

Enrique Rico Ortega

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9295205/enrique-rico-ortega-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

4,486
citations

22
h-index

40
g-index

40
ext. papers

5,395
ext. citations

5.4
avg, IF

5.53
L-index

#	Paper	IF	Citations
38	Entanglement in quantum critical phenomena. <i>Physical Review Letters</i> , 2003 , 90, 227902	7.4	1841
37	Ground state entanglement in quantum spin chains. <i>Quantum Information and Computation</i> , 2004 , 4, 48-92	0.9	357
36	Topology by dissipation in atomic quantum wires. <i>Nature Physics</i> , 2011 , 7, 971-977	16.2	287
35	Ultrastrong coupling regimes of light-matter interaction. <i>Reviews of Modern Physics</i> , 2019 , 91,	40.5	282
34	Atomic quantum simulation of dynamical gauge fields coupled to fermionic matter: from string breaking to evolution after a quench. <i>Physical Review Letters</i> , 2012 , 109, 175302	7.4	179
33	Atomic quantum simulation of U(N) and SU(N) non-Abelian lattice gauge theories. <i>Physical Review Letters</i> , 2013 , 110, 125303	7.4	159
32	Topology by dissipation. <i>New Journal of Physics</i> , 2013 , 15, 085001	2.9	142
31	Renormalization-group transformations on quantum states. <i>Physical Review Letters</i> , 2005 , 94, 140601	7.4	135
30	Entanglement entropy in the Lipkin-Meshkov-Glick model. <i>Physical Review A</i> , 2005 , 71,	2.6	129
29	Tensor Networks for Lattice Gauge Theories and Atomic Quantum Simulation. <i>Physical Review Letters</i> , 2014 , 112,	7.4	88
28	Simulating lattice gauge theories within quantum technologies. <i>European Physical Journal D</i> , 2020 , 74, 1	1.3	84
27	Fine-grained entanglement loss along renormalization-group flows. <i>Physical Review A</i> , 2005 , 71,	2.6	80
26	Superconducting circuits for quantum simulation of dynamical gauge fields. <i>Physical Review Letters</i> , 2013 , 111, 110504	7.4	75
25	Real-Time Dynamics in U(1) Lattice Gauge Theories with Tensor Networks. <i>Physical Review X</i> , 2016 , 6,	9.1	71
24	Two-dimensional lattice gauge theories with superconducting quantum circuits. <i>Annals of Physics</i> , 2014 , 351, 634-654	2.5	68
23	Two-photon quantum Rabi model with superconducting circuits. <i>Physical Review A</i> , 2018 , 97,	2.6	63
22	Non-Abelian SU(2) Lattice Gauge Theories in Superconducting Circuits. <i>Physical Review Letters</i> , 2015 , 115, 240502	7.4	55

21	Majorana modes in driven-dissipative atomic superfluids with a zero Chern number. <i>Physical Review Letters</i> , 2012 , 109, 130402	7.4	54
20	Effective three-body interactions in triangular optical lattices. <i>Physical Review A</i> , 2004 , 70,	2.6	50
19	Lattice gauge tensor networks. <i>New Journal of Physics</i> , 2014 , 16, 103015	2.9	49
18	Entangling polaritons via dynamical Casimir effect in circuit quantum electrodynamics. <i>Physical Review B</i> , 2016 , 93,	3.3	35
17	Finite-density phase diagram of a(1+1)D non-abelian lattice gauge theory with tensor networks. <i>Quantum - the Open Journal for Quantum Science</i> , 1, 9		30
16	Entanglement of superconducting qubits via acceleration radiation. <i>Scientific Reports</i> , 2017 , 7, 657	4.9	21
15	Quantum Rabi model in the Brillouin zone with ultracold atoms. <i>Physical Review A</i> , 2017 , 95,	2.6	20
14	Unified superradiant phase transitions. <i>Physical Review A</i> , 2019 , 100,	2.6	20
13	Quantum networks in divergence-free circuit QED. <i>Quantum Science and Technology</i> , 2018 , 3, 024012	5.5	17
12	Loops and Strings in a Superconducting Lattice Gauge Simulator. <i>Physical Review Letters</i> , 2016 , 117, 240504	5.4	17
11	Quantum simulation of Abelian lattice gauge theories via state-dependent hopping. <i>Physical Review A</i> , 2017 , 96,	2.6	16
10	SO(3) Nuclear Physics with ultracold Gases. <i>Annals of Physics</i> , 2018 , 393, 466-483	2.5	15
9	Creating lattice gauge potentials in circuit QED: The bosonic Creutz ladder. <i>Physical Review A</i> , 2019 , 99,	2.6	14
8	Quantum information and triangular optical lattices. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2005 , 99, 339	0.7	10
7	Solitons in One-Dimensional Lattices with a Flat Band. <i>Annalen Der Physik</i> , 2017 , 529, 1600262	2.6	7
6	2D multipartite valence bond states in quantum anti-ferromagnets. <i>Annals of Physics</i> , 2008 , 323, 2115-2134	3.1	7
5	Quantum Simulation of the Bosonic Creutz Ladder with a Parametric Cavity. <i>Physical Review Letters</i> , 2021 , 127, 100503	7.4	5
4	Local renormalization method for random systems. <i>New Journal of Physics</i> , 2010 , 12, 025020	2.9	1

- 3 Valence-bond states: Link models. *Annals of Physics*, **2009**, 324, 1875-1896 2.5 1
- 2 Chiral states and nonreciprocal phases in a Josephson junction ring. *Physical Review B*, **2021**, 103, 3.3 1
- 1 Loop-free tensor networks for high-energy physics.. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2022**, 380, 20210065 3 1