Sumanta Das

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6846704/publications.pdf

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30	605	567281 15	580821 25
papers	citations	h-index	g-index

30	30	30	546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum Interferences in Cooperative Dicke Emission from Spatial Variation of the Laser Phase. Physical Review Letters, 2008, 101, 153601.	7.8	70
2	Strongly Correlated Photon Transport in Waveguide Quantum Electrodynamics with Weakly Coupled Emitters. Physical Review Letters, 2018, 121, 143601.	7.8	67
3	Semiconductor cavity QED with squeezed light: Nonlinear regime. Physical Review A, 2011, 84, .	2.5	60
4	Photonic controlled-phase gates through Rydberg blockade in optical cavities. Physical Review A, 2016, 93, .	2.5	51
5	Decoherence effects in interacting qubits under the influence of various environments. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 205502.	1.5	43
6	Protecting bipartite entanglement by quantum interferences. Physical Review A, 2010, 81, .	2.5	35
7	Bright and dark periods in the entanglement dynamics of interacting qubits in contact with the environment. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 141003.	1.5	32
8	Quantum entanglement in coupled lossy waveguides. Optics Express, 2010, 18, 6241.	3.4	29
9	Interfacing Superconducting Qubits and Single Optical Photons Using Molecules in Waveguides. Physical Review Letters, 2017, 118, 140501.	7.8	25
10	Coherence-Enhanced Optical Determination of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Th</mml:mi><mml:mprescripts /><mml:none /><mml:mn>229</mml:mn></mml:mmultiscripts></mml:math>Isomeric Transition. Physical Review Letters, 2012, 109, 262502.	7.8	24
11	Photon-photon correlations as a probe of vacuum-induced coherence effects. Physical Review A, 2008, 77, .	2.5	21
12	Quantum-interference-controlled resonance profiles from lasing without inversion to photodetection. Physical Review A, 2011, 84, .	2.5	19
13	Photon scattering from a system of multilevel quantum emitters. I. Formalism. Physical Review A, 2018, 97, .	2.5	18
14	Photon scattering from a system of multilevel quantum emitters. II. Application to emitters coupled to a one-dimensional waveguide. Physical Review A, 2018, 97, .	2.5	18
15	External-field effect on quantum features of radiation emitted by a quantum well in a microcavity. Physical Review A, 2011, 83, .	2.5	16
16	Collective quantum dot inversion and amplification of photon and phonon waves. Physical Review B, 2013, 88, .	3.2	13
17	Quantum interference in timed Dicke basis and its effect on bipartite entanglement. Physical Review A, 2011, 83, .	2.5	9
18	Vacuum-induced coherence in ultracold photoassociative rovibrational excitations. Physical Review A, 2012, 85, .	2.5	9

#	Article	IF	Citations
19	Quantum interference effects in an ensemble of229Th nuclei interacting with coherent light. Physical Review C, 2013, 88, .	2.9	8
20	Propagation of0Ï€pulses in a gas of three-level atoms. Physical Review A, 2011, 83, .	2.5	7
21	Enhancing quantum transduction via long-range waveguide-mediated interactions between quantum emitters. Physical Review A, 2019, 100, .	2.5	7
22	Microwave-controlled efficient Raman sub-harmonic generation. Optics Letters, 2015, 40, 2229.	3.3	5
23	Multipartite entanglement detection with nonsymmetric probing. Physical Review A, 2017, 95, .	2.5	5
24	Nonclassical correlation of polarization-entangled photons in a biexcitonâ€“exciton cascade. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 225502.	1.5	4
25	Electromagnetic field induced modification of branching ratios for emission in structured vacuum. New Journal of Physics, 2008, 10, 013014.	2.9	3
26	Quantum correlations and violation of the Bell inequality induced by an external field in a two-photon radiative cascade. Physical Review A, 2011, 83, .	2.5	2
27	Entanglement of two spatially separated qubits via correlated photons. Optics Letters, 2012, 37, 1733.	3.3	2
28	Clarifying Kirkâ€™s confusion about quantum coherent solar cell physics via simple examples and analysis. Physica B: Condensed Matter, 2013, 423, 54-57.	2.7	1
29	Comment on Kirk's â€œAnalysis of quantum coherent solar photovoltaic cellsâ€• Physica B: Condensed Matter, 2013, 417, 91-93.	2.7	1
30	Reply to â€œComment on â€˜Protecting bipartite entanglement by quantum interferences' â€• Physical Review A, 2018, 97, .	2.5	1