

Andrzej Grudka

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,457
citations

411340

20
h-index

371746

37
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56
all docs

56
docs citations

56
times ranked

1284
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum semipermeable barriers: Investigating Maxwell's demon toolbox. <i>Physical Review E</i> , 2021, 104, 064114.	0.8	0
2	Generalized XOR non-locality games with graph description on a square lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 265302.	0.7	0
3	Quantum error-correction codes and absolutely maximally entangled states. <i>Physical Review A</i> , 2020, 101, .	1.0	11
4	Closed timelike curves and the second law of thermodynamics. <i>Physical Review A</i> , 2019, 99, .	1.0	4
5	Conditional uncertainty principle. <i>Physical Review A</i> , 2018, 97, .	1.0	12
6	Do black holes create polyamory?. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	5
7	Measurement uncertainty from no-signaling and nonlocality. <i>Physical Review A</i> , 2017, 96, .	1.0	5
8	Amplifying the Randomness of Weak Sources Correlated With Devices. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 7592-7611.	1.5	7
9	Realistic noise-tolerant randomness amplification using finite number of devices. <i>Nature Communications</i> , 2016, 7, 11345.	5.8	45
10	Creating a Superposition of Unknown Quantum States. <i>Physical Review Letters</i> , 2016, 116, 110403.	2.9	43
11	Communication Strength of Correlations Violating Monogamy Relations. <i>Foundations of Physics</i> , 2016, 46, 620-634.	0.6	0
12	Quantum communication complexity advantage implies violation of a Bell inequality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3191-3196.	3.3	34
13	Axiomatic approach to contextuality and nonlocality. <i>Physical Review A</i> , 2015, 92, .	1.0	31
14	Nonsignaling quantum random access-code boxes. <i>Physical Review A</i> , 2015, 92, .	1.0	8
15	Simple scheme for encoding and decoding a qubit in unknown state for various topological codes. <i>Scientific Reports</i> , 2015, 5, 8975.	1.6	17
16	Entanglement witnessing and quantum cryptography with nonideal ferromagnetic detectors. <i>Physical Review B</i> , 2014, 89, .	1.1	38
17	Free randomness amplification using bipartite chain correlations. <i>Physical Review A</i> , 2014, 90, .	1.0	20
18	When Are Popescu-Rohrlich Boxes and Random Access Codes Equivalent?. <i>Physical Review Letters</i> , 2014, 113, 100401.	2.9	14

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19	Long-distance quantum communication over noisy networks without long-time quantum memory. <i>Physical Review A</i> , 2014, 90, .	1.0	16
20	Quantifying Contextuality. <i>Physical Review Letters</i> , 2014, 112, 120401.	2.9	81
21	On the problem of contextuality in macroscopic magnetization measurements. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 2856-2859.	0.9	1
22	Conjectured strong complementary-correlations tradeoff. <i>Physical Review A</i> , 2013, 88, .	1.0	15
23	Nonlocality activation in entanglement-swapping chains. <i>Physical Review A</i> , 2012, 86, .	1.0	23
24	Trapping a particle of a quantum walk on the line. <i>Physical Review A</i> , 2012, 85, .	1.0	63
25	Distillation of entanglement by projection on permutationally invariant subspaces. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 125303.	0.7	4
26	Postulates for measures of genuine multipartite correlations. <i>Physical Review A</i> , 2011, 83, .	1.0	67
27	Comment on "Information flow of quantum states interacting with closed timelike curves". <i>Physical Review A</i> , 2011, 84, .	1.0	2
28	Violation of Clauser's "Horne's" Shimony's "Holt inequality for states resulting from entanglement swapping. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4831-4833.	0.9	17
29	Nonadditivity of quantum and classical capacities for entanglement breaking multiple-access channels and the butterfly network. <i>Physical Review A</i> , 2010, 81, .	1.0	7
30	Constructive counterexamples to the additivity of the minimum output Rényi entropy of quantum channels for all $i > p < /i > \> 2$. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 425304.	0.7	18
31	Adaptive quantum teleportation. <i>Physical Review A</i> , 2009, 79, .	1.0	20
32	Entanglement purification protocol for a mixture of a pure entangled state and a pure product state. <i>Physical Review A</i> , 2009, 80, .	1.0	13
33	Entanglement-redistribution boxes. <i>Physical Review A</i> , 2008, 78, .	1.0	0
34	Entanglement-swapping boxes and their communication properties. <i>Physical Review A</i> , 2008, 77, .	1.0	3
35	Increasing singlet fraction with entanglement swapping. <i>Physical Review A</i> , 2008, 78, .	1.0	29
36	Optimal state in the Knill-Laflamme-Milburn scheme of linear optical teleportation. <i>Physical Review A</i> , 2008, 77, .	1.0	13

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37	Comparison of the relative entropy of entanglement and negativity. <i>Physical Review A</i> , 2008, 78, .	1.0	26
38	Nonmaximally Entangled States Can Be Better for Multiple Linear Optical Teleportation. <i>Physical Review Letters</i> , 2008, 100, 110503.	2.9	47
39	Is There Contextuality for a Single Qubit?. <i>Physical Review Letters</i> , 2008, 100, 160401.	2.9	8
40	Multuser quantum communication networks. <i>Physical Review A</i> , 2007, 75, .	1.0	71
41	Probabilistic coding of quantum states. <i>Physical Review A</i> , 2006, 74, .	1.0	2
42	Unmodulated spin chains as universal quantum wires. <i>Physical Review A</i> , 2005, 72, .	1.0	213
43	A comparative study of relative entropy of entanglement, concurrence and negativity. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, 542-548.	1.4	69
44	Ordering two-qubit states with concurrence and negativity. <i>Physical Review A</i> , 2004, 70, .	1.0	76
45	Quasiperiodic Dynamics of a Quantum Walk on the Line. <i>Physical Review Letters</i> , 2004, 93, 180601.	2.9	63
46	EXAMPLES OF NON-UNIFORM LIMITING DISTRIBUTIONS FOR THE QUANTUM WALK ON EVEN CYCLES. <i>International Journal of Quantum Information</i> , 2004, 02, 453-459.	0.6	13
47	Generation of Inequivalent Generalized Bell Bases. <i>Quantum Information Processing</i> , 2003, 2, 201-206.	1.0	11
48	Quantum walks on cycles. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 317, 21-25.	0.9	55
49	How to encode the states of two non-entangled qubits in one qutrit. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 314, 350-353.	0.9	16
50	Comment I on "Dense coding in entangled states". <i>Physical Review A</i> , 2003, 68, .	1.0	3
51	Projective measurement of the two-photon polarization state: Linear optics approach. <i>Physical Review A</i> , 2002, 66, .	1.0	13
52	Symmetric scheme for superdense coding between multiparties. <i>Physical Review A</i> , 2002, 66, .	1.0	64
53	Raman mixing of Rydberg angular momenta probed by photoelectron angular distributions. <i>Physical Review A</i> , 1999, 59, 893-896.	1.0	3
54	Ionization via high-Rydberg states with multiple V-type resonances. <i>Physical Review A</i> , 1998, 58, 1335-1345.	1.0	5

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55	Stabilization against ionization via high-Rydberg states. Physical Review A, 1997, 55, 2144-2154.	1.0	13