

Seyed Javad Akhtarshenas

List of Publications by Year in descending order

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36
papers

421
citations

932766
10
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752256
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36
all docs

36
docs citations

36
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of spin-orbit interaction on entanglement of two-qubit Heisenberg systems in an inhomogeneous magnetic field. Physical Review A, 2008, 77, .	1.0	96
2	Concurrence vectors in arbitrary multipartite quantum systems. Journal of Physics A, 2005, 38, 6777-6784.	1.6	67
3	Decoherence in a one-dimensional quantum walk. Physical Review A, 2010, 81, .	1.0	41
4	Entangled graphs: a classification of four-qubit entanglement. European Physical Journal D, 2016, 70, 1.	0.6	27
5	Influence of dephasing on the entanglement teleportation via a two-qubit Heisenberg XYZ system. European Physical Journal D, 2011, 62, 439-447.	0.6	22
6	Negativity as entanglement degree of the Jaynes-Cummings model. Physica Scripta, 2007, 75, 608-614.	1.2	21
7	Generation and nonclassicality of entangled states via the interaction of two three-level atoms with a quantized cavity field assisted by a driving external classical field. Quantum Information Processing, 2015, 14, 1279-1303.	1.0	18
8	Quantumness of quantum channels. Physical Review A, 2018, 98, .	1.0	15
9	Non-equilibrium entanglement dynamics of a two-qubit Heisenberg XY system in the presence of an inhomogeneous magnetic field and spin-orbit interaction. European Physical Journal D, 2010, 57, 129-140.	0.6	13
10	Revealing quantum correlation by negativity of the Wigner function. Quantum Information Processing, 2016, 15, 1999-2020.	1.0	12
11	Concurrence of superpositions of many states. Physical Review A, 2011, 83, .	1.0	11
12	Optimal Lewenstein-Sanpera decomposition for some bipartite systems. Journal of Physics A, 2004, 37, 2965-2982.	1.6	10
13	Computable measure of quantum correlation. Quantum Information Processing, 2015, 14, 247-267.	1.0	10
14	Entanglement dynamics and decoherence of an atom coupled to a dissipative cavity field. European Physical Journal D, 2010, 57, 271-279.	0.6	8
15	Canonical coset parametrization and the Bures metric of the three-level quantum systems. Journal of Mathematical Physics, 2007, 48, 012102.	0.5	6
16	Geometric discord of the Jaynes-Cummings model: pure dephasing regime. European Physical Journal D, 2015, 69, 1.	0.6	6
17	An explicit computation of the Bures metric over the space of N -dimensional density matrices. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11333-11341.	0.7	5
18	Robustness of entanglement for Bell decomposable states. European Physical Journal D, 2003, 25, 293-298.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Progress on Quantum Discord of Two-Qubit States: Optimization and Upper Bound. International Journal of Theoretical Physics, 2015, 54, 72-84.	0.5	4
20	Entanglement Degree of Parasupersymmetric Coherent States of Harmonic Oscillator. International Journal of Theoretical Physics, 2006, 45, 2199-2207.	0.5	3
21	Coset parameterization of density matrices. Optics and Spectroscopy (English Translation of Optika i Tj ETQq1 1 0,784314 rgBT /Over	0.2	3
22	Incoherent tunneling effects in a one-dimensional quantum walk. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 115301.	0.7	3
23	Parametrization of quantum states based on the quantum state discrimination problem. Quantum Information Processing, 2019, 18, 1.	1.0	3
24	Generalized master function approach to one-dimensional quasiexactly solvable models. Journal of Mathematical Physics, 2000, 41, 7783-7796.	0.5	2
25	Separability criterion induced from cross norm is not equivalent to positive partial transpose. Journal of Physics A, 2003, 36, 1509-1513.	1.6	2
26	Reexamination of strong subadditivity: A quantum-correlation approach. Physical Review A, 2017, 95, .	1.0	2
27	Mutually unbiased measurements with arbitrary purity. Quantum Information Processing, 2021, 20, 1.	1.0	2
28	Two-Photon Entanglement in a Two-Mode Supersymmetric Model. International Journal of Theoretical Physics, 2006, 45, 973-983.	0.5	1
29	Two-qubit quantum cloning machine and quantum correlation broadcasting. Physical Review A, 2016, 94, .	1.0	1
30	Quantifying nonclassicality of correlations based on the concept of nondisruptive local state identification. Quantum Information Processing, 2016, 15, 1585-1599.	1.0	1
31	Quantum Fisher information matrix for unitary processes: closed relation for SU(2). Quantum Information Processing, 2018, 17, 1.	1.0	1
32	Differential Geometry on SU(N): Left and Right Invariant Vector Fields and One-Forms. Applied Mathematics and Information Sciences, 2014, 8, 2903-2908.	0.7	1
33	Parametrization of Projector-Based Witnesses for Bipartite Systems. International Journal of Theoretical Physics, 2010, 49, 402-412.	0.5	0
34	Computable measure of total quantum correlations of multipartite systems. Quantum Information Processing, 2016, 15, 1601-1627.	1.0	0
35	Comparison of quantum discord and fully entangled fraction of two classes of $d \times d$ states. Quantum Information Processing, 2017, 16, 1.	1.0	0
36	Measuring quantum discord using the most distinguishable steered states. Quantum Information Processing, 2018, 17, 1.	1.0	0