

Giacomo De Palma

List of Publications by Year in descending order

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all docs

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#	ARTICLE	IF	CITATIONS
1	Quantum advantage for differential equation analysis. <i>Physical Review A</i> , 2022, 105, .	2.5	5
2	Learning quantum data with the quantum earth mover's distance. <i>Quantum Science and Technology</i> , 2022, 7, 045002.	5.8	17
3	Quantum Optimal Transport with Quantum Channels. <i>Annales Henri Poincare</i> , 2021, 22, 3199-3234.	1.7	22
4	The Quantum Wasserstein Distance of Order 1. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 6627-6643.	2.4	34
5	New Lower Bounds to the Output Entropy of Multi-Mode Quantum Gaussian Channels. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 5959-5968.	2.4	8
6	The squashed entanglement of the noiseless quantum Gaussian attenuator and amplifier. <i>Journal of Mathematical Physics</i> , 2019, 60, 112201.	1.1	3
7	The entropy power inequality with quantum conditioning. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 08LT03.	2.1	6
8	Uncertainty relations with quantum memory for the Wehrl entropy. <i>Letters in Mathematical Physics</i> , 2018, 108, 2139-2152.	1.1	6
9	The Wehrl entropy has Gaussian optimizers. <i>Letters in Mathematical Physics</i> , 2018, 108, 97-116.	1.1	17
10	The conditional entropy power inequality for quantum additive noise channels. <i>Journal of Mathematical Physics</i> , 2018, 59, 122201.	1.1	11
11	Gaussian optimizers for entropic inequalities in quantum information. <i>Journal of Mathematical Physics</i> , 2018, 59, .	1.1	20
12	Minimum error probability of quantum illumination. <i>Physical Review A</i> , 2018, 98, .	2.5	54
13	The One-Mode Quantum-Limited Gaussian Attenuator and Amplifier Have Gaussian Maximizers. <i>Annales Henri Poincare</i> , 2018, 19, 2919-2953.	1.7	6
14	The Conditional Entropy Power Inequality for Bosonic Quantum Systems. <i>Communications in Mathematical Physics</i> , 2018, 360, 639-662.	2.2	24
15	Gaussian States Minimize the Output Entropy of the One-Mode Quantum Attenuator. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 728-737.	2.4	26
16	Optimal quantum state discrimination via nested binary measurements. <i>Physical Review A</i> , 2017, 95, .	2.5	10
17	Universal locality of quantum thermal susceptibility. <i>Physical Review A</i> , 2017, 95, .	2.5	21
18	Gaussian States Minimize the Output Entropy of One-Mode Quantum Gaussian Channels. <i>Physical Review Letters</i> , 2017, 118, 160503.	7.8	24

#	ARTICLE	IF	CITATIONS
19	Passive States Optimize the Output of Bosonic Gaussian Quantum Channels. IEEE Transactions on Information Theory, 2016, 62, 2895-2906.	2.4	31
20	Passive states as optimal inputs for single-jump lossy quantum channels. Physical Review A, 2016, 93, .	2.5	12
21	Experiments testing macroscopic quantum superpositions must be slow. Scientific Reports, 2016, 6, 22777.	3.3	36
22	Necessity of Eigenstate Thermalization. Physical Review Letters, 2015, 115, 220401.	7.8	38
23	Multimode quantum entropy power inequality. Physical Review A, 2015, 91, .	2.5	25
24	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
25	Normal form decomposition for Gaussian-to-Gaussian superoperators. Journal of Mathematical Physics, 2015, 56, 052202.	1.1	22
26	Classical capacity of Gaussian thermal memory channels. Physical Review A, 2014, 90, .	2.5	10
27	A generalization of the entropy power inequality to bosonic quantum systems. Nature Photonics, 2014, 8, 958-964.	31.4	35
28	A non-perturbative argument for the non-abelian Higgs mechanism. Annals of Physics, 2013, 336, 112-117.	2.8	4