

Sumanta Das

List of Publications by Year in descending order

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30
papers

605
citations

567281

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30
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing quantum transduction via long-range waveguide-mediated interactions between quantum emitters. <i>Physical Review A</i> , 2019, 100, .	2.5	7
2	Photon scattering from a system of multilevel quantum emitters. I. Formalism. <i>Physical Review A</i> , 2018, 97, .	2.5	18
3	Photon scattering from a system of multilevel quantum emitters. II. Application to emitters coupled to a one-dimensional waveguide. <i>Physical Review A</i> , 2018, 97, .	2.5	18
4	Reply to "Comment on "Protecting bipartite entanglement by quantum interferences" ". <i>Physical Review A</i> , 2018, 97, .	2.5	1
5	Strongly Correlated Photon Transport in Waveguide Quantum Electrodynamics with Weakly Coupled Emitters. <i>Physical Review Letters</i> , 2018, 121, 143601.	7.8	67
6	Multipartite entanglement detection with nonsymmetric probing. <i>Physical Review A</i> , 2017, 95, .	2.5	5
7	Interfacing Superconducting Qubits and Single Optical Photons Using Molecules in Waveguides. <i>Physical Review Letters</i> , 2017, 118, 140501.	7.8	25
8	Photonic controlled-phase gates through Rydberg blockade in optical cavities. <i>Physical Review A</i> , 2016, 93, .	2.5	51
9	Microwave-controlled efficient Raman sub-harmonic generation. <i>Optics Letters</i> , 2015, 40, 2229.	3.3	5
10	Clarifying Kirk's confusion about quantum coherent solar cell physics via simple examples and analysis. <i>Physica B: Condensed Matter</i> , 2013, 423, 54-57.	2.7	1
11	Comment on Kirk's "Analysis of quantum coherent solar photovoltaic cells". <i>Physica B: Condensed Matter</i> , 2013, 417, 91-93.	2.7	1
12	Quantum interference effects in an ensemble of ^{229}Th nuclei interacting with coherent light. <i>Physical Review C</i> , 2013, 88, .	2.9	8
13	Collective quantum dot inversion and amplification of photon and phonon waves. <i>Physical Review B</i> , 2013, 88, .	3.2	13
14	Vacuum-induced coherence in ultracold photoassociative rovibrational excitations. <i>Physical Review A</i> , 2012, 85, .	2.5	9
15	Entanglement of two spatially separated qubits via correlated photons. <i>Optics Letters</i> , 2012, 37, 1733.	3.3	2
16	Coherence-Enhanced Optical Determination of the $\langle \text{Th} \rangle$ Isomeric Transition. <i>Physical Review Letters</i> , 2012, 109, 262502.	7.8	24
17	Propagation of pulses in a gas of three-level atoms. <i>Physical Review A</i> , 2011, 83, .	2.5	7
18	Semiconductor cavity QED with squeezed light: Nonlinear regime. <i>Physical Review A</i> , 2011, 84, .	2.5	60

#	ARTICLE	IF	CITATIONS
19	Quantum-interference-controlled resonance profiles from lasing without inversion to photodetection. <i>Physical Review A</i> , 2011, 84, .	2.5	19
20	Quantum correlations and violation of the Bell inequality induced by an external field in a two-photon radiative cascade. <i>Physical Review A</i> , 2011, 83, .	2.5	2
21	Quantum interference in timed Dicke basis and its effect on bipartite entanglement. <i>Physical Review A</i> , 2011, 83, .	2.5	9
22	External-field effect on quantum features of radiation emitted by a quantum well in a microcavity. <i>Physical Review A</i> , 2011, 83, .	2.5	16
23	Protecting bipartite entanglement by quantum interferences. <i>Physical Review A</i> , 2010, 81, .	2.5	35
24	Quantum entanglement in coupled lossy waveguides. <i>Optics Express</i> , 2010, 18, 6241.	3.4	29
25	Bright and dark periods in the entanglement dynamics of interacting qubits in contact with the environment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 141003.	1.5	32
26	Decoherence effects in interacting qubits under the influence of various environments. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 205502.	1.5	43
27	Electromagnetic field induced modification of branching ratios for emission in structured vacuum. <i>New Journal of Physics</i> , 2008, 10, 013014.	2.9	3
28	Quantum Interferences in Cooperative Dicke Emission from Spatial Variation of the Laser Phase. <i>Physical Review Letters</i> , 2008, 101, 153601.	7.8	70
29	Nonclassical correlation of polarization-entangled photons in a biexcitonâ€“exciton cascade. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 225502.	1.5	4
30	Photon-photon correlations as a probe of vacuum-induced coherence effects. <i>Physical Review A</i> , 2008, 77, .	2.5	21