	2
36	Feasible quantum engineering of quantum multiphoton superpositions. <i>Optics Communications</i> , 2015, 337, 83-95.	1.0	2

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37	Loss-tolerant hybrid measurement test of CHSH inequality with weakly amplified NOON states. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 075306.	0.7	1
38	Witnessing Entanglement with Second-Order Interference and Stokes Parameters. Acta Physica Hungarica A Heavy Ion Physics, 2006, 26, 301-310.	0.4	0
39	Quantum steering inequality with tolerance for measurement-setting-errors: experimentally feasible signature of unbounded violation. , 2017, , .		0
40	Quantum Interference Enables Constant-Time Information Processing. , 2018, , .		0
41	Anderson localisation in steady states of microcavity polaritons. Scientific Reports, 2019, 9, 19396.	1.6	0
42	Quantum simulations with multiphoton number states. , 2020, , .		0
43	Photon Anti-Bunching and "Hole" Entanglement with Homodyne Detections. , 2007, , .		0
44	Efficient long-range distribution of multi-photon entanglement. , 2021, , .		0
45	A new tool for modelling lattices of organic polaritons. New Journal of Physics, 0, , .	1.2	0