

Domenico Giuliano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7967388/publications.pdf>

Version: 2024-02-01

46
papers

789
citations

394421

19
h-index

552781

26
g-index

47
all docs

47
docs citations

47
times ranked

455
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbit coupling and anomalous Josephson effect in nanowires. Journal of Physics Condensed Matter, 2015, 27, 205301.	1.8	67
2	Topological superconductor-Luttinger liquid junctions. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P06011.	2.3	52
3	Y-junction of superconducting Josephson chains. Nuclear Physics B, 2009, 811, 395-419.	2.5	47
4	Effective boundary field theory for a Josephson junction chain with a weak link. Nuclear Physics B, 2005, 711, 480-504.	2.5	39
5	Frustration of decoherence in Y-shaped superconducting Josephson networks. New Journal of Physics, 2008, 10, 093023.	2.9	35
6	Anomalous Josephson effect in S/SO/F/S heterostructures. Physical Review B, 2018, 98, .	3.2	29
7	Persistent current and zero-energy Majorana modes in a p -wave disordered superconducting ring. Physical Review B, 2017, 95, .	3.2	27
8	Quantum Interference of Electrons in a Ring: Tuning of the Geometrical Phase. Physical Review Letters, 2005, 95, 226803.	7.8	26
9	Competing boundary interactions in a Josephson junction network with an impurity. Nuclear Physics B, 2010, 837, 153-185.	2.5	24
10	Screening Clouds and Majorana Fermions. Journal of Statistical Physics, 2014, 157, 666-691.	1.2	23
11	Entanglement in a spin system with inverse square statistical interaction. New Journal of Physics, 2010, 12, 025022.	2.9	22
12	Enhanced coherence of a quantum doublet coupled to Tomonaga-Luttinger liquid leads. Nuclear Physics B, 2011, 852, 235-268.	2.5	22
13	From four- to two-channel Kondo effect in junctions of XY spin chains. Nuclear Physics B, 2016, 909, 135-172.	2.5	22
14	Boundary field theory approach to the renormalization of SQUID devices. Nuclear Physics B, 2007, 770, 332-370.	2.5	21
15	The Josephson current through a long quantum wire. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P02034.	2.3	21
16	Current transport properties and phase diagram of a Kitaev chain with long-range pairing. Physical Review B, 2018, 97, .	3.2	21
17	Pairing of Cooper pairs in a Josephson junction network containing an impurity. Europhysics Letters, 2009, 88, 17012.	2.0	20
18	XXZ spin-1/2 representation of a finite-U Bose-Hubbard chain at half-integer filling. Physical Review B, 2013, 87, .	3.2	20

#	ARTICLE	IF	CITATIONS
19	Transfer matrix approach to the persistent current in quantum rings: Application to hybrid normal-superconducting rings. <i>Physical Review B</i> , 2016, 94, .	3.2	20
20	Quantum rings with Rashba spin-orbit coupling: A path-integral approach. <i>Physical Review B</i> , 2007, 76, .	3.2	19
21	Realization of a two-channel Kondo model with Josephson junction networks. <i>Europhysics Letters</i> , 2013, 103, 57006.	2.0	19
22	Lindblad equation approach to the determination of the optimal working point in nonequilibrium stationary states of an interacting electronic one-dimensional system: Application to the spinless Hubbard chain in the clean and in the weakly disordered limit. <i>Physical Review B</i> , 2021, 103, .	3.2	14
23	Dual fermionic variables and renormalization group approach to junctions of strongly interacting quantum wires. <i>Physical Review B</i> , 2015, 92, .	3.2	13
24	Violation of the Wiedemann-Franz law in the topological Kondo model. <i>Physical Review B</i> , 2022, 105, .	3.2	13
25	Junction of three off-critical quantum Ising chains and two-channel Kondo effect in a superconductor. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	12
26	Tunable spin/charge Kondo effect at a double superconducting island connected to two spinless quantum wires. <i>Physical Review B</i> , 2020, 101, .	3.2	12
27	Equivalent critical behavior of a helical point contact and a two-channel Luttinger liquid "topological superconductor junction. <i>Physical Review Research</i> , 2020, 2, .	3.6	12
28	dc Josephson current in a long multichannel quantum wire. <i>Physical Review B</i> , 2014, 90, .	3.2	11
29	Multiparticle scattering and breakdown of the Wiedemann-Franz law at a junction of N interacting quantum wires. <i>Physical Review B</i> , 2022, 105, .	3.2	11
30	Tunable Kondo screening length at a Y-junction of three inhomogeneous spin chains. <i>Nuclear Physics B</i> , 2020, 960, 115192.	2.5	10
31	Real fermion modes, impurity entropy, and nontrivial fixed points in the phase diagram of junctions of interacting quantum wires and topological superconductors. <i>Nuclear Physics B</i> , 2019, 944, 114645.	2.5	9
32	Josephson current in a quantum dot in the Kondo regime connected to two superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 406, 1-8.	1.2	8
33	Chirality and current-current correlation in fractional quantum Hall systems. <i>Physical Review B</i> , 2016, 93, .	3.2	8
34	Universal scaling for the quantum Ising chain with a classical impurity. <i>Physical Review B</i> , 2017, 96, .	3.2	7
35	Kondo length in bosonic lattices. <i>Physical Review A</i> , 2017, 96, .	2.5	7
36	Interplay between singlet and triplet pairings in multiband two-dimensional oxide superconductors. <i>Physical Review B</i> , 2021, 104, .	3.2	7

#	ARTICLE	IF	CITATIONS
37	Topological Defects in Topological Insulators and Bound States at Topological Superconductor Vortices. <i>Materials</i> , 2014, 7, 1652-1686.	2.9	6
38	From Kondo effect to weak-link regime in quantum spin- $\frac{1}{2}$ spin chains. <i>Physical Review B</i> , 2018, 98, .	3.4	3
39	Analytical and cellular automaton approach to a generalized SEIR model for infection spread in an open crowded space. <i>Physical Review Research</i> , 2020, 2, .	3.6	6
40	Traffic models and traffic-jam transition in quantum (N+1)-level systems. <i>SciPost Physics Core</i> , 2022, 5, .	2.8	6
41	Thermal transport driven by charge imbalance in graphene in a magnetic field close to the charge neutrality point at low temperature: Nonlocal resistance. <i>Physical Review B</i> , 2019, 99, .	3.2	5
42	Hamiltonian theory of the strongly coupled limit of the Kondo problem in the overscreened case. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 6075-6098.	1.8	3
43	Quasi-one-dimensional He_4 in nanopores. <i>Physical Review B</i> , 2022, 105, .	3.2	2
44	Out of equilibrium charge transport in molecular electronic devices. <i>Journal of Physics: Conference Series</i> , 2022, 2164, 012051.	0.4	2
45	Local Probe of the Kondo Length at a Y-Junction of Critical Quantum Ising Chains. <i>Springer Proceedings in Physics</i> , 2020, , 195-215.	0.2	0
46	Finite-temperature corrections to the Lorenz ratio at the N = 3 topological Kondo fixed point. <i>Journal of Physics: Conference Series</i> , 2022, 2164, 012060.	0.4	0