

# Gilad Gour

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4737765/publications.pdf>

Version: 2024-02-01

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	Quantum resource theories. <i>Reviews of Modern Physics</i> , 2019, 91, .	16.4	614
2	The resource theory of quantum reference frames: manipulations and monotones. <i>New Journal of Physics</i> , 2008, 10, 033023.	1.2	290
3	Reversible Framework for Quantum Resource Theories. <i>Physical Review Letters</i> , 2015, 115, 070503.	2.9	269
4	The resource theory of informational nonequilibrium in thermodynamics. <i>Physics Reports</i> , 2015, 583, 1-58.	10.3	269
5	Critical Examination of Incoherent Operations and a Physically Consistent Resource Theory of Quantum Coherence. <i>Physical Review Letters</i> , 2016, 117, 030401.	2.9	244
6	Low-temperature thermodynamics with quantum coherence. <i>Nature Communications</i> , 2015, 6, 7689.	5.8	215
7	Comparison of incoherent operations and measures of coherence. <i>Physical Review A</i> , 2016, 94, .	1.0	185
8	Measuring the quality of a quantum reference frame: The relative entropy of frameness. <i>Physical Review A</i> , 2009, 80, .	1.0	156
9	Universal Uncertainty Relations. <i>Physical Review Letters</i> , 2013, 111, 230401.	2.9	127
10	Family of concurrence monotones and its applications. <i>Physical Review A</i> , 2005, 71, .	1.0	108
11	All maximally entangled four-qubit states. <i>Journal of Mathematical Physics</i> , 2010, 51, .	0.5	99
12	Quantum majorization and a complete set of entropic conditions for quantum thermodynamics. <i>Nature Communications</i> , 2018, 9, 5352.	5.8	87
13	Thermal fluctuations and black-hole entropy. <i>Classical and Quantum Gravity</i> , 2003, 20, 3307-3326.	1.5	76
14	Comparison of Quantum Channels by Superchannels. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 5880-5904.	1.5	74
15	Mutually unbiased measurements in finite dimensions. <i>New Journal of Physics</i> , 2014, 16, 053038.	1.2	69
16	Classification of Multipartite Entanglement of All Finite Dimensionality. <i>Physical Review Letters</i> , 2013, 111, 060502.	2.9	64
17	How to Quantify a Dynamical Quantum Resource. <i>Physical Review Letters</i> , 2019, 123, 150401.	2.9	59
18	Quantum resource theories in the single-shot regime. <i>Physical Review A</i> , 2017, 95, .	1.0	56

#	ARTICLE	IF	CITATIONS
19	Construction of all general symmetric informationally complete measurements. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 335302.	0.7	55
20	Polygamy of distributed entanglement. Physical Review A, 2009, 80, .	1.0	53
21	Limitations to sharing entanglement. Contemporary Physics, 2012, 53, 417-432.	0.8	50
22	Dynamical resource theory of quantum coherence. Physical Review Research, 2020, 2, .	1.3	44
23	Necessary and sufficient conditions for local manipulation of multipartite pure quantum states. New Journal of Physics, 2011, 13, 073013.	1.2	41
24	Quantum relative Lorenz curves. Physical Review A, 2017, 95, .	1.0	41
25	Quantifying the imaginarity of quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 414009.	0.7	35
26	Evolution and Symmetry of Multipartite Entanglement. Physical Review Letters, 2010, 105, 190504.	2.9	34
27	Alignment of reference frames and an operational interpretation for the G-asymmetry. New Journal of Physics, 2012, 14, 073022.	1.2	31
28	Transformations among Pure Multipartite Entangled States via Local Operations are Almost Never Possible. Physical Review X, 2018, 8, .	2.8	31
29	Dynamical Entanglement. Physical Review Letters, 2020, 125, 180505.	2.9	31
30	Reducing the Quantum Communication Cost of Quantum Secret Sharing. IEEE Transactions on Information Theory, 2012, 58, 6659-6666.	1.5	29
31	Monogamy of the entanglement of formation. Physical Review A, 2019, 99, .	1.0	29
32	An explicit expression for the relative entropy of entanglement in all dimensions. Journal of Mathematical Physics, 2011, 52, .	0.5	24
33	Quantification and manipulation of magic states. Physical Review A, 2018, 97, .	1.0	24
34	Constructing monotones for quantum phase references in totally dephasing channels. Physical Review A, 2011, 84, .	1.0	23
35	Entropy of a quantum channel. Physical Review Research, 2021, 3, .	1.3	22
36	Entanglement of subspaces and error-correcting codes. Physical Review A, 2007, 76, .	1.0	21

#	ARTICLE	IF	CITATIONS
37	Entanglement of a bipartite channel. <i>Physical Review A</i> , 2021, 103, .	1.0	21
38	Almost all multipartite qubit quantum states have trivial stabilizer. <i>Journal of Mathematical Physics</i> , 2017, 58, .	0.5	21
39	On convex optimization problems in quantum information theory. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 505302.	0.7	19
40	Entanglement manipulation beyond local operations and classical communication. <i>Journal of Mathematical Physics</i> , 2020, 61, .	0.5	19
41	Infinite number of conditions for local mixed-state manipulations. <i>Physical Review A</i> , 2005, 72, .	1.0	16
42	Uncertainty, joint uncertainty, and the quantum uncertainty principle. <i>New Journal of Physics</i> , 2016, 18, 033019.	1.2	16
43	Conditional uncertainty principle. <i>Physical Review A</i> , 2018, 97, .	1.0	12
44	Entropy and Relative Entropy From Information-Theoretic Principles. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 6313-6327.	1.5	11
45	Multipartite entanglement evolution under separable operations. <i>Physical Review A</i> , 2012, 86, .	1.0	10
46	Optimal extensions of resource measures and their applications. <i>Physical Review A</i> , 2020, 102, .	1.0	9
47	Necessary and sufficient conditions on measurements of quantum channels. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190832.	1.0	9
48	Simulating symmetric time evolution with local operations. <i>New Journal of Physics</i> , 2012, 14, 123026.	1.2	8
49	The Minimum Entropy Output of a Quantum Channel Is Locally Additive. <i>IEEE Transactions on Information Theory</i> , 2013, 59, 603-614.	1.5	8
50	Quantifying Memory Capacity as a Quantum Thermodynamic Resource. <i>Physical Review Letters</i> , 2019, 122, 060601.	2.9	8
51	Uniqueness and Optimality of Dynamical Extensions of Divergences. <i>PRX Quantum</i> , 2021, 2, .	3.5	8
52	Resource theory under conditioned thermal operations. <i>Physical Review A</i> , 2017, 95, .	1.0	6
53	What Are the Minimal Conditions Required to Define a Symmetric Informationally Complete Generalized Measurement?. <i>Physical Review Letters</i> , 2021, 126, 100401.	2.9	6
54	Uncertainty principle of quantum processes. <i>Physical Review Research</i> , 2021, 3, .	1.3	6

#	ARTICLE	IF	CITATIONS
55	Quantum Bell nonlocality as a form of entanglement. Physical Review A, 2021, 104, .	1.0	5
56	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
57	Time-reversal frameness and superselection. Journal of Mathematical Physics, 2009, 50, 102105.	0.5	2
58	What is entropy? A perspective from games of chance. Physical Review E, 2022, 105, 024117.	0.8	2
59	The minimum Rényi entropy output of a quantum channel is locally additive. Letters in Mathematical Physics, 2017, 107, 1131-1155.	0.5	1
60	Entropy of a Quantum Channel: Definition, Properties, and Application. , 2020, , .		1