

Tony John George Apollaro

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,302
citations

394286

19
h-index

345118

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. <i>Physica Scripta</i> , 2015, T165, 014036.	1.2	21
20	Manipulating and protecting entanglement by means of spin environments. <i>New Journal of Physics</i> , 2010, 12, 083046.	1.2	20
21	Quantum Critical Scaling under Periodic Driving. <i>Scientific Reports</i> , 2017, 7, 5672.	1.6	19
22	Spin chains for two-qubit teleportation. <i>Physical Review A</i> , 2019, 100, .	1.0	19
23	Perturbative many-body transfer. <i>New Journal of Physics</i> , 2020, 22, 033030.	1.2	19
24	Work statistics, irreversible heat and correlations build-up in joining two spin chains. <i>Physica Scripta</i> , 2015, T165, 014023.	1.2	15
25	Entanglement entropy in a periodically driven quantum Ising ring. <i>Physical Review B</i> , 2016, 94, .	1.1	15
26	Staggered magnetization and entanglement enhancement by magnetic impurities in a $S=1/2$ spin chain. <i>Physical Review A</i> , 2008, 77, .	1.0	14
27	Remnants of Anderson localization in prethermalization induced by white noise. <i>Physical Review B</i> , 2018, 98, .	1.1	13
28	Local quench, Majorana zero modes, and disturbance propagation in the Ising chain. <i>Physical Review B</i> , 2016, 94, .	1.1	12
29	Dimensionality-enhanced quantum state transfer in long-range-interacting spin systems. <i>Physical Review A</i> , 2020, 101, .	1.0	11
30	Efficient Quantum Information Transfer through a Uniform Channel. <i>Nanomaterials and Nanotechnology</i> , 2011, 1, 2.	1.2	10
31	Effective cutting of a quantum spin chain by bond impurities. <i>Physical Review A</i> , 2013, 88, .	1.0	10
32	Multipartite entanglement transfer in spin chains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126306.	0.9	9
33	2-qubit quantum state transfer in spin chains and cold atoms with weak links. <i>International Journal of Quantum Information</i> , 2017, 15, 1750037.	0.6	8
34	Quantum Information Storage in the Localized State of a Spin Chain. <i>Open Systems and Information Dynamics</i> , 2007, 14, 41-51.	0.5	7
35	Irreversible work versus fidelity susceptibility for infinitesimal quenches. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750065.	1.0	7
36	Universal scaling for the quantum Ising chain with a classical impurity. <i>Physical Review B</i> , 2017, 96, .	1.1	7

#	ARTICLE	IF	CITATIONS
37	ENTANGLEMENT MODULATION IN A SPIN CHAIN BY A LOCAL IMPURITY. International Journal of Quantum Information, 2008, 06, 567-573.	0.6	3
38	Variational quantum eigensolver for SU(N) fermions. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 265301.	0.7	2
39	The role of localizable concurrence in quantum teleportation protocols. International Journal of Quantum Information, 2021, 19, .	0.6	1
40	Two-Excitation Routing via Linear Quantum Channels. Entropy, 2021, 23, 51.	1.1	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.	0.9	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.	0.1	0