

Leonardo Mazza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5627921/publications.pdf>

Version: 2024-02-01

39
papers

1,593
citations

331259

21
h-index

301761

39
g-index

40
all docs

40
docs citations

40
times ranked

1544
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic formation of trimers and multimers in a spinless fermionic chain. <i>Physical Review B</i> , 2022, 105, .	1.1	2
2	Eightfold way to dark states in SU(3) cold gases with two-body losses. <i>Physical Review A</i> , 2022, 105, .	1.0	7
3	Pairing in spinless fermions and spin chains with next-nearest neighbor interactions. <i>Physical Review Research</i> , 2021, 3, .	1.3	8
4	Two-Fluid Coexistence in a Spinless Fermions Chain with Pair Hopping. <i>Physical Review Letters</i> , 2021, 126, 206805.	2.9	8
5	Two-fluid coexistence and phase separation in a one-dimensional model with pair hopping and density interactions. <i>Physical Review B</i> , 2021, 104, .	1.1	7
6	One-dimensional spin-1/2 fermionic gases with two-body losses: Weak dissipation and spin conservation. <i>Physical Review A</i> , 2021, 104, .	1.0	8
7	Dissipative flow equations. <i>SciPost Physics</i> , 2020, 9, .	1.5	10
8	Ballistic transport and boundary resistances in inhomogeneous quantum spin chains. <i>Nature Communications</i> , 2019, 10, 4820.	5.8	25
9	and 4π dual Josephson effects induced by symmetry defects. <i>Physical Review B</i> , 2019, 99, .	1.1	3
10	Anyonic tight-binding models of parafermions and of fractionalized fermions. <i>Physical Review B</i> , 2019, 99, .	1.1	20
11	Fusion Channels of Non-Abelian Anyons from Angular-Momentum and Density-Profile Measurements. <i>Physical Review Letters</i> , 2019, 123, 266801.	2.9	19
12	Spin-gap spectroscopy in a bosonic flux ladder. <i>New Journal of Physics</i> , 2018, 20, 015004.	1.2	8
13	Nontopological parafermions in a one-dimensional fermionic model with even multiplet pairing. <i>Physical Review B</i> , 2018, 98, .	1.1	24
14	Braiding Majorana zero modes using quantum dots. <i>Physical Review B</i> , 2018, 98, .	1.1	28
15	Energy transport in an integrable parafermionic chain via generalized hydrodynamics. <i>Physical Review B</i> , 2018, 98, .	1.1	41
16	Topological Fractional Pumping with Alkaline-Earth-Like Atoms in Synthetic Lattices. <i>Physical Review Letters</i> , 2017, 118, 230402.	2.9	63
17	Laughlin-like States in Bosonic and Fermionic Atomic Synthetic Ladders. <i>Physical Review X</i> , 2017, 7, .	2.8	66
18	Topological Phases of Parafermions: A Model with Exactly Solvable Ground States. <i>Physical Review Letters</i> , 2017, 118, 170402.	2.9	24

#	ARTICLE	IF	CITATIONS
19	Majorana Quasiparticles Protected by Z2 Angular Momentum Conservation. Physical Review Letters, 2017, 118, 200404.	2.9	20
20	Quantum simulation of the quantum Hall effect with synthetic dimensions. , 2017, , .		0
21	Cluster Mean-Field Approach to the Steady-State Phase Diagram of Dissipative Spin Systems. Physical Review X, 2016, 6, .	2.8	125
22	Destruction of string order after a quantum quench. Physical Review B, 2016, 94, .	1.1	16
23	Quantum memories with zero-energy Majorana modes and experimental constraints. Physical Review A, 2016, 93, .	1.0	10
24	Dissipative topological superconductors in number-conserving systems. Physical Review B, 2016, 93, .	1.1	37
25	Energy transport between two integrable spin chains. Physical Review B, 2016, 93, .	1.1	58
26	Synthetic gauge fields in synthetic dimensions: interactions and chiral edge modes. New Journal of Physics, 2016, 18, 035010.	1.2	49
27	Localized Majorana-Like Modes in a Number-Conserving Setting: An Exactly Solvable Model. Physical Review Letters, 2015, 115, 156402.	2.9	64
28	Methods for detecting charge fractionalization and winding numbers in an interacting fermionic ladder. New Journal of Physics, 2015, 17, 105001.	1.2	24
29	Detecting two-site spin-entanglement in many-body systems with local particle-number fluctuations. New Journal of Physics, 2015, 17, 013015.	1.2	19
30	Photon transport in a dissipative chain of nonlinear cavities. Physical Review A, 2015, 91, .	1.0	46
31	Perturbative approach to continuous-time quantum error correction. Physical Review A, 2015, 91, .	1.0	12
32	Magnetic crystals and helical liquids in alkaline-earth fermionic gases. Nature Communications, 2015, 6, 8134.	5.8	71
33	Energy transport in Heisenberg chains beyond the Luttinger liquid paradigm. Physical Review B, 2014, 90, .	1.1	57
34	The XYZ chain with Dzyaloshinskyâ€Moriya interactions: from spinâ€orbit-coupled lattice bosons to interacting Kitaev chains. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P09005.	0.9	31
35	Out-of-equilibrium dynamics and thermalization of string order. Physical Review B, 2014, 90, .	1.1	19
36	Single-site- and single-atom-resolved measurement of correlation functions. Applied Physics B: Lasers and Optics, 2013, 113, 27-39.	1.1	53

#	ARTICLE	IF	CITATIONS
37	An optical-lattice-based quantum simulator for relativistic field theories and topological insulators. <i>New Journal of Physics</i> , 2012, 14, 015007.	1.2	121
38	Observation of Correlated Particle-Hole Pairs and String Order in Low-Dimensional Mott Insulators. <i>Science</i> , 2011, 334, 200-203.	6.0	246
39	Wilson Fermions and Axion Electrodynamics in Optical Lattices. <i>Physical Review Letters</i> , 2010, 105, 190404.	2.9	134