Arun Kumar Pati

List of Publications by Year
in descending order

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38 papers	1,822 citations	331538 21 h-index	315616 38 g-index
38 all docs	38 docs citations	38 times ranked	863 citing authors

#	Article	IF	Citations
1	Impossibility of cloning of quantum coherence. Physical Review A, 2021, 103, .	1.0	5
2	Direct experimental test of forward and reverse uncertainty relations. Physical Review Research, 2020, 2, .	1.3	4
3	Quantum uncertainty relation based on the mean deviation. Physical Review A, 2018, 98, .	1.0	10
4	Masking Quantum Information is Impossible. Physical Review Letters, 2018, 120, 230501.	2.9	52
5	Trade-off relation for coherence and disturbance. Physical Review A, 2018, 97, .	1.0	9
6	Quantum speed limit constraints on a nanoscale autonomous refrigerator. Physical Review E, 2018, 97, 062116.	0.8	17
7	Coherence makes quantum systems â€˜magicalâ€™. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 414006.	0.7	11
8	Maximum Relative Entropy of Coherence: An Operational Coherence Measure. Physical Review Letters, 2017, 119, 150405.	2.9	141
9	Tighter uncertainty and reverse uncertainty relations. Physical Review A, 2017, 95, .	1.0	41
10	Experimental test of uncertainty relations for general unitary operators. Optics Express, 2017, 25, 17904.	1.7	25
11	Uncertainty Relations for Quantum Coherence. Mathematics, 2016, 4, 47.	1.1	38
12	Uncertainty relations for general unitary operators. Physical Review A, 2016, 94, .	1.0	31
13	Quantum speed limit for mixed states using an experimentally realizable metric. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1395-1400.	0.9	53
14	Interference visibility, entanglement, and quantum correlation. Physical Review A, 2015, 92, .	1.0	7
15	Maximally coherent mixed states: Complementarity between maximal coherence and mixedness. Physical Review A, 2015, 91, .	1.0	120
16	Duality of quantum coherence and path distinguishability. Physical Review A, 2015, 92, .	1.0	206
17	Quantum discord with weak measurements. Annals of Physics, 2014, 343, 141-152.	1.0	55
18	Quantum discord and classical correlation can tighten the uncertainty principle in the presence of quantum memory. Physical Review A, 2012, 86, .	1.0	131

#	Article	IF	Citations
19	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
20	Entangled brachistochrone: minimum time to reach the target entangled state. Quantum Information Processing, 2012, 11, 841-851.	1.0	4
21	Quantum cobwebs: Universal entangling of quantum states. Pramana - Journal of Physics, 2002, 59, 221-228.	0.9	13
22	Probabilistic exact cloning and probabilistic no-signalling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 270, 103-107.	0.9	12
23	Impossibility of deleting an unknown quantum state. Nature, 2000, 404, 164-165.	13.7	108
24	Assisted cloning and orthogonal complementing of an unknown state. Physical Review A, 2000, 61, .	1.0	75
25	Impossibility of deleting an unknown quantum state. Nature, 2000, 404, 164-165.	13.7	122
26	Fluctuations, time-correlation functions, and geometric phase. Physical Review A, 1999, 60, 121-125.	1.0	7
27	Quantum Superposition of Multiple Clones and the Novel Cloning Machine. Physical Review Letters, 1999, 83, 2849-2852.	2.9	65
28	Uncertainty relation of Anandanâ€“Aharonov and intelligent states. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 262, 296-301.	0.9	17
29	Adiabatic Berry Phase and Hannay Angle for Open Paths. Annals of Physics, 1998, 270, 178-197.	1.0	27
30	Testing Bellâ€™s inequality using the Aharonov-Casher effect. Physical Review A, 1998, 58, R1-R3.	1.0	6
31	Limit on the frequency of measurements in the quantum Zeno effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 215, 7-13.	0.9	21
32	New derivation of the geometric phase. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 202, 40-45.	0.9	27
33	Geometric phase for a finite-dimensional Hilbert-space harmonic oscillator. Physical Review A, 1995, 51, 5012-5015.	1.0	2
34	Geometric aspects of noncyclic quantum evolutions. Physical Review A, 1995, 52, 2576-2584.	1.0	156
35	On phases and length of curves in a cyclic quantum evolution. Pramana - Journal of Physics, 1994, 42, 455-465.	0.9	7
36	Geometric phase with photon statistics and squeezed light for the dispersive fiber. Physical Review A, 1994, 49, 5131-5134.	1.0	16

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37	Interpretation of geometric phase via geometric distance and length during cyclic evolution. Physical Review A, 1993, 47, 98-104.	1.0	17
38	Relation between â€œphasesâ€•and â€œdistanceâ€•in quantum evolution. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 159, 105-112.	0.9	68