Gilad Gour

List of Publications by Year
in descending order

60 papers	3,906 citations	185998 28 h-index	133063 59 g-index
60 all docs	60 docs citations	60 times ranked	1500 citing authors

#	Article	IF	Citations
1	What is entropy? A perspective from games of chance. Physical Review E, 2022, 105, 024117.	0.8	2
2	What Are the Minimal Conditions Required to Define a Symmetric Informationally Complete Generalized Measurement?. Physical Review Letters, 2021, 126, 100401.	2.9	6
3	Uncertainty principle of quantum processes. Physical Review Research, 2021, 3, .	1.3	6
4	Entropy of a quantum channel. Physical Review Research, 2021, 3, .	1.3	22
5	Entanglement of a bipartite channel. Physical Review A, 2021, 103, .	1.0	21
6	Entropy and Relative Entropy From Information-Theoretic Principles. IEEE Transactions on Information Theory, 2021, 67, 6313-6327.	1.5	11
7	Uniqueness and Optimality of Dynamical Extensions of Divergences. PRX Quantum, 2021, 2, .	3.5	8
8	Quantum Bell nonlocality as a form of entanglement. Physical Review A, 2021, 104, .	1.0	5
9	Dynamical Entanglement. Physical Review Letters, 2020, 125, 180505.	2.9	31
10	Entropy of a Quantum Channel: Definition, Properties, and Application. , 2020, , .		1
11	Optimal extensions of resource measures and their applications. Physical Review A, 2020, 102, .	1.0	9
12	Necessary and sufficient conditions on measurements of quantum channels. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190832.	1.0	9
13	Entanglement manipulation beyond local operations and classical communication. Journal of Mathematical Physics, 2020, 61, .	0.5	19
14	Dynamical resource theory of quantum coherence. Physical Review Research, 2020, 2, .	1.3	44
15	How to Quantify a Dynamical Quantum Resource. Physical Review Letters, 2019, 123, 150401.	2.9	59
16	Monogamy of the entanglement of formation. Physical Review A, 2019, 99, .	1.0	29
17	Comparison of Quantum Channels by Superchannels. IEEE Transactions on Information Theory, 2019, 65, 5880-5904.	1.5	74
18	Quantum resource theories. Reviews of Modern Physics, 2019, 91, .	16.4	614

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19	Quantifying Memory Capacity as a Quantum Thermodynamic Resource. Physical Review Letters, 2019, 122, 060601.	2.9	8
20	Conditional uncertainty principle. Physical Review A, 2018, 97, .	1.0	12
21	Quantum majorization and a complete set of entropic conditions for quantum thermodynamics. Nature Communications, 2018, 9, 5352.	5.8	87
22	Transformations among Pure Multipartite Entangled States via Local Operations are Almost Never Possible. Physical Review X, 2018, 8, .	2.8	31
23	Quantifying the imaginarity of quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 414009.	0.7	35
24	Quantification and manipulation of magic states. Physical Review A, 2018, 97, .	1.0	24
25	Quantum relative Lorenz curves. Physical Review A, 2017, 95, .	1.0	41
26	Additive Bounds of Minimum Output Entropies for Unital Channels and an Exact Qubit Formula. IEEE Transactions on Information Theory, 2017, 63, 1818-1828.	1.5	3
27	Resource theory under conditioned thermal operations. Physical Review A, 2017, 95, .	1.0	6
28	The minimum RÃ©nyi entropy output of a quantum channel is locally additive. Letters in Mathematical Physics, 2017, 107, 1131-1155.	0.5	1
29	Quantum resource theories in the single-shot regime. Physical Review A, 2017, 95, .	1.0	56
30	Almost all multipartite qubit quantum states have trivial stabilizer. Journal of Mathematical Physics, 2017, 58, .	0.5	21
31	Comparison of incoherent operations and measures of coherence. Physical Review A, 2016, 94, .	1.0	185
32	Uncertainty, joint uncertainty, and the quantum uncertainty principle. New Journal of Physics, 2016, 18, 033019.	1.2	16
33	Critical Examination of Incoherent Operations and a Physically Consistent Resource Theory of Quantum Coherence. Physical Review Letters, 2016, 117, 030401.	2.9	244
34	Reversible Framework for Quantum Resource Theories. Physical Review Letters, 2015, 115, 070503.	2.9	269
35	Low-temperature thermodynamics with quantum coherence. Nature Communications, 2015, 6, 7689.	5.8	215
36	The resource theory of informational nonequilibrium in thermodynamics. Physics Reports, 2015, 583, 1-58.	10.3	269

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37	Construction of all general symmetric informationally complete measurements. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 335302.	0.7	55
38	Mutually unbiased measurements in finite dimensions. New Journal of Physics, 2014, 16, 053038.	1.2	69
39	On convex optimization problems in quantum information theory. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 505302.	0.7	19
40	Classification of Multipartite Entanglement of All Finite Dimensionality. Physical Review Letters, 2013, 111, 060502.	2.9	64
41	Universal Uncertainty Relations. Physical Review Letters, 2013, 111, 230401.	2.9	127
42	The Minimum Entropy Output of a Quantum Channel Is Locally Additive. IEEE Transactions on Information Theory, 2013, 59, 603-614.	1.5	8
43	Alignment of reference frames and an operational interpretation for theG-asymmetry. New Journal of Physics, 2012, 14, 073022.	1.2	31
44	Simulating symmetric time evolution with local operations. New Journal of Physics, 2012, 14, 123026.	1.2	8
45	Multipartite entanglement evolution under separable operations. Physical Review A, 2012, 86, .	1.0	10
46	Reducing the Quantum Communication Cost of Quantum Secret Sharing. IEEE Transactions on Information Theory, 2012, 58, 6659-6666.	1.5	29
47	Limitations to sharing entanglement. Contemporary Physics, 2012, 53, 417-432.	0.8	50
48	Constructing monotones for quantum phase references in totally dephasing channels. Physical Review A, 2011, 84, .	1.0	23
49	Necessary and sufficient conditions for local manipulation of multipartite pure quantum states. New Journal of Physics, 2011, 13, 073013.	1.2	41
50	An explicit expression for the relative entropy of entanglement in all dimensions. Journal of Mathematical Physics, 2011, 52, .	0.5	24
51	Evolution and Symmetry of Multipartite Entanglement. Physical Review Letters, 2010, 105, 190504.	2.9	34
52	All maximally entangled four-qubit states. Journal of Mathematical Physics, 2010, 51, .	0.5	99
53	Time-reversal frameness and superselection. Journal of Mathematical Physics, 2009, 50, 102105.	0.5	2
54	Measuring the quality of a quantum reference frame: The relative entropy of frameness. Physical Review A, 2009, 80, .	1.0	156

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55	Polygamy of distributed entanglement. Physical Review A, 2009, 80, .	1.0	53
56	The resource theory of quantum reference frames: manipulations and monotones. New Journal of Physics, 2008, 10, 033023.	1.2	290
57	Entanglement of subspaces and error-correcting codes. Physical Review A, 2007, 76, .	1.0	21
58	Family of concurrence monotones and its applications. Physical Review A, 2005, 71, .	1.0	108
59	Infinite number of conditions for local mixed-state manipulations. Physical Review A, 2005, 72, .	1.0	16
60	Thermal fluctuations and black-hole entropy. Classical and Quantum Gravity, 2003, 20, 3307-3326.	1.5	76