

Enrique Rico Ortega

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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	Loop-free tensor networks for high-energy physics.. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022 , 380, 20210065	3	1
37	Chiral states and nonreciprocal phases in a Josephson junction ring. <i>Physical Review B</i> , 2021 , 103,	3.3	1
36	Quantum Simulation of the Bosonic Creutz Ladder with a Parametric Cavity. <i>Physical Review Letters</i> , 2021 , 127, 100503	7.4	5
35	Simulating lattice gauge theories within quantum technologies. <i>European Physical Journal D</i> , 2020 , 74, 1	1.3	84
34	Ultrastrong coupling regimes of light-matter interaction. <i>Reviews of Modern Physics</i> , 2019 , 91,	40.5	282
33	Creating lattice gauge potentials in circuit QED: The bosonic Creutz ladder. <i>Physical Review A</i> , 2019 , 99,	2.6	14
32	Unified superradiant phase transitions. <i>Physical Review A</i> , 2019 , 100,	2.6	20
31	SO(3) Nuclear Physics with ultracold Gases. <i>Annals of Physics</i> , 2018 , 393, 466-483	2.5	15
30	Two-photon quantum Rabi model with superconducting circuits. <i>Physical Review A</i> , 2018 , 97,	2.6	63
29	Quantum networks in divergence-free circuit QED. <i>Quantum Science and Technology</i> , 2018 , 3, 024012	5.5	17
28	Solitons in One-Dimensional Lattices with a Flat Band. <i>Annalen Der Physik</i> , 2017 , 529, 1600262	2.6	7
27	Entanglement of superconducting qubits via acceleration radiation. <i>Scientific Reports</i> , 2017 , 7, 657	4.9	21
26	Quantum simulation of Abelian lattice gauge theories via state-dependent hopping. <i>Physical Review A</i> , 2017 , 96,	2.6	16
25	Quantum Rabi model in the Brillouin zone with ultracold atoms. <i>Physical Review A</i> , 2017 , 95,	2.6	20
24	Entangling polaritons via dynamical Casimir effect in circuit quantum electrodynamics. <i>Physical Review B</i> , 2016 , 93,	3.3	35
23	Real-Time Dynamics in U(1) Lattice Gauge Theories with Tensor Networks. <i>Physical Review X</i> , 2016 , 6,	9.1	71
22	Loops and Strings in a Superconducting Lattice Gauge Simulator. <i>Physical Review Letters</i> , 2016 , 117, 240504	5.04	17

21	Non-Abelian SU(2) Lattice Gauge Theories in Superconducting Circuits. <i>Physical Review Letters</i> , 2015 , 115, 240502	7.4	55
20	Two-dimensional lattice gauge theories with superconducting quantum circuits. <i>Annals of Physics</i> , 2014 , 351, 634-654	2.5	68
19	Tensor Networks for Lattice Gauge Theories and Atomic Quantum Simulation. <i>Physical Review Letters</i> , 2014 , 112,	7.4	88
18	Lattice gauge tensor networks. <i>New Journal of Physics</i> , 2014 , 16, 103015	2.9	49
17	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
16	Topology by dissipation. <i>New Journal of Physics</i> , 2013 , 15, 085001	2.9	142
15	Superconducting circuits for quantum simulation of dynamical gauge fields. <i>Physical Review Letters</i> , 2013 , 111, 110504	7.4	75
14	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
13	Majorana modes in driven-dissipative atomic superfluids with a zero Chern number. <i>Physical Review Letters</i> , 2012 , 109, 130402	7.4	54
12	Topology by dissipation in atomic quantum wires. <i>Nature Physics</i> , 2011 , 7, 971-977	16.2	287
11	Local renormalization method for random systems. <i>New Journal of Physics</i> , 2010 , 12, 025020	2.9	1
10	Valence-bond states: Link models. <i>Annals of Physics</i> , 2009 , 324, 1875-1896	2.5	1
9	2D multipartite valence bond states in quantum anti-ferromagnets. <i>Annals of Physics</i> , 2008 , 323, 2115-2134	13.1	7
8	Entanglement entropy in the Lipkin-Meshkov-Glick model. <i>Physical Review A</i> , 2005 , 71,	2.6	129
7	Quantum information and triangular optical lattices. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2005 , 99, 339	0.7	10
6	Fine-grained entanglement loss along renormalization-group flows. <i>Physical Review A</i> , 2005 , 71,	2.6	80
5	Renormalization-group transformations on quantum states. <i>Physical Review Letters</i> , 2005 , 94, 140601	7.4	135
4	Effective three-body interactions in triangular optical lattices. <i>Physical Review A</i> , 2004 , 70,	2.6	50

3	Ground state entanglement in quantum spin chains. <i>Quantum Information and Computation</i> , 2004 , 4, 48-92	0.9	357
2	Entanglement in quantum critical phenomena. <i>Physical Review Letters</i> , 2003 , 90, 227902	7.4	1841
1	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