

Tony John George Apollaro

List of Publications by Year in descending order

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44
papers

1,302
citations

394421
19
h-index

345221
36
g-index

44
all docs

44
docs citations

44
times ranked

838
citing authors

#	ARTICLE	IF	CITATIONS
19	Many-qubit quantum state transfer via spin chains. Physica Scripta, 2015, T165, 014036.	2.5	21
20	Manipulating and protecting entanglement by means of spin environments. New Journal of Physics, 2010, 12, 083046.	2.9	20
21	Quantum Critical Scaling under Periodic Driving. Scientific Reports, 2017, 7, 5672.	3.3	19
22	Spin chains for two-qubit teleportation. Physical Review A, 2019, 100, .	2.5	19
23	Perturbative many-body transfer. New Journal of Physics, 2020, 22, 033030.	2.9	19
24	Work statistics, irreversible heat and correlations build-up in joining two spin chains. Physica Scripta, 2015, T165, 014023.	2.5	15
25	Entanglement entropy in a periodically driven quantum Ising ring. Physical Review B, 2016, 94, .	3.2	15
26	Staggered magnetization and entanglement enhancement by magnetic impurities in a $S=1/2$ spin chain. Physical Review A, 2008, 77, .	2.5	14
27	Remnants of Anderson localization in prethermalization induced by white noise. Physical Review B, 2018, 98, .	3.2	13
28	Local quench, Majorana zero modes, and disturbance propagation in the Ising chain. Physical Review B, 2016, 94, .	3.2	12
29	Dimensionality-enhanced quantum state transfer in long-range-interacting spin systems. Physical Review A, 2020, 101, .	2.5	11
30	Efficient Quantum Information Transfer through a Uniform Channel. Nanomaterials and Nanotechnology, 2011, 1, 2.	3.0	10
31	Effective cutting of a quantum spin chain by bond impurities. Physical Review A, 2013, 88, .	2.5	10
32	Multipartite entanglement transfer in spin chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126306.	2.1	9
33	2-qubit quantum state transfer in spin chains and cold atoms with weak links. International Journal of Quantum Information, 2017, 15, 1750037.	1.1	8
34	Quantum Information Storage in the Localized State of a Spin Chain. Open Systems and Information Dynamics, 2007, 14, 41-51.	1.2	7
35	Irreversible work versus fidelity susceptibility for infinitesimal quenches. International Journal of Modern Physics B, 2017, 31, 1750065.	2.0	7
36	Universal scaling for the quantum Ising chain with a classical impurity. Physical Review B, 2017, 96, .	3.2	7

#	ARTICLE	IF	CITATIONS
37	ENTANGLEMENT MODULATION IN A SPIN CHAIN BY A LOCAL IMPURITY. International Journal of Quantum Information, 2008, 06, 567-573.	1.1	3
38	Variational quantum eigensolver for SU(N) fermions. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 265301.	2.1	2
39	The role of localizable concurrence in quantum teleportation protocols. International Journal of Quantum Information, 2021, 19, .	1.1	1
40	Two-Excitation Routing via Linear Quantum Channels. Entropy, 2021, 23, 51.	2.2	1
41	Injected coherence in the tunneling of ultracold atoms through a two-photon mazer in the squeezed vacuum and coherent field distributions. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 894.	2.1	1
42	Storage and transmission of entanglement in a spin chain. , 2009, , .		0
43	Coexistence of Different Scaling Laws for the Entanglement Entropy in a Periodically Driven System. Proceedings (mdpi), 2019, 12, .	0.2	0
44	Quantum Thermodynamics at Impurity Quantum Phase Transitions. Springer Proceedings in Physics, 2020, , 361-373.	0.2	0