R Prabhu

List of Publications by Year
in descending order

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32 papers	631 citations	516215 16 h-index	580395 25 g-index
32 all docs	32 docs citations	32 times ranked	304 citing authors

#	Article	IF	Citations
1	Conditions for monogamy of quantum correlations: Greenberger-Horne-Zeilinger versus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>W</mml:mi></mml:math>states. Physical Review A, 2012, 85, .	1.0	96
2	Characterizing Multiparticle Entanglement in SymmetricN-Qubit States via Negativity of Covariance Matrices. Physical Review Letters, 2007, 98, 060501.	2.9	63
3	Genuine-multipartite-entanglement trends in gapless-to-gapped transitions of quantum spin systems. Physical Review A, 2014, 90, .	1.0	39
4	Monotonically increasing functions of any quantum correlation can make all multiparty states monogamous. Annals of Physics, 2014, 348, 297-305.	1.0	39
5	Non-classicality of photon added coherent and thermal radiations. European Physical Journal D, 2006, 40, 133-138.	0.6	35
6	Characterization of tripartite quantum states with vanishing monogamy score. Physical Review A, 2012, 86, .	1.0	31
7	Disorder overtakes order in information concentration over quantum networks. Physical Review A, 2011, 84, .	1.0	26
8	Relating monogamy of quantum correlations and multisite entanglement. Physical Review A, 2012, 86, .	1.0	24
9	Constraints on the uncertainties of entangled symmetric qubits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 203-207.	0.9	22
10	Maximally-dense-coding-capable quantum states. Physical Review A, 2013, 87, .	1.0	22
11	Quantum discord length is enhanced while entanglement length is not by introducing disorder in a spin chain. Physical Review E, 2016, 93, 012131.	0.8	21
12	Exclusion principle for quantum dense coding. Physical Review A, 2013, 87, .	1.0	20
13	Effect of a large number of parties on the monogamy of quantum correlations. Physical Review A, 2015, 91, .	1.0	20
14	Multipartite dense coding versus quantum correlation: Noise inverts relative capability of information transfer. Physical Review A, 2014, 90, .	1.0	18
15	Distributed quantum dense coding with two receivers in noisy environments. Physical Review A, 2015, 92, .	1.0	18
16	LOCAL INVARIANTS AND PAIRWISE ENTANGLEMENT IN SYMMETRIC MULTIQUBIT SYSTEM. International Journal of Modern Physics B, 2006, 20, 1917-1933.	1.0	16
17	Superiority of photon subtraction to addition for entanglement in a multimode squeezed vacuum. Physical Review A, 2016, 93, .	1.0	13
18	Dual quantum-correlation paradigms exhibit opposite statistical-mechanical properties. Physical Review A, 2012, 86, .	1.0	12

#	Article	IF	Citations
19	Non-local properties of a symmetric two-qubit system. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S740-S744.	1.4	11
20	Conclusive identification of quantum channels via monogamy of quantum correlations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3588-3594.	0.9	10
21	Collective multipolelike signatures of entanglement in symmetricN-qubit systems. Physical Review A, 2007, 76, .	1.0	9
22	Tuning interaction strength leads to an ergodic-nonergodic transition of quantum correlations in the anisotropic Heisenberg spin model. Physical Review A, 2013, 87, .	1.0	9
23	Constructive interference between disordered couplings enhances multiparty entanglement in quantum Heisenberg spin glass models. New Journal of Physics, 2016, 18, 083044.	1.2	8
24	Forbidden regimes in the distribution of bipartite quantum correlations due to multiparty entanglement. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1701-1709.	0.9	8
25	Survival of time-evolved quantum correlations depending on whether quenching is across a critical point in anXYspin chain. Physical Review A, 2016, 93, .	1.0	7
26	Quantum correlations in quenched disordered spin models: Enhanced order from disorder by thermal fluctuations. Physical Review E, 2016, 93, 032115.	0.8	7
27	Separability of a family of one parameter<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>W</mml:mi></mml:mrow></mml:math>and Greenberger-Horne-Zeilinger multiqubit states using the Abe-Rajagopal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>q</mml:mi></mml:mrow></mml:math>-conditional-entropy test	1.0	6
28	Information complementarity in multipartite quantum states and security in cryptography. Physical Review A, 2016, 93, .	1.0	6
29	Quantum correlations in periodically driven spin chains: Revivals and steady-state properties. Journal of Magnetism and Magnetic Materials, 2019, 491, 165546.	1.0	6
30	Nonergodic classical correlations lead to ergodic quantum correlations in low-dimensional spin models. Europhysics Letters, 2013, 102, 30001.	0.7	5
31	Genuine multiparty quantum entanglement suppresses multiport classical information transmission. Physical Review A, 2013, 88, .	1.0	4
32	A scheme for amplification and discrimination of photons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 235501.	0.6	0