Giacomo De Palma

List of Publications by Year
in descending order

28	528	567281	677142
papers	citations	15	22
		h-index	g-index

28	28	28	296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Minimum error probability of quantum illumination. Physical Review A, 2018, 98, .	2.5	54
2	Necessity of Eigenstate Thermalization. Physical Review Letters, 2015, 115, 220401.	7.8	38
3	Experiments testing macroscopic quantum superpositions must be slow. Scientific Reports, 2016, 6, 22777.	3.3	36
4	A generalization of the entropy power inequality to bosonic quantum systems. Nature Photonics, 2014, 8, 958-964.	31.4	35
5	The Quantum Wasserstein Distance of Order 1. IEEE Transactions on Information Theory, 2021, 67, 6627-6643.	2.4	34
6	Passive States Optimize the Output of Bosonic Gaussian Quantum Channels. IEEE Transactions on Information Theory, 2016, 62, 2895-2906.	2.4	31
7	Gaussian States Minimize the Output Entropy of the One-Mode Quantum Attenuator. IEEE Transactions on Information Theory, 2017, 63, 728-737.	2.4	26
8	Multimode quantum entropy power inequality. Physical Review A, 2015, 91, .	2.5	25
9	Gaussian States Minimize the Output Entropy of One-Mode Quantum Gaussian Channels. Physical Review Letters, 2017, 118, 160503.	7.8	24
10	The Conditional Entropy Power Inequality for Bosonic Quantum Systems. Communications in Mathematical Physics, 2018, 360, 639-662.	2.2	24
11	Normal form decomposition for Gaussian-to-Gaussian superoperators. Journal of Mathematical Physics, 2015, 56, 052202.	1.1	22
12	Quantum Optimal Transport with Quantum Channels. Annales Henri Poincare, 2021, 22, 3199-3234.	1.7	22
13	Universal locality of quantum thermal susceptibility. Physical Review A, 2017, 95, .	2.5	21
14	Gaussian optimizers for entropic inequalities in quantum information. Journal of Mathematical Physics, 2018, 59, .	1.1	20
15	The Wehrl entropy has Gaussian optimizers. Letters in Mathematical Physics, 2018, 108, 97-116.	1.1	17
16	Learning quantum data with the quantum earth mover's distance. Quantum Science and Technology, 2022, 7, 045002.	5.8	17
17	Passive states as optimal inputs for single-jump lossy quantum channels. Physical Review A, 2016, 93, .	2.5	12
18	The conditional entropy power inequality for quantum additive noise channels. Journal of Mathematical Physics, 2018, 59, 122201.	1.1	11

#	Article	IF	Citations
19	Classical capacity of Gaussian thermal memory channels. Physical Review A, 2014, 90, .	2.5	10
20	Optimal quantum state discrimination via nested binary measurements. Physical Review A, 2017, 95, .	2.5	10
21	New Lower Bounds to the Output Entropy of Multi-Mode Quantum Gaussian Channels. IEEE Transactions on Information Theory, 2019, 65, 5959-5968.	2.4	8
22	Uncertainty relations with quantum memory for the Wehrl entropy. Letters in Mathematical Physics, 2018, 108, 2139-2152.	1.1	6
23	The One-Mode Quantum-Limited Gaussian Attenuator and Amplifier Have GaussianMaximizers. Annales Henri Poincare, 2018, 19, 2919-2953.	1.7	6
24	The entropy power inequality with quantum conditioning. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 08LT03.	2.1	6
25	Quantum advantage for differential equation analysis. Physical Review A, 2022, 105, .	2.5	5
26	A non-perturbative argument for the non-abelian Higgs mechanism. Annals of Physics, 2013, 336, 112-117.	2.8	4
27	The squashed entanglement of the noiseless quantum Gaussian attenuator and amplifier. Journal of Mathematical Physics, 2019, 60, 112201.	1.1	3
28	Counterintuitive effect of gravity on the heat capacity of a solid sphere: Re-examination of a well-known problem. American Journal of Physics, 2015, 83, 723-729.	0.7	1