Hermann Kampermann

List of Publications by Year
in descending order

50	1,605	430874 18	302126 39
papers	citations	h-index	g-index

50	50	50	1120
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linking Quantum Discord to Entanglement in a Measurement. Physical Review Letters, 2011, 106, 160401.	7.8	251
2	Behavior of Quantum Correlations under Local Noise. Physical Review Letters, 2011, 107, 170502.	7.8	159
3	Quantum Cost for Sending Entanglement. Physical Review Letters, 2012, 108, 250501.	7.8	143
4	Multi-partite entanglement can speed up quantum key distribution in networks. New Journal of Physics, 2017, 19, 093012.	2.9	110
5	Maximal coherence and the resource theory of purity. New Journal of Physics, 2018, 20, 053058.	2.9	97
6	Linking a distance measure of entanglement to its convex roof. New Journal of Physics, 2010, 12, 123004.	2.9	72
7	Multipartite Entanglement Detection via Structure Factors. Physical Review Letters, 2009, 103, 100502.	7.8	65
8	Quantum Conference Key Agreement: A Review. Advanced Quantum Technologies, 2020, 3, 2000025.	3.9	55
9	Resource Theory of Coherence Based on Positive-Operator-Valued Measures. Physical Review Letters, 2019, 123, 110402.	7.8	52
10	Satellite-based links for quantum key distribution: beam effects and weather dependence. New Journal of Physics, 2019, 21, 093055.	2.9	50
11	Quantum repeaters and quantum key distribution: Analysis of secret-key rates. Physical Review A, 2013, 87, .	2.5	46
12	Conference key agreement with single-photon interference. New Journal of Physics, 2019, 21, 123002.	2.9	46
13	Finite-key effects in multipartite quantum key distribution protocols. New Journal of Physics, 2018, 20, 113014.	2.9	40
14	Large-scale quantum networks based on graphs. New Journal of Physics, 2016, 18, 053036.	2.9	38
15	Robust entanglement distribution via quantum network coding. New Journal of Physics, 2016, 18, 103052.	2.9	30
16	Quantum repeaters in space. New Journal of Physics, 2021, 23, 053021.	2.9	30
17	Experimental generation of pseudo-bound-entanglement. Physical Review A, 2010, 81, .	2.5	26
18	Finite key analysis for symmetric attacks in quantum key distribution. Physical Review A, 2006, 74, .	2.5	24

#	Article	IF	Citations
19	Genuine multipartite Bell inequality for device-independent conference key agreement. Physical Review Research, 2020, 2, .	3.6	20
20	Quantifying coherence with respect to general quantum measurements. Physical Review A, 2021, 103, .	2.5	19
21	Min-entropy and quantum key distribution: Nonzero key rates for â€œsmallâ€•numbers of signals. Physical Review A, 2011, 83, .	2.5	18
22	Algorithm for characterizing stochastic local operations and classical communication classes of multiparticle entanglement. Physical Review A, 2012, 86, .	2.5	18
23	Secret key rates for an encoded quantum repeater. Physical Review A, 2014, 89, .	2.5	17
24	Unambiguous discrimination of mixed quantum states: Optimal solution and case study. Physical Review A, 2010, 81, .	2.5	16
25	Designing Bell Inequalities from a Tsirelson Bound. Physical Review Letters, 2013, 111, 240404.	7.8	14
26	Quantum key distribution with finite resources: Secret key rates via RÃ©nyi entropies. Physical Review A, 2011, 84, .	2.5	12
27	Quantum key distribution with finite resources: Taking advantage of quantum noise. Physical Review A, 2013, 87, .	2.5	11
28	Limits for entanglement distribution with separable states. Physical Review A, 2014, 90, .	2.5	11
29	Propagation of generalized Pauli errors in qudit Clifford circuits. Physical Review A, 2018, 98, .	2.5	11
30	Entropy Bounds for Multiparty Device-Independent Cryptography. PRX Quantum, 2021, 2, .	9.2	11
31	Secret key rates for coherent attacks. Physical Review A, 2013, 87, .	2.5	9
32	Measurement-device-independent randomness generation with arbitrary quantum states. Physical Review A, 2017, 95, .	2.5	9
33	Detecting entanglement of unknown quantum states with random measurements. New Journal of Physics, 2015, 17, 113051.	2.9	8
34	Comment on â€œFully device-independent conference key agreementâ€• Physical Review A, 2019, 100, .	2.5	8
35	Genuine multipartite entanglement is not a precondition for secure conference key agreement. Physical Review Research, 2021, 3, .	3.6	8
36	On the error analysis of quantum repeaters with encoding. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	7

#	Article	IF	Citations
37	Device-Independent Bounds on Detection Efficiency. Physical Review Letters, 2017, 118, 260401.	7.8	7
38	Detecting entanglement of unknown continuous variable states with random measurements. New Journal of Physics, 2020, 22, 123041.	2.9	6
39	Group structures and representations of graph states. Physical Review A, 2015, 92, .	2.5	5
40	Analysis of quantum error correction with symmetric hypergraph states. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 125302.	2.1	5
41	Activation of Nonlocality in Bound Entanglement. Physical Review Letters, 2020, 124, 050401.	7.8	5
42	Entanglement Distribution and Quantum Discord. Quantum Science and Technology, 2017, , 217-230.	2.6	4
43	Optimal noise estimation from syndrome statistics of quantum codes. Physical Review Research, 2021, 3, .	3.6	3
44	Quantifying necessary quantum resources for nonlocality. Physical Review Research, 2022, 4, .	3.6	3
45	Hierarchy of continuous-variable quantum resource theories. New Journal of Physics, 2021, 23, 113008.	2.9	2
46	Parameter regimes for surpassing the PLOB bound with error-corrected qudit repeaters. Quantum - the Open Journal for Quantum Science, 0, 3, 216.	0.0	2
47	Quantum sign permutation polytopes. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 505306.	2.1	1
48	Finite-key analysis of the six-state protocol with photon number resolution detectors. , 2011, , .		1
49	Determination of the Relaxation Super Operator of ²³Na in a NaNO₃ Single Crystal by Using the I = 3/2 Nuclear Spin as a 2â€Qubit Quantum Processor. Israel Journal of Chemistry, 2006, 46, 399-405.	2.3	0
50	Revealing Quantum Entanglement via Locally Noneffective Operations. Lecture Notes in Computer Science, 2009, , 3-5.	1.3	0